

# SELF STUDY REPORT

## For Institutional Re-accreditation [NAAC - 3<sup>rd</sup> Cycle]



Submitted to  
**National Assessment and Accreditation Council,**  
Bangalore


Submitted by



Sevadal Shikshan Sanstha's  
**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher Learning & Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur - 440 024

**December 2015**

**Dr. Pravin Charde**  
M. Sc., Ph. D.  
**PRINCIPAL**



**SEVADAL MAHILA MAHAVIDYALAYA**  
NAAC Re-Accredited with 'A' Grade  
Place for Higher Learning & Research

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Ref. No. Smm/1092/15-16  
Date : 28/12/15

**To,**  
**Dr. Ganesh Hegde**  
Assistant Adviser,  
National Assessment & Accreditation Council,  
P. O. Box. No. 1075, Opp: NLSIU  
Nagabhavi, Bangalore - 5600072

**Subject: Intimation regarding uploading of SSR/RAR on website**

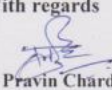
Dear Sir,


We hereby intimate that SSR/ RAR is uploaded on website as per following details.

S. N.	Particulars	
1.	Name of the Institution and Address	Sevadale Shikshan Sanstha's Sevadal Mahila Mahavidyalaya, Sakkardara Square, Umrer Road, Nagpur-440024 (M.S.)
2.	Head of Institute	Dr. Pravin N. Charde
3.	Contact Mobile No.:	09881891934
4.	Co-ordinator	Dr. Anil S. Mohite
5.	Contact Mobile No.:	09822469496
6.	Track Id of NAAC:	MHCOGN10716
7.	Accreditation Cycle	Cycle 3
8.	Web site:	<a href="http://www.sevadalmahilamahavidyalaya.org">www.sevadalmahilamahavidyalaya.org</a>
	Web-link showing SSR	<a href="http://www.sevadalmahilamahavidyalaya.org/naac/ssrs/3rdcycle.pdf">http://www.sevadalmahilamahavidyalaya.org/naac/ssrs/3rdcycle.pdf</a>
9.	a. Date of Uploading SSR/RAR :	28 <sup>th</sup> December, 2015
	b. Probable date of submission of SSR/RAR :	29 <sup>th</sup> January, 2016
10.	Institution has Uploaded the data of All India Survey of Higher Education (AISHE - MHRD) website: (Mandatory)	Annexure-XIII of SSR
11.	12 B UGC status and XII Plan General Development Grant copy submitted to NAAC:	Annexure-III of SSR Annexure-V of SSR
12.	Probable date of NAAC Peer Team Visit: (After 60 days of SSR Submission and before 180 days)	(i) 25, 26 and 27 <sup>th</sup> July, 2016 (ii) 28, 29 and 30 <sup>th</sup> July, 2016 (iii) 01, 02 and 03 <sup>rd</sup> August, 2016
13.	Nearest Airport for the Peer team to arrive:	Dr. Babasaheb Ambedkar International Airport, Nagpur
	and distance (and time taken) from the Airport to the College/place of stay	12 Kilometre (30 minutes)

I look forward to hear from you on your decision for Peer Team visit to our college.

Thanking you.

With regards  
  
(Prof. Pravin Charde)  
Principal  
Sevadale Mahila Mahavidyalaya, Nagpur



E-mail: [smm\\_college@yahoo.co.in](mailto:smm_college@yahoo.co.in), [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com) Website: <http://www.sevadalmahilamahavidyalaya.org>

**TRACK ID No: MHCOGN10716**  
**SEVADAL SHIKSHAN SANSTHA'S**  
**SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR**

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Sevadal Shikshan Sanstha's  
**SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR**  
NAAC - 3<sup>rd</sup> Cycle

**Steering Committee**

Dr. Pravin Charde	- Chairman
Dr. Anil Mohite	- Co-ordinator, Steering Committee & IQAC
Dr. (Mrs.) Anjali Mahakalkar	- Member
Dr. (Mrs.) Nirupama Dhoble	- Member
Mr. Pravin Deshpande	- Member
Mr. Girish Kawale	- Member
Dr. Ashish Lambat	- Member

**NAAC Criteria Co-ordinators**

Dr. (Mrs.) Manjusha Patil	- Criterion - I
Dr. Sanjay Pal	- Criterion - II
Dr. (Mrs.) Nirupama Dhoble	- Criterion - III
Dr. Rajesh Gadewar	- Criterion - IV
Mrs. Seema Nimbarte	- Criterion - V
Mr. Raghoba Nagpure	- Criterion - VI
Dr. (Mrs.) Priya Chahande	- Criterion - VII

## PREFACE

Sevadal Shikshan Sanstha, Nagpur (M.S.) was founded by great patriot Late Shri Sulemankha Pathan Guruji in 1958 with handful of administrative staff to start with but plentiful of well-wishers keen to see bright future for the society. Sevadal Mahila Mahavidyalaya, Nagpur was established in 1992 under the former Presidentship of Shri Kesharaoji Shende for the noble mission of imparting knowledge to girls. The institution has keeping steady progress under present Presidentship of Shri Sanjayji Shende. The management has been keen and meticulous not only creating infrastructural facilities but also in expanding the academic activities of the institution to a great extent in the field of Science, Home Science and Social Science.

Sevadal College was assessed and accredited by National Assessment and Accreditation Council (NAAC), Bangalore and awarded Grade B<sup>++</sup> on **8<sup>th</sup> January, 2004**. The Internal Quality Assurance Cell (IQAC) was established on the recommendations of the Peer Team for enhancing the quality of academics in the college. On **27-29 August, 2010**, the college was assessed and reaccredited for its second cycle by NAAC, Bangalore. NAAC awarded 'A' Grade to the college with **3.01 CGPA** on **8<sup>th</sup> January, 2011**.

The college offers basic programmes with wide academic flexibility. The college has been recognized as Centre for Higher Learning and Research in Microbiology, Chemistry, Environmental Science, and Zoology by Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur. All the programmes are directed towards realization of our Mission and achieving our objectives, in keeping with the values of **Sevadal Shikshan Sanstha**, as propounded by its founders. The Peer Team Reports of first and second cycles allowed the college to introspect and improve on quality parameters. A more functional IQAC with defined roles and responsibilities was a major initiative taken by the college. More teachers were involved in preparing the SSR along with the IQAC. Introspections and discussions amongst teachers have helped in preparing a precise Self Study Report (SSR). Resource mobilization from UGC under college development and research grants has taken up as a major strategy to improve the infrastructure, augment library facility, teaching-learning facilities, introduction of PG diploma courses and Career Oriented Programmes and construction of girl's hostel. A language laboratory has been set up for enhancing communication skills and is being utilized by department of English. IT infrastructure is being continually improved with LCD projectors in class rooms, Internet connectivity in the library and departments.

### Writing Self Study Report (SSR)

I express my deep sense of gratitude to the Founder President of Sevalal Shikshan Sanstha Shri Kesharaoji Shende who always been a source of inspiration for all of us. I am also thankful to president of Sevalal Shikshan Sanstha Shri Sanjayji Shende of his undaunted support in all the endeavors of the college.

I take this opportunity to express my sincere thanks to each and every individual colleague for their valuable contribution in preparing the SSR. It is unfeasible to complete this SSR without receiving whole-hearted cooperation and fruitful interaction with all the members of the Sevalal family. The first name comes to mind is Dr. Anil Mohite, NAAC Steering Committee and IQAC Coordinator who monitored the various requirements during the preparation of SSR, through his able leadership in the college. I would like to acknowledge the tireless efforts of the NAAC Criterion Coordinators, namely, Dr. (Mrs.) Manjusha Patil, Dr. Sanjay Pal, Dr. (Mrs.) Nirupama Dhoble, Mrs. Seema Nimbarte, Dr. Rajesh Gadewar, Mr. Raghoba Nagpure and Dr. (Mrs.) Priya Chahande. I further endorse the valuable support that has been rendered from Faculty In-charge, Steering Committee Members, Head of the Departments and faculty members specifically, Dr. (Mrs.) Anjali Mahakalkar, Mr. Pravin Deshpande, Dr. Vinod Dongre, Dr. Sopandeo Pise and Dr. Ashish Lambat. Mr. Dilip Koche, office superintendent and other office staff have responded well in providing the data to steering committee. Last but not least without the support from computer operator Mr. Shailesh Bhure it would not have been possible to complete this gigantic task.

I am too keen to meet the Peer Team of the National Assessment and Accreditation Council during their forthcoming visit to our institution. When such a splendid occasion arrives, all faculty members, support staff, student and all stakeholders would be substantially benefited and vastly enriched with Peer Team Interactions.

I wish *all is well* with this Self-Study Report and look forward to receive the Peer Team at our Institution.

Place : Nagpur

Date : 28.12.2015

**(Prof. Pravin Charde)**  
Principal  
Sevalal Mahila Mahavidyalaya,  
Nagpur



## EXECUTIVE SUMMARY

Sevadal Mahila Mahavidyalaya though establish just over a two decades has succeeded in carving a niche for itself in the field of education and has earned the trust and confidence of the society mainly because of its quality and value based education. The primary goal of institution is to provide the standard education in the field of Science, Home Science and Social Science to women and to bring them the higher level for facing modern science age and to develop scientific and rational attitude.

The institute is located in Nagpur city. The total students strength of the college in the year 2014-15 and 2015-16 was 896 and 1049, respectively. There are 10, 08 and 10 departments in Science, Home Science and Social Science, respectively. The unit cost of education is Rs.58,603/- including salary component and Rs.825/- excluding salary component.

### **Criterion-I: Curricular Aspect**

The college offers wide range of programme options to the students. Programmes are directed at realizing our mission and goals in keeping with the values propounded by the Founders of Sevadal Shikshan Sanstha, regarding the girl's education. The college is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. The curriculum, admissions and evaluation process are followed as per the norms and rules as prescribed by the Government of Maharashtra and Rashtrasant Tukadoji Maharaj Nagpur University. For upgradation of syllabi, the college has no autonomy to make any changes. However, some of the teachers are the Chairperson/Members of Board of Studies and Members of Sub-Committees in their respective subjects who represent the institution and participate in curriculum design at the University level.

The existing curriculum for each subject is revised and updated by the concerned Board of Studies at the University as and when required. Annual system is followed in the UG Home Science and Social Science programmes, while Semester system is followed in UG and PG Science programmes. Responding to the changing needs and demands, the college offers programmes such as Biochemistry, Biotechnology, Computer Science, Environmental Science and Microbiology.

The programme option includes 23 UG courses (12 aided and 11 self financing); 03 PG courses (self financing) and 04 Ph.D. programmes (self financing). The institution also conducts 04 Certificate courses and 01 P.G. Diploma Course supported by UGC.

There are 12 subjects for 9 subject combinations at B.Sc.-I Year Semester-I and II. Medium of instruction is English. There are 12 subjects in the Social Science faculty, student has to select any 03 subjects besides compulsory language subjects i.e. English and Marathi at B.A.-I, II and III. Medium of instructions is Marathi to cater the regional needs. Home Science faculty has predominant 08 subjects and the medium of instructions is English,



Marathi and Hindi. The eligibility criteria fixed for UG and PG courses is as per the University norms. During the last five years, after the NAAC 2<sup>nd</sup> Cycle the institution has introduced 02 more Ph.D. programmes in Chemistry and Microbiology. The curriculum is implemented in a systematic manner with allocation of papers/units to faculty members, preparation of faculty wise time table, submission of teaching plan and maintenance of teaching record in the Teacher's Diary.

### **Criterion-II: Teaching-Learning and Evaluation**

The admissions to various programmes are made in accordance with procedure prescribed by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and Government of Maharashtra. Due publicity of the admission programme is made by advertisement in local newspaper, by displaying detailed notification on college notice boards as well as college website ([www.sevadalmahilamahavidyalaya.org](http://www.sevadalmahilamahavidyalaya.org)).

All the necessary information regarding range of courses, eligibility, fee structure, etc. is made available to the students from the prospectus and information leaflet. For general UG and PG courses the admission is based on merit at the qualifying examination. Access to students from disadvantaged community is ensured through total implementation of reservation policy as per the order of Government of Maharashtra. Government scholarship/freeship is provided to the students from economically weaker sections.

Subject teachers and each faculty enlighten the students with the basic knowledge of the subject. The information regarding importance of subject, examination and evaluation process, etc. is given to the students at first year in order to generate interest and bridge the awareness gap of the incoming students. The slow learners are given remedial classes and there is a provision to provide them reading material, model question papers, question banks, etc. Advanced learners are given assignments and encourage to learn more on their own through library. Mentor Ward system has been started from 2008-09.

The college follows an Academic Calendar which has the internal mid-term and preliminary examination schedule, vacations and dates of important curricular and extra-curricular activities of the college. Faculty members maintain a daily diary and attendance register. Lecture method (talk and chalk) is predominantly used in most of the subjects. However, teaching aids such as LCD charts and models are also used to further enhance the teaching process. Science and Home Science students have study tours, visits, practical session, seminars, project work, group discussion, use of internet, etc. are the part of UG and PG curricula. Students participation in various activities like intra and inter-collegiate seminars, quiz, essay writing, debate competitions are encouraged.

The institution at present has 44 permanent and 30 contributory teaching staff. There is altogether 24 non-teaching staff. The recruitment of teachers is strictly as per the rules laid down by the State Government and University. 90 percent teaching position are field of which 28 (68%) are Ph.D.,

04 (9%) are M.Phil. and 10 (23%) are NET/SET qualified, 53 percent are lady teachers. Most of the faculty members have completed Refresher/Orientation programme, 25 percent of the faculty are invited as a resource person for different academic programme. To keep abreast of new development in the respective areas of specialization, the teachers are encouraged to participate in the conferences/seminars/workshops and to attend refresher/orientation/training courses. During last five years, institutional teachers have attended 62 such professional development programmes. Organization of Guest Lectures of expert faculties from other academic and research institutes to share their experience and expertise with teachers and students of the college.

**Criterion-III: Research, Consultancy and Extension:**

The college has set a benchmark in the field of research in Science as it has 04 research centres and 12 faculty members as Research Guides. The Research Committee and IQAC facilitate and monitor the research activity. The institution has taken several steps to promote a research culture among the faculty, it includes enhancement of infrastructural facility, augmentation of the library and laboratories, sophisticated instrument facilities, subscription to research journals and provision of free internet facility, etc.

Till date 39, 14 and 01 research students have been admitted for the Ph.D. programmes in Zoology, Environmental Science and Microbiology respectively. 08 students have submitted their synopsis in the University for registration. Till date 24 and 05 Ph.D. students of the college have been awarded Ph.D. Degree in Zoology and Environmental Science. 09 students have submitted their Ph.D. thesis in the University for evaluation and 15 students are pursuing research work.

Over the past five years, 05 major research projects have been successfully completed with an outlay of Rs.31,65,461.00 and 01 major research project is ongoing with an outlay of Rs.9,82,800.00. Similarly, 22 minor research projects have been successfully completed or ongoing with an outlay of Rs.20,13,000.00.

Many faculty members of the college are regularly publishing research papers in Peer reviewed journals. In the last five years 644 research papers have been published in National/International journals and proceedings of the conferences. A total of 20 books have been authored by the teachers and 29 chapters have been contributed to books. Some of the faculty members are on Editorial Boards/Reviewers of Research Journal.

The college has organized 01 International conference and 02 National conferences. 03 other International conferences have also been jointly organized in association with other educational institutions. 02 UGC sponsored workshops on Human Rights and 05 departmental workshops are organized. Faculty members avail duty leave to participate in

conference/seminars/workshops/training camps. 02 faculty members availed two years leave for pursuing Ph.D. under FIP of UGC.

Collaborations with different National/International institutes/universities have been practically followed for the research activity. Linkages with 12 social organizations have helped to sensitize students towards their social responsibilities. The extension activities of the college are monitored by the Co-ordinators/Conveners of various co-curricular and extra-curricular committees and programme officers of NSS. AIDS awareness; Blood Donation Camp; Tree Plantation Camps; Health Awareness Lectures; Health Check-up Camps such as Eye Check-up and Bone Density Determination Camp; Wildlife Celebration Functions, organization of awareness rallies and organization of functions under Andhshraddha Nirmulan Samiti are a part of the NSS and other extension activities.

#### **Criterion-IV: Infrastructure and Learning Resources**

The institutional premise is spread over the land of 8296 sq.mt. The total built-up area of the institution is 4419.73 sq. mt. Provide adequate infrastructural facilities for academic, administrative and examination related activity. At present there are 14 classrooms and 20 laboratories. Independent, well equipped laboratories are provided for each UG and PG practical subjects. The institution also has spacious auditorium with seating capacity of 300, conference hall, central library, zoological museum, HOD and staff rooms, students' common room, central computer laboratory with internet connectivity.

The institution has central library and departmental libraries. Total area of the Central Library is 191.69 sq. mt. with seating capacity of 60 students. It is equipped with facilities like computer with net connectivity and reprography. There is a provision of bar coding of books, Online Public Access Catalogue, access to e-journals and online database and N-LIST INFLIBNET facility. The central library has a collection of 10,468 books and it subscribes 25 research journals. The library has initiated Best Library User Award to students in order to encourage the maximum utilization of the library resources.

The institution has adequate computer facility and other learning resources, which are extensively used for academic and administrative purpose. There are 78 desktop computers and 27 laptops in the institution. Most of the departments have been provided with computers. There are 02 central computing facility centres with 28 net connected computers.

The institutional building and other infrastructural faculties are maintained under the supervision of Seval Management. Sufficient funds allocated for maintenance of infrastructure. During last five years Rs.73,11,107.00 (including funding from UGC) has been spent on renovation of laboratories and washrooms, purchase of equipments, computers and furniture. Annual Maintenance Contract (AMC) for upgradation and maintenance of computers is signed with M/s. Datatech Systems, Nagpur.

Sports facilities are adequate. Nearly 3000 sq. mt. play ground is available for students so that they can play the games like kabaddi, kho-kho and volleyball. Provision of indoor games is also made for recreational purpose. The other facilities includes vehicle parking space, safe drinking water, canteen and gymnasium. There is a girl's hostel providing accommodation to 60 students. Hostel campus area is of 1488.83 sq. mt. and built-up area of the hostel is 598.28 sq. mt.

#### **Criterion V: Student Supports and Progression:**

The total number of students admitted in the institution during the academic year 2015-16 is 1049. Socio-economic profile of the admitted students is SC – 11.82%, ST – 4.2%, VJ/NT – 5.8%, OBC – 62.2% and SBC – 3.71%. The dropout rate is below 3%. Approximately 30% of progression of the students to higher studies and 25% for employment have been observed.

Financial support is available to the students in the form of Government scholarship to SC/ST/VJ/NT/OBC students. In addition the management provides financial assistance to the needy and deserving students in the form of concessions. During the year 2013-14, 430 students have received Rs.13,64,555.00 as scholarship from Social Welfare Department of State Government and 15 students have availed freeship amounting Rs.76,367.00

The students support services in the institution includes Grievance Redressal Cell, Students Counseling and Career Guidance, Placement Cell. The faculty members are also involved in providing academic and personal counseling in each department. Free coaching for NET/SET was given under XIth plan of UGC for students belonging to SC/ST/OBC and Minorities.

The institution has committee for prevention of sexual harassment at workplace. The institution has Alumni Association and Parent-Teacher Association. The associations hold at least two meetings in a year and participate in arranging various functions. Alumni are young and therefore prominent positions have not been occupied by them.

Adequate Cultural and Sport facilities are available for the students. The students participated in various intercollegiate and University level sports activity. Endowment prizes are given to the students who excel in academic and sports. College has organized seven days training camps for University Kabaddi team and made lodging and boarding arrangement of all the participants. Institute organizes many co-curricular and extra-curricular activities. College magazine 'Sewavratee' is published every year.

#### **Criterion VI: Organization and Management**

The institution has clearly stated vision and goals of making the institution as a centre of learning by imparting quality and holistic education. College is managed and administered by Sevalal Shikshan Sanstha through its President, Local Managing Committee and Principal. The Principal is academic head of the institution and Chairperson of all the college constituted

non-statutory committees. The LMC along with IQAC monitors and evaluates all the mechanisms of academic and administrative processes.

The institution has decentralized organizational structure to coordinate the academic and administrative function. Staff Council and various others college constituted committees are for internal monitoring and coordination. Developmental activities, perspective plan and its execution are discussed in IQAC and LMC meetings. During last five years many plans proposals are initiated and implemented.

Teachers are recruited as per the Maharashtra Government and University Rules for its grant-in-aid courses. The college follows the API score based on PBAS guidelines developed by UGC for performance assessment of the teaching staff. The non-teaching staff members are given in-house training in the use of IT in office administration. Some welfare measures for staff are employee's credit co-operative society, salary credit, reimbursement of medical expenditure, etc.

The self-financing courses constitute the major source of the income of institution. The institution could mobilize over Rs.2 Crores from UGC under various heads. The college prescribes the fees for aided courses as per the directives of State Government and University. For the self-finance courses, fees are as per the directives of University.

#### **Criterion VII: Innovations and Best Practices**

The institution has developed Quality Assurance Mechanism within the existing academic and administrative system through various committees, cells and associations. The effective functioning of IQAC has created a quality consciousness among the institutional committee. IQAC analyzes the feedback received from the students, teachers and parents in order to plan and implement quality initiatives.

Academic benchmark institution has created in introducing wide range of subject options, teaching-learning process, quality of teachers, affordable fee structure, quality of research, etc. The college has consistently good performance of students in University Examinations. It organizes programmes to promote value education, social service, scientific temper and national integration. The college has taken special efforts to install environmental awareness among students through many activities and best practices.

**SWOC ANALYSIS:**

**STRENGTHS:**

- Qualified, competent and permanent faculty.
- Safe and secure environment for girls' education.
- Good infrastructure, well equipped laboratories for all the practical oriented subjects.
- Good research activities with increase in number of projects.
- University recognized Centre for Higher Learning and Research in four subjects.
- Good number of publications of research papers and books.
- Organization of conferences, seminars, workshops and guest lectures.
- Supportive management, effective PIME approach and teamwork.

**WEAKNESSES:**

- Average students seek admission.
- No space to expand infrastructural activity due to limit of FSI.
- Limited scope in curriculum design.
- Limited sports activities and outdoor game facilities in the college premises.
- Placement cell activities need to be strengthened.
- Young alumni, no prominent positions.

**OPPORTUNITIES:**

- Introduction of PG courses in Social Science faculty.
- Introduction of more PG Diploma and Certificate courses.
- Mobilization of more funds from UGC for developmental activities and research.
- Mobilization of funds from UGC for gymnasium and health centre.
- Establishment of IGNOU Women's Study Centre.
- To improve consistency services.

**CHALLENGES:**

- Decreasing student strengths for UG and PG courses may be due to mushrooming professional colleges in the area.
- Students inclination towards technical courses.
- Less employment and placement opportunities for the students from Basic Science and Social Science streams.
- Lack of quality students.
- No qualified, permanent staff for self-financed courses.
- Decreased participation of students of Science faculty in co-curricular and extra-curricular activities due to introduction of Semester pattern.

■■■

**A: PROFILE OF THE AFFILIATED/CONSTITUENT COLLEGE**

## 1. Name and Address of the College :

Name:	<b>Sevadal Shikshan Sanstha's Sevadal Mahila Mahavidyalaya, Nagpur</b>	
Address:	<b>Sakkardara Square, Umrer Road, Om Nagar</b>	
City: <b>Nagpur</b>	Pin: <b>440024</b>	State : <b>Maharashtra</b>
Website:	<b>www.sevadalmahilamahavidyalaya.org</b>	

## 2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	<b>Dr. Pravin Charde</b>	(O) 0712-2705037 (R) 0712-2712108	98818 91934	0712-2705037	sevad_college@yahoo.co.in sevamahilamv@gmail.com
Steering Committee Co-ordinator	<b>Dr. Anil Mohite</b>	(O) 0712-2705037 (R) 0712-2742582	98224 69496	-	anil.mohite64@gmail.com

## 3. Status of the Institution:

Affiliated College

☒

Constituent College

☐

Any other (specify)

☐

## 4. Type of Institution:

a. By Gender

i. For Men

☐

ii. For Women

☒

iii. Co-education

☐

b. By Shift

i. Regular

☒

ii. Day

☐

iii. Evening

☐

## 5. It is a recognized minority institution?

Yes

☐

No

☒



6. Sources of funding

Government

☐

Grant-in-aid

✓

Self-financing

✓

Any other

☐

7. a. Date of establishment of the college: **21/08/1992**

b. University to which the college is affiliated/ or which governs the college (If it is a constituent college)

**Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2(f)	08/09/2004	Vide UGC Letter No.F.8-23/98 (CPP-I) (Refer <b>Annexure No.-II</b> )
ii. 12(B)	07/03/2006	Vide UGC Letter No.F.8-88/2006 (CPP-I) (Refer <b>Annexure No.-III</b> )

d.Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.) : **Not Applicable**

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes

☒

No

☐

If yes, has the College applied for availing the autonomous status?

Yes

☐

No

☒

9. Is the college recognized

a. by UG Casa College with Potential for Excellence(CPE)?

Yes

No

☒

b. for its performance by any other governmental agency?

Yes

No

☒

10. Location of the campus and area in sq.mts:

Location*	<b>Urban</b>
Campus area in sq.mts.	9784.88 sq.mts. (College - 8296.05 sq.mt. + Girls Hostel - 1488.83 sq.mt.)
Built-up area in sq.mts.	5018.01 sq.mts. (College - 4419.73 sq.mt. + Girls Hostel - 598.28 sq.mt.)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or incase the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities ☒
- Sports facilities

- \* Play ground ☒
- \* Swimming pool ☐
- \* Gymnasium ☒

Hostel -

- \* Boys hostel
  - i. Number of hostels
  - ii. Number of inmates
  - iii. Facilities (mention available facilities)
- \* Girls hostel
  - i. Number of hostels
  - ii. Number of inmates
  - iii. Facilities (mention available facilities)  
(Mess, Television, Computer, Newspaper, Water Purifier, Volleyball Ground, Kabaddi Ground)
- \* Working women's hostel
  - i. Number of inmates
  - ii. Facilities (mention available facilities)

- Residential facilities for teaching and non-teaching staff (give numbers available—cadrewise) – Nil

- Cafeteria - Yes

- Health centre - No

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance - No  
Health centre staff—

Qualified doctor : Full time  Part time

Qualified nurse : Full time  Part time

- Facilities like banking, post office, book shops – No

- Transport facilities to cater to the needs of students and staff—

College provides transport facilities only for hostel inmates.

City bus service and other transport facilities are available near the college.

- Animal house – No
- Biological waste disposal – No
- Generator or other facility for management/regulation of electricity and voltage– Yes, 25 KVA
- Solid waste management facility Yes
- Waste water management – No
- Water harvesting– Yes, rain water harvesting system for new building

12. Details of programmes offered by the college (Give data for current academic year)

SI No.	Programme Level	Name of the Programme/ Course	Duration	Entry Quali- fication	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1	Under- Graduate	B.Sc. (Science)	3 years	H.Sc. (Science)	English	660	517
		B.Sc. (Home Science)	3 years	H.Sc. (Sci., Arts, Comm., MCVC)	English Marathi Hindi	360	195
		B.A. (Arts)	3 years	H.Sc. (Arts)	Marathi	600	265
2	Post- Graduate	M.Sc.	2 years	B.Sc. (Science)	English	152	63
3	Integrated Programmes PG	-	-	-	-	-	-
4	Ph.D.	Env. Science	2 + years	M.Sc.	English	-	
		Chemistry	2 + years	M.Sc.	English	-	
		Microbiology	2 + years	M.Sc.	English		
		Zoology	2 + years	M.Sc.	English		
5	PG Diploma	Ornithology	1 year	M.Sc.	English	10	09
6	Certificate Courses (Certificate, Diploma and Advanced Diploma)	Communicative English	3 months	B.A.	English	90	90
		DMLT	3 months	B.Sc.	English	90	90
		Textile and Clothing	3 months	B.Sc. (Home Science)	English Marathi Hindi	90	90
		Self funded computer course	3 months	B.A., B.Sc.	English Marathi Hindi	80	70

13. Does the college offer self-financed Programmes?

Yes ☒ No ☐

If yes, how many? **UG: 10, PG: 03, Ph.D. : 04**

14. New programmes introduced in the college during the last five years if any?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	<b>03</b>
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15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty Particulars	UG	PG	Research (Ph.D.)
Science UG - 10 PG - 03 Research (Ph.D.) - 04	Botany Chemistry Env. Science Biotechnology Biochemistry Mathematics Computer Science Physics Microbiology Zoology	Chemistry Env. Science Zoology	Chemistry Env. Science Microbiology Zoology
Home Science UG - 08	Biology Chemistry Family Resource Management Food and Nutrition Human Development Home Science Extension Education Physics Textile and Clothing		

Arts UG -	English English Literature Home Economics Political Science Sociology Marathi Marathi Literature Music Economics History Geography Psychology		
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16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

- a. annual system B.A., B.Sc. (Home Science), Ph.D. and P.G. Diploma
- b. semester system B.Sc. (Science) and M.Sc.
- c. credit based system -

17. Number of Programmes with

- a. Choice Based Credit System M.Sc.
- b. Inter/Multi-disciplinary Approach -
- c. Any other(specify and provide details) -

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes ☐ No ☒

19. Does the college offer UG or PG programme in Physical Education?

Yes ☐ No ☒

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff (Lab. Assistant)	
	Professor/Principal		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/ University/ State	-	-	04	04	17	19	19	02	03	-
Yet to recruit					06					
Sanctioned by the Management/ society or other authorized bodies	-	-	-	-	-	-	-	-	-	-
Recruited										
Yet to recruit										

\*M-Male \*F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor/Principal		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	-	-	04	04	07	13	28
M.Phil.	-	-	-	-	02	02	04
NET/SET	-	-	-	-	06	04	10
PG	-	-	-	-	02	-	02
<b>Temporary teachers</b>							
Ph.D.	-	-	-	-	-	02	02
M.Phil.	-	-	-	-	-	02	02
PG	-	-	-	-	09	02	11
<b>Contributory teachers</b>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

22. Number of Visiting Faculty/ Guest Faculty engaged with the College.

-

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	Year 1		Year 2		Year 3		Year 4	
	2012-13		2013-14		2014-15		2015-16	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	-	105	-	103	-	97	-	124
ST	-	28	-	34	-	42	-	44
OBC	-	471	-	536	-	556	-	642
General	-	124	-	131	-	113	-	139
Others (V.J./NT)		39	-	46	-	52	-	61
SBC	-	29	-	30		36		39
<b>Total</b>	-	796	-	880	-	896	-	1049

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same State where the college is located	977	72	-	-	1049
Students from other states of India	-	-	-	-	-
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
<b>Total</b>	<b>977</b>	<b>72</b>	<b>-</b>	<b>-</b>	<b>1049</b>

25. Drop out rate in UG and PG (average of the last two batches)

UG

2-3%

PG

0 %

26. Unit Cost of Education

*(Unit cost=total annual recurring expenditure (actual) divided by total number of students enrolled)*

**(a) Including the salary component**

**Rs. 58603.17**

**(b) Excluding the salary component**

**Rs. 824.92**

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes

☐

No

☒



28. Provide Teacher-student ratio for each of the programme/course offered –

Name of the Programme	Teacher: Student Ratio (Average)
B.Sc. (Science)	1:63
B.Sc. (Home Science)	1:16
B.A.	1:82
M.Sc.	1:7

29. Is the college applying for

Accreditation: Cycle 1 ☐ Cycle 2 ☐ Cycle 3 ☒ Cycle 4 ☐

Re-Assessment: ☐

30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only) – N.A

Cycle 1: **8/1/2004** Accreditation Outcome/Result **B<sup>++</sup> (Annexure-VI)**

Cycle 2: **7/1/2011** Accreditation Outcome/Result **A (Annexure-VI)**

Cycle 3: (dd/mm/yyyy) Accreditation Outcome/Result

***\*Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.***

31. Number of working days during the last academic year. **223**

32. Number of teaching days during the last academic year

*(Teaching days means days on which lectures were engaged excluding the examination days)*

**203**

33. Date of establishment of Internal Quality Assurance Cell (IQAC)  
IQAC – **01/07/2004**

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NACC

AQAR (i) 2010-11 submitted hard copy to NAAC on 14/10/2011

AQAR (ii) 2012-13 submitted online to NAAC on 13/09/2013

AQAR(iii) 2013-14 submitted through e-mail to NAAC on 26/09/2014

AQAR (iv) 2014-15 submitted through e-mail to NAAC on 29/06/2015

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information) -

...

## **B: CRITERIA-WISE ANALYTICAL REPORT**

### **CRITERION I: CURRICULAR ASPECTS**

#### **1.1 Curriculum Planning and Implementation**

##### **1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.**

###### **Vision:**

Our vision is that the women students through learners can contribute significantly towards national development, which shall finally lead towards the balance between body spirit, intellect and emotions.

###### **Mission:**

To serve selflessly towards the cause of human excellence especially in character building, personality development and empowerment of women through knowledge and higher education.

Sevadal Mahila Mahavidyalaya was established in the year 1992 for the noble mission of imparting knowledge to girls with the firm belief that education of women can change not only her life but also her family. The college mostly caters to higher educational needs of poor students of comparatively backward region of Nagpur. The college is slowly but surely succeeding in its mission of bringing these students at par with their counterparts.

The goals and objectives of Sevadal Mahila Mahavidyalaya are:

###### **Academic Goals:**

- 1) To work towards growth of institution into a centre of excellence.
- 2) To provide the standard education in the field of Science, Home Science and Arts to women.
- 3) To encourage students and teachers on the pursuit of knowledge and in setting high standards of academic achievement.
- 4) To bring women to the higher level for facing modern science age and develop scientific and rational attitude.
- 5) To develop free and fearless thinking subsequently which will lead to intellectual and moral maturity.

###### **Social Goals:**

- 1) To enable the women to come from the “stagnant pool of orthodoxy” into the clean stream of reason, perfection, tolerance and dynamism.
- 2) To make the students aware of environmental issues.
- 3) To empower the women students by helping them to become strong, self reliant, socially motivated, responsible, dedicated and better citizen of tomorrow.

Our vision, mission and objectives get communicated to students, teachers and other stakeholders through every programme of Sevadal Education Society. It is also communicated through prospectus of the College, Memorandum of Society, college website,

through meetings of Alumni Association and Parent-teacher Association. The vision, mission and objectives of the college are displayed at prominent location of the college campus.

**1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).**

College is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. College follows the University prescribed curriculum/syllabus. Syllabus is handed over to the respective Heads of the Department. The process of implementation of curriculum are as follows.

- Head of the Department call a meeting in each department at the beginning of academic year for course distribution. Syllabus is discussed with staff members and based on the expertise of individual teacher, the syllabus is allotted to them by Head of the Department.
- Time Table Committee prepares the time table of Science, Home Science and Arts faculties.
- Teachers are required to submit teaching plan based on the number of days required for teaching of the syllabus and also the number of days required for conduct of college preliminary examination.
- Every teacher maintains Attendance Register along with daily diary for keeping record of teaching and other activities. Teacher's attendance register and daily diaries are certified by the Head of the Department at the end of every month. Teachers are required to submit the diary to the IQAC at the time of checking of PBAS formats for API score. This helps the IQAC to monitor whether the teaching plans have been successfully implemented.
- Teacher submits monthly syllabus completion report to Head of the Department. In case of any backlog in curriculum, the syllabus is completed through extra classes.

**1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?**

- The Board of Studies of University designs the curricula for each subject. The Board is authorized to make additions/alterations in the syllabus according to the development that has taken place related to the subject.
- Board of Studies conducts workshops before and after syllabus revision to appraise teachers about the changes and to get their feedback for effective implementation of syllabus.

- Teachers are given considerable freedom by the college so far as the handling of the syllabus is concerned. Teachers devise their own methodology based on the needs of subjects and the learners. Traditional modes of teaching are blended with reasonable use of ICT to make the process learners centric.
- College provides modern technological devices such as OHP, LCD Projectors in the class room. The institution provides the necessary infrastructure, library resources and well equipped laboratories.
- College also encourages the teachers to apply new and modern methods of teaching like student seminars and workshops within the classroom. Faculty members are allowed to attend the Orientation, Refresher and other training courses.

**1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.**

- Some of the college teachers actively participate in framing the University curriculum in their capacity as Chairperson, Members or co-opted members of the Board of Studies of various subjects. Some of the teachers participate in workshops related to syllabus revision.
- The institution facilitated in every way to upgrade the infrastructure and procure resources for effective delivery of the curriculum.
- Department wise curriculum plan is prepared for annual/semester pattern examination. ICT based teaching along with the conventional chalk and board method, organization of guest lecture, workshops, seminars and educational visits.
- Remedial classes are arranged for weaker students. Preliminary examination is conducted as per the University examination pattern. University papers are made available to the students.
- The faculty update themselves by the way of attending orientation, refresher courses, conferences and by using e-resources as well as latest books.

**1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?**

- A student Guidance and Counseling Cell is established at our college for providing career counseling and placement opportunities for students. Guidance and Counseling services are part of broader delivery system designed to enhance the success of all learners. The counselor provide education, guidance and counseling to the students

in the institute through activities such as conducting Guest Lectures of experts, team teaching through workshops and individual counseling. Extension lectures of experts organized since last five years are –

- 1) Mrs. Malini Malvendra on “Personality Development” dated 8<sup>th</sup> September, 2011.
  - 2) Ms. Shiny Chib on “Communication Skills, Methods of Group Discussion” dated 11<sup>th</sup> January, 2012.
  - 3) Dr. (Mrs.) Thakare on “Body Fitness for Girls” dated 14<sup>th</sup> August, 2012
  - 4) Dr. (Ms.) Puvra Bhadre on “Menstrual cycle and Physiological Disturbances” dated 14<sup>th</sup> August, 2012
  - 5) Mr. Sanjay Nathe on “How to prepare for Competitive Examinations” dated 1<sup>st</sup> October, 2013
  - 6) Mr. Rahul Harde on “Preparation for Interview” dated 17<sup>th</sup> January, 2014
  - 7) Dr. Sanjay Raghatate on “Future Challenges for Students” dated 25<sup>th</sup> January, 2014
  - 8) Dr. Rajeev Mohota on “Today’s Youth and their Emotional and Psychological Relations with their Parents” dated 30<sup>th</sup> December, 2014.
  - 9) Mr. Rahul Harde on “Positive Methods of Facing Interview” dated 10<sup>th</sup> January, 2015
  - 10) Dr. (Mrs.) Sapna Sharma on “Positive Mental Health” dated 13<sup>th</sup> January, 2015
  - 11) Dr. Dilip Katdare and Mr. Milind Deshpande on “Various fields related to Science Faculty” dated January, 2015
- Scholars, scientists and experts in different subjects too have provided valuable inputs on the current scenario of scientific development.
  - Industrial visits are arranged in order to provide exposure to students. Departmental visits to research institutes, research laboratories are arranged as a part of curriculum which helps the students to gain practical knowledge.
  - College has research associations and collaborations with University teaching departments, research institutes and departments of other colleges.
  - The social outreach programmes of the college provide scope for students to participate in issues of social relevance. This has made the curriculum experiential and learning process more meaningful.

**1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.)**

- Around 13 teachers from college are the members of Board of Studies/their sub-committees, and have played a leading role in restructuring of UG and PG curricula for various subjects of RTM Nagpur University, Nagpur.
- Feedback on the present syllabus has been taken from the students and inputs have been analyzed. Some of the inputs provided by the students have been passed on the respective Board of Studies.

Following teachers of this college represented in Board of Studies.

Contribution of faculty members in design of University curriculum during last five years

Name of Board	Name of the Teacher	Details of Contribution in curriculum design
Botany	Dr. (Smt.) S. G. Desai	Member of Board of Studies in Botany, RTM Nagpur University, Nagpur from 2011 to 2013
Env. Science	Dr. P. U. Meshram	1) Chairman of Board of Studies in Environmental Science, RTM Nagpur University, Nagpur from 2011 to 2015 2) Member, Ad-hoc Board of Studies in Environmental Science, Swami Ramanand Tirth Marathwada University, Nanded. 3) Member, Board of Studies in Environmental Science at Kuvempu University, Shimoga, Karanataka.
Zoology	Dr. A. S. Mohite	Member, Syllabus Framing Committee for UG RTM Nagpur University, Nagpur
Music	Dr. (Smt.) S. S. Mandavgade	Chairperson, Board of Studies in Music, RTM Nagpur University, Nagpur from 2011 to 2015
Extension Education (Home Science)	Dr. (Mrs.) A. S. Dhoble	Chairperson, Board of Studies in Home Science Extension Education, RTM Nagpur University, Nagpur from 2011 to 2015
Extension Education (Home Science)	Dr. A. S. Mohite	Faculty Member, Board of Studies in Home Science Extension Education, RTM Nagpur University, Nagpur from 2011 to 2015
Textile and	Dr. (Mrs.) N. A.	Member, Syllabus Framing Committee in

Clothing (Home Science)	Tiwade	Fashion Designing, Gondwana University, Gadchiroli for 2012-13 and 2013-14.
Food and Nutrition (Home Science)	Dr. (Mrs.) M.M. Joharapurkar	1) Member, Syllabus Framing Committee in Food and Nutrition, RTM. Nagpur University, Nagpur in the meeting held on 29 <sup>th</sup> June, 2015 2) Member, Syllabus Framing Committee in Food and Nutrition, Gondwana University, Gadchiroli in the meeting held on 20 <sup>th</sup> August, 2014
Human Development (Home Science)	Mrs. A. R. Ratkanthiwar	Member, Syllabus Framing Committee in Human Development, Gondwana University, Gadchiroli in the meeting held on 20 <sup>th</sup> August, 2014
Nutritional Biochemistry	Mrs. J. S. Ramteke	Member, Syllabus Framing Committee in Nutritional Biochemistry, Gondwana University, Gadchiroli in the meeting held on 20 <sup>th</sup> August, 2014
Applied Biology	Dr. R. D. Gade war	Member, Syllabus Framing Committee in Applied Biology, Gondwana University, Gadchiroli in the meeting held on 20 <sup>th</sup> August, 2014

**1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.**

Yes, the institution has developed curriculum for PG Diploma Courses and Career Oriented Programme sanctioned by the University Grants Commission.

S.N.	Name of The Programme
1	PG Diploma in Environmental Biotechnology (Two Years Course)
2	PG Diploma in Omithology (One Year Course)
3	Certificate, Diploma and Advanced Diploma Course in Water Conservation and Management
4	Certificate, Diploma and Advanced Diploma Course in Textile Designing
5	Certificate, Diploma and Advanced Diploma Course in Medical Laboratory Technology
6	Certificate, Diploma and Advanced Diploma Course in Communicative English
7	Self Funded Course on Basic Computer Training: English, Computer Speed Test (30 w.p.m.)



- Need assessment is done on the basis of feedback from students. It is analyzed before the choice of programme considering the job opportunities to girl students.
- Curriculum is designed by the Committee constituted by the college, if required help from external expert is also taken. Syllabus Framing Committee is approved by the RTM Nagpur University, Nagpur.
- Needs of girl students are given priority at the time of designing the curriculum. The focus is given on the contents and duration of the programme. Examination and assessment is done by respective departments for Certificate Course.

**1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?**

- As the institution provides education to all sections of society including needy, weak and under privileged, it believes that the objectives of the curriculum are more or less achieved. Specific learning objectives are spelt out along with the syllabus for each subject by the respective Board of Studies.
- The college does not have a clearly defined mechanism to assess whether these objectives have been achieved. Informally the college obtains information from the students for ensuring that the desired standards are fulfilled.
- Student's performance is analyzed through internal assessment and result analysis of University examination.
- The college also obtains information about the progression of students passed out of this college through Alumni Association.

**1.2 Academic Flexibility**

**1.2.1 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.**

- Taking into consideration the needs of stakeholders, the college has taken some of the steps to ensure skill and interdisciplinary approach in the academic programme. The programme focuses on skill development over the regular academic programme and employability of our students.
- Faculty members have framed the curriculum of two PG Diploma courses and five Career Oriented Programmes.

S. N.	Name of the Programme	Duration	Aims and Objectives
1	PG Diploma in Environmental Biotechnology	Two Years Course	<ul style="list-style-type: none"> <li>• Extending graduate knowledge over a range relevant to Biotechnological management of different types of industrial waste.</li> <li>• To understand and evaluate legislative, administrative and economic procedure involved in management of industrial wastes and control of environmental pollution.</li> </ul>
2	PG Diploma in Ornithology	One Year Course	<ul style="list-style-type: none"> <li>• To provide practical oriented knowledge of Ornithology.</li> <li>• To create awareness about birds biodiversity.</li> </ul>
3	Certificate, Diploma and Advanced Diploma Course in Water Conservation and Management	Six Weeks, Ten Weeks, Twelve Weeks respectively	<ul style="list-style-type: none"> <li>• To provide practical oriented knowledge of water conservation.</li> <li>• Development of skill regarding the rain water harvesting.</li> </ul>
4	Certificate, Diploma and Advanced Diploma Course in Textile Designing	Six months/ Twelve months/ twelve months respectively	<ul style="list-style-type: none"> <li>• To provide self-employment to girl students.</li> <li>• To provide practical oriented knowledge and to teach the methods of dress designing, dying and printing.</li> </ul>
5	Certificate, Diploma and Advanced Diploma Course in Medical Laboratory Technology	Three months each	<ul style="list-style-type: none"> <li>• To train the students to work in pathology laboratory.</li> <li>• Enabling them to assist doctor to detect and diagnose through biochemical testing.</li> </ul>
6	Certificate, Diploma and Advanced Diploma Course in Communicative English	Three months each	<ul style="list-style-type: none"> <li>• To develop proficiency in English and to make them capable to stand in competitive world.</li> </ul>
7	Self Funded Course on Basic Computer Training: English, Computer Speed Test (30 w.p.m.)	Three Weeks	<ul style="list-style-type: none"> <li>• Through ICT basic training make them capable to stand in competitive world</li> </ul>

**1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.**

No, the college does not offer programmes that facilitated twinning/dual degree.

**1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond: Range of Core / Elective options offered by the University and those opted by the college, Choice Based Credit System and range of subject options, Courses offered in modular form, Credit transfer and accumulation facility, Lateral and vertical mobility within and across programmes and courses, Enrichment courses**

- The curriculum is designed by the University with inherent flexibility. The college offers this curriculum to students in a manner that provides varied options to choose as per their interest, aptitude and scope at first year for Science and Social Science students.
- As regards the UG courses, the students who have passed 10+2 Science stream have the freedom to choose Science, Home Science or Arts faculty.
- The college offers UG courses with elective options in Arts faculty of which a student has to choose three. In case of UG Science, there are two groups, Life Science Group with elective option – Chemistry/Microbiology/Botany/Environmental Science/Zoology/Biotechnology/Biochemistry and Mathematics Group with elective options–Chemistry/Mathematics/Physics/Computer Science.
- At UG Level College offers twelve programmes in Science, twelve programmes in Arts and Home Science faculties is the predetermined eight subjects.
- At PG Level, three programmes are available in Science, two PG Diploma and four Career Oriented Programmes.
- College also offers Ph.D. Programme in Zoology, Environmental Science, Chemistry and Microbiology.
- Choice Based Credit System has been recently introduced at PG Science.
- No provision for courses offered in modular form and credit transfer and accumulative facility.
- Lateral and vertical mobility within and across programmes and courses is as per University norms.

Range of core/elective options opted and offered by the college are as under:

Programme	Faculty & Level of study	Core subject/ Group Options	Programme system Semester/ CBCS/ Annual
UG	B.Sc. Science	Compulsory: 1) English for B.Sc. Semester-I and II only 2) Marathi/Hindi/Supplementary English (any one of this) for B.Sc. Semester-I and II only Combinations: any one Chemistry/Microbiology/Zoology Chemistry/Microbiology/Botany Chemistry/Environmental Science/Zoology Chemistry/Environmental Science/Botany Chemistry/Botany/Zoology Chemistry/Microbiology/Biotechnology Chemistry/Microbiology/Biochemistry Chemistry/Zoology/Biotechnology Chemistry/Mathematics/Physics Chemistry/Physics/Computer Science	Semester
PG	M.Sc. Science	1) Chemistry 2) Environmental Science 3) Zoology	Choice Based Credit System (CBCS)/ Semester
PG Diploma	Science	1) PG Diploma in Environmental Biotechnology 2) PG Diploma in Ornithology	Annual
Career Oriented Certificate	Science	1) Certificate, Diploma and Advanced Diploma Course in Water Conservation and Management 2) Certificate, Diploma and Advanced Diploma Course in Medical Laboratory Technology 3) Self Funded Course on Basic Computer Training: English, Computer Speed Test (30 w.p.m.)	Course duration is six weeks to three months
Re-search	Ph.D. Science	1) Chemistry 2) Microbiology 3) Environmental Science 4) Zoology	Annual

UG	B.Sc. (Home Science)	<b>B.Sc.-I (Home Science)</b> 1) Fundamentals of Food Science and Nutrition 2) Fundamentals of Textile and Clothing 3) Fundamentals of Home Science Extension 4) Fundamentals of Human Development 5) Fundamentals of Resource Management 6) Ecology and Environment 7) Basic Chemistry 8) Applied Physics 9) English and Communication Skills <b>B.Sc.-II (Home Science)</b> 1) Family and Community Nutrition 2) Early Childhood Education and Adolescent Development 3) Textile Designing and Printing 4) Interior Design and Decoration 5) Community Development and Management 6) Applied Physiology 7) Applied Chemistry 8) Applied Physics and Computer Application <b>B.Sc.-III (Home Science)</b> 1) Diet Therapy 2) Family Dynamics and Counseling 3) Advanced Pattern of Fashion Designing 4) Resource Management 5) Extension Training Management 6) Community Health and Family Welfare 7) Nutritional Biochemistry	Annual
Career Oriented Certificate	Home Science	Certificate, Diploma and Advanced Diploma Course in Textile Designing	Six Months/ One Year/ One Year
UG	Arts, B.A	Compulsory Subjects 1) English 2) Marathi Students have to select any three subjects from following combinations. 1) Home Economics and Music 2) Political Science and Economics 3) Sociology and History 4) Geography and Psychology 5) English Literature and Marathi Literature	Annual
Career Oriented Certificate	Arts	Certificate, Diploma and Advanced Diploma Course in Communicative English	Three months

**1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.**

Yes, the institution offers self-financed programmes listed below.

Programme	Faculty & Level of study	Subjects
UG	B.Sc.(Science)	1) Chemistry 2) Biotechnology 3) Biochemistry 4) Computer Science 5) Physics 6) Mathematics 7) Marathi 8) English
PG	M.Sc. (Science)	1) Chemistry 2) Environmental Science 3) Zoology
Career Oriented	Science	Self Funded Course on Basic Computer Training: English, Computer Speed Test (30 w.p.m.)
Research	Ph.D. (Science)	1) Chemistry 2) Microbiology 3) Environmental Science 4) Zoology
UG	B.A. (Arts)	1) English Literature 2) Economics 3) Geography 4) History 5) Psychology

- Curriculums of these programmes are designed by the University.
- Admission criteria are the same as that of grant-in-aid courses. All the rules regarding admission prescribed by the University and State Government norms are followed.
- Fee structure for all self-financed courses is prescribed by the RTM Nagpur University, Nagpur and approved by Government of Maharashtra.
- The Management appoints teachers as per the University norms for these courses on ad-hoc or clock hour basis.

**1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.**

The college provides additional skill oriented programmes such as Certificate/Diploma and Advanced Diploma Courses in Water Conservation Management, Medical Laboratory Technology, Textile Designing, Communicative English and Basic Computer Training.

**1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice? If ‘yes’, how does the institution take advantage of such provision for the benefit of students?**

No, the affiliating University does not provide flexibility for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students. The college has submitted proposal to IGNOU for obtaining Study Centre so as to offer the facility of distance mode of education.

**1.3 Curriculum Enrichment**

**1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?**

The college makes consistent efforts to supplement the University curriculum by organizing various activities, which focus on integrating academic and general development of students.

- The college offers need based and job oriented add-on courses such as Water Conservation Management, Medical Laboratory Technology, Textile Designing, Communicative English and Basic Computer Training.
- The students are encouraged to participate in various awareness programmes and social as well as national programmes.
- Cultural and co-curricular activities are organized by the college. Students are also motivated to participate in the programmes/competitions organized by the other colleges.
- Departmental workshops, organization of subject wise Guest Lectures, educational visits, students seminars, etc. have been integral part of teaching-learning process.
- Organization of Guest Lectures of renowned scientists on advancement in Science subjects.
- Keeping the laboratories of Science and Home Science subjects always open for the students.



**1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?**

- The college enriches the curricular activities by organizing the workshops. The institution organizes various workshops and activities related to curriculum to enhance the experience of the students so as to cope with their needs such as self-employment. The Department of Textile and Clothing, Home Economics and Food and Nutrition has organized various activities such as –

S.N.	Date	Workshop / Activities
1	14.12.2010	Workshop on “Sketching of Fashion Figure” by Mrs. Abhiruchi Ingole
2	25.09.2012	Workshop on “Designing and Making Fashion Accessories” by Dr. (Mrs.) Rajashree Bapat
3	10.01.2014	Guest Lecture on “Fiber to Fabric” by Mr. Mohan Gokhale
4	11.01.2014	Guest Lecture on “Application of Computer in Fashion Designing” by Mrs. Vaishali Lande
5	26.12.2014	Guest Lecture on “Spectrums of Textile Industry” by Shrikant Gadge
6	14.01.2015	Guest Lecture on “Knitting” by Mrs. Archana Lande
7	10.01.2015	Workshop on “Draping” by Dr. Mrs. Sayali Pande
8	Workshops on “Food Preservation and Making of Food Recipes” were organized on dated 06.12.2010 to 10.12.2010, 30.01.2012 to 03.02.2012, 04.02.2013 to 08.02.2013 and 05.01.2015 to 09.01.2015	

- Suggestions received from the students are communicated to University so that the Members of Board of Studies of concerned subjects with a view to modify and enrich the curriculum.

**1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?**

- Being a women college, there is no issue of gender discrimination. The institution puts in sincere efforts to integrate the other issues related to female gender, environmental awareness, human rights and ICT through various activities.
- College organizes various gender related programmes for the benefit of girls students such as medical check-up camp, Guest Lectures of medical practitioners on adolescent and health related issues.
- “Gender Sensitization” workshop was organized. Mrs. Maitreyi Kale renowned social worker conducted the workshop for students. Guest Lecture on “Awareness for Prevention of Female Foeticide and Women Empowerment” were also organized.

- UGC Sponsored three days female related gender inter-collegiate workshop on “Tarunyabhan” was organized for the girls students.
- Department of Political Science has organized UGC sponsored Inter-collegiate seven days workshop on “Human Rights Awareness” from 18<sup>th</sup>-24<sup>th</sup> December, 2010.
- College has Nature Club and Science Association. Various activities such as wildlife week celebration, environment awareness rallies, environmental days celebration like world environment day, ozone day, forestry day, etc.
- Department of Environmental Science has organized various Guest Lectures on environmental issues such as –
  - 1) Dr. Kaustubh Chatterjee on “Ozone Layer – The Earth’s Protective Umbrella” dated 16<sup>th</sup> September, 2013.
  - 2) Dr. Dilip Yardi on “Role of Wildlife in Environmental Protection” dated 28<sup>th</sup> December, 2013.
  - 3) Dr. D. G. Battalwar on “Air Quality Monitoring and Management” dated 7<sup>th</sup> March 2014.
  - 4) Dr. Prashant Ranjankar on “Application of Remote Sensing and GIS Technology in the Field of Environmental Science” dated 2<sup>nd</sup> April, 2014.
  - 5) Dr. Marissa R. Jablonski on “Recent Advancement and Opportunities in Environmental Science” dated 19<sup>th</sup> April, 2014.
  - 6) Mr. Sanjay Karkare on “Conservation and Protection of Wildlife” dated 8<sup>th</sup> October, 2014.
  - 7) Dr. P. R. Choudhary on “Environmental Impact Assessment” dated 3<sup>rd</sup> March, 2015.
  - 8) Dr. S. K. Goyal on “Understanding Environmental Impact Assessment for Better Tomorrow dated 4<sup>th</sup> April, 2015
  - 9) Dr. J. S. Pande “Ozone Layer– Protective Umbrella” dated 16<sup>th</sup> September, 2015.
- College has organized International conferences on Environmental Issues like Biodiversity and Impact of Climate Change.
- Environment education has made compulsory by the RTM Nagpur University, Nagpur to under-graduate students of all the faculties.
- College has organizes various programmes such as tree plantation, campus cleaning, installation of bird’s nests, etc.
- ICT enabled classrooms for effective teaching and learning process, Wi-Fi internet facility for staff and students and availability of e-books and e-journals.

**1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students? moral and ethical values, employable and life skills, better career options, community orientation**

Teaches from the college has played a key role in the restructuring of the curricula of various subjects at undergraduate level. Latest developments in respective subjects and the employment generation potential of the courses were considered while designing the curricula. College has introduced the courses like Biotechnology, Computer Science, Environmental Science and various Career Oriented Programmes to enhance the employability of students.

In order to inculcate the moral and ethical values among the students the college celebrates Independence Day, Teachers Day, Gandhi Jayanti, Republic Day, Pathan Guruiji Smruti Din, Andhshraddha Nimrulan Din, Wildlife Week and Dr. Babasaheb Ambedkar Jayanti. A talk of eminent speaker is organized on these days.

Social Sciences curricula have issues like regionalism, casteism, communalism and socio-economic development related issues these topics helps the students to develop and understanding towards these important national issues. Environmental ethics has been inculcated as a part of compulsory Environmental Science course in order to sensitize students towards social as well as environmental issues.

College has introduced some of the skill/career oriented programmes and has also organized various career counseling related programmes such as

- 1) Guest Lecture by D. M. Goswamy, Deputy Director, Employment Cell, Government of Maharashtra dated 8<sup>th</sup> February, 2011.
- 2) Programme on “Self Employment and Business”. Dr. Shiny Chib has enlightened the students on topic “Group Discussion and Interview” on dated 11<sup>th</sup> January, 2012.
- 3) Guest Lecture of Mrs. Malini Malvendra on “Personality Development” dated 13<sup>th</sup> August, 2013.

So far as community/outreach programmes are concerned many programmes are organized by the college such as –

- 1) Awareness Rally on “Indian Constitution” dated 26<sup>th</sup> November, 2010.
- 2) Awareness Rally on “Global AIDS day” dated 1<sup>st</sup> October, 2010.
- 3) Blood Donation Camp dated 3<sup>rd</sup> October, 2011.
- 4) Awareness Rally on “Female Foeticide” dated 29<sup>th</sup> November, 2011.

- 5) Workshop on “Anti-corruption and Media” dated 22<sup>nd</sup> December, 2011.
- 6) Tree Plantation Programme dated 13<sup>th</sup> August, 2012.
- 7) Blood Donation Camp dated 8<sup>th</sup> October, 2012.
- 8) Cleanliness Drive dated 9<sup>th</sup>-15<sup>th</sup> August, 2013
- 9) Blood Donation Camp dated 3<sup>rd</sup> October, 2013
- 10) Blood Donation Camp dated 13<sup>th</sup> October, 2014
- 11) Andhshraddha Nirmulan Function on 14<sup>th</sup> November, 2013, 17<sup>th</sup> March, 2014, 8<sup>th</sup> January, 2015 and 23<sup>rd</sup> May, 2015.

**1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?**

Informal and formal feedback is obtained from the students and alumni on curriculum. Relevant information, if any is conveyed to the Board of Studies Members through staff of the college. For the undergraduate semester pattern Science subjects, suggestions like inclusion or deletion of some of the topics have been accepted in the designing of new curriculum.

**1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?**

Though there is no formal mechanism for monitoring and evaluating the quality of enrichment programme, the teachers obtained feedback from the participants both in formal and informal ways towards the end of each programme. This helps in future planning to get the best out of such programmes.

**1.4 Feedback System**

**1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?**

Many teachers of the college have participated in preparation of curriculum of affiliating University. Many teachers are Members of Board of Studies and on sub-committees where they have given their valuable inputs to restructuring of the curricula. Apart from this, some of the teachers have also given valuable inputs in restructuring of the curricula of other Universities. Some of the faculty members have participated in syllabus revision workshop organized by various colleges. List of teachers involved in curriculum restructuring/developing related activities is given in Question No.1.1.6

**1.4.2 Is there formal mechanism to obtain feedback from students and stakeholders on curriculum? If ‘Yes’, how it is communicated to the university and made use internally for curriculum enrichment and introducing changes/new programmes?**

Yes, there is a formal mechanism to obtain feedback/curriculum from different sources such as through feedback formats, through parent-teacher meet, alumni meet and academic peer visiting the college for practical examination or Ph.D. viva voce. The curriculum designing and restructuring is essentially the responsibility of University. The college, however, provides valuable inputs to the process by way of seeking feedback.

**1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)**

- College has introduced Ph.D. programme in Chemistry and Microbiology.
- Self financed skill oriented certificate course in Basic Computer Training: English, Computer Speed Test (30 w.p.m.)

Any other relevant information regarding curricular aspects which the college would like to include.

- University recognized Centre for “Higher Learning and Research” in Chemistry, Environmental Science, Microbiology and Zoology”.
- Well equipped laboratories and highly competent faculty members.

■■■

## **CRITERION II: TEACHING-LEARNING AND EVALUATION**

### **2.1 Student Enrollment and Profile**

#### **2.1.1 How does the college ensure publicity and transparency in the admission process?**

- The college publishes prospectus annually which provides adequate information regarding admission procedure, courses available, faculty members with their qualification, fee structure and other information relevant to student needs. The advertisement regarding admission is also published in regional news papers. Pamphlets and brochure are distributed in neighboring junior colleges.
- Detail information regarding admission for Undergraduate (UG), Postgraduate (PG), and Ph.D. programmes are displayed on the college website ([www.sevadalmahilamahavidyalaya.org](http://www.sevadalmahilamahavidyalaya.org)). The website provides all information pertaining to admission viz. eligibility criteria, admission procedure, fee structure reservation criteria, concession and scholarship, etc.
- Spot admissions are given to the students as and when there are vacant seats. Counseling was given to the students and parents regarding admission process and selection of subjects as per their choice by the Admission Committee. Online admission process is also followed.
- All the admission of Science (UG and PG), Home Science and Social Science faculties were carried out according to the directives of the Rashtrasant Tukadoji Maharaj (RTM) Nagpur University, Nagpur and State Government norms. Reservation criteria have been applied as per the directives of the RTM Nagpur University, Nagpur, Maharashtra State Government. Transparent admission process is maintained by the college. The programme of admission is displayed on the college notice board.

#### **2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.**

- The admission process for UG admissions begins immediately after the declaration of State Board results. College gets students from different backgrounds of the city and nearby villages. Criteria adopted for admitting students is as per the directives of RTM Nagpur university.
- The students are admitted to various courses on the basis of their academic performance and choice. There is a provision of spot admissions for those students who score 60% and above marks in

qualifying examination. Considering the interest of the students, college admission committee guides the students and parents regarding the available subject combination. Students are admitted after verification of original documents and payment of the fees for the entire session.

- Postgraduation admissions are conducted in the concerned departments as per the guidelines of University and reservation policies of State Government. The student who sought admissions for various UG courses are eligible to seek admission for career oriented courses.
- The students who have completed all the formalities are finally admitted and their list is displayed on the notice board. Change in the subject combination is allowed, subjected to availability of seats.

**2.1.2 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.**

The minimum and maximum percentage of marks at entry level in the courses offered by the college is given below. Similar trend of minimum and maximum percent of marks for admissions at entry level is also seen in other institutions affiliating to RTM Nagpur University.

Programme	2014-2015		2015-2016	
	Minimum	Maximum	Minimum	Maximum
B.Sc. Science	40.50%	70.00%	42.92%	83.6%
B.Sc. (Home Science)	45%	82%	45%	77%
B.A. (Arts)	40%	74.17	40%	73.28%
M.Sc. Chemistry	-	-	48%	73.83%
M.Sc. (Environment Science)	50%	78%	45%	52%
M.Sc. (Zoology)	-	-	50%	58%
P.G. Diploma	45%	67%	48%	62%

**2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?**

Yes, there is a mechanism to review the admission process and students profile annually. The college has an 'Admission Committee' constituted by the Principal. At the beginning of the academic session, the Principal holds a meeting with the members of admission committee. Proper proportions of group-wise admissions are maintained as per the requirement of the college. The norms of reservations are strictly followed.

When the admission process is completed the admission committee prepares a complete report which contains information regarding number of students admitted to individual programme. The students profile is prepared on the basis of data furnished in the admission form. Special efforts by the faculty members are given for the admission of Home Science and Social Science faculties.

**Outcome:** Due to the efforts taken by the faculty members the admission are increased in last few year leads to a good student demand ratio. It results in fair and transparent admission process and cut-off percentage at entry level is increased.

**2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion SC/ST, OBC, Women, differently abled, economically weaker section, minority community, any other.**

The college is committed to the National policy of diversity and inclusion of students from all strata of society. The reservation policy prescribed by the Government of Maharashtra with respect to SC/ST/OBC/VJNT/SBC students is followed. This institution by gender is only for women education at UG and PG level. Following table shows the percentage of SC/ST/OBC/VJNT/SBC students admitted during the last five years.

Category	2011-12		2012-13		2013-14		2014-15		2015-16	
	Admitted	%	Admitted	%	Admitted	%	Admitted	%	Admitted	%
SC	127	14.38	105	13.19	103	11.70	97	10.82	124	11.82
ST	26	2.94	28	3.51	34	3.86	42	4.68	44	4.2
NT/VJ	33	3.73	39	4.89	46	5.52	52	5.80	61	5.8
OBC	520	58.89	471	59.17	536	60.90	556	62.05	642	61.2
SBC	36	4.07	29	3.64	30	3.40	36	4.01	39	3.71
Open	129	14.60	124	15.57	131	14.88	113	12.61	139	13.25
Muslim	12	1.35								
Total	883		796		880		896		1049	

Any other:

- Government scholarship, fee concession and financial incentives are provided to students from economically weaker sections. Over the years a substantial percentage of students belonging to economically weaker sections are admitted in the college.
- Access to the students from minority community and differently abled students is ensured through total implementation of norms of Government of Maharashtra.
- Students with excellent sport activities, if applied are admitted preferentially.



**2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.**

Programme	Details	2012-13	2013-14	2014-15	2015-16
UG Science (Granted)	No. of application/Seats	120	120	120+30	120+30
	No. of students admitted	120	120	147	139
	Demand ratio	(1:1)	(1:1)	(1:1)	(1:1)
UG Science (Non-Granted)	No. of application/Seats	100	100	100	100
	No. of students admitted	37	98	47	106
	Demand ratio	(3:1)	(1:1)	(2:1)	(1:1)
UG Home Science	No. of application/Seats	120	120	120	120
	No. of students admitted	62	75	81	77
	Demand ratio	(2:1)	(2:1)	(2:1)	(2:1)
UG Arts (Granted)	No. of application/Seats	200	200	200	200
	No. of students admitted	102	67	129	135
	Demand ratio	(2:1)	(3:1)	(2:1)	(2:1)
PG Chemistry	No. of application/Seats	22	22	22	22
	No. of students admitted	15	16	00	22
	Demand ratio	(2:1)	(2:1)		(1:1)
PG Environment Science	No. of application/Seats	27	27	27	27
	No. of students admitted	05	06	04	14
	Demand ratio	(5:1)	(5:1)	(6:1)	(2:1)
PG Zoology	No. of application/Seats	27	27	27	27
	No. of students admitted	07	03	-	16
	Demand ratio	(4:1)	(9:1)		(2:1)

- From the session 2015-16, it has been observed that admissions in Science faculties are increased because the trend for opting Engineering and BCA courses has gone down.
- The details for various programmes offered by the college reveals that there is a constant average demand ratio for UG Science subjects having grants-in-aid. However, all other faculties and subject combination of non-granted Science have less demand ratio. The decrease in admissions to Home Science and Social Science faculties is due to the mushrooming of colleges in the University and having less placement opportunities.

## **2.2 Catering to Student Diversity**

### **2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?**

At present there are no students who are differently-abled. Those students who are coming to appear for University examination or other competitive examinations are provided special arrangements during examination. Such as sitting arrangement at ground floor, provision of writer if required, extra time half an hour as per the rule.

Physically disabled students are given all assistance as is required by them. Special instructions are given to the security guards and laboratory attendants to help them to reach respective class room or laboratory. Construction of ramp is under prime consideration of management. As per Government norms, institution has no provisions for visually challenged and hearing impaired students.

**2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.**

- At the time of admission, the college admission committee interacts with the students and their parents in order to determine the needs and liking of the students. Through one-to-one counseling, they are assisted in selecting appropriate subject combinations.
- Most of the students are from low socio-economic background and they lack communication skills. In the first year, teachers are instructed to take special efforts to find out the background of the subjects, the students have learned in Standard-XII. Revising the basics of the subjects helped in bridging the knowledge gap and brings weaker students on par with others. Teachers strive to explain the subjects in regional language for those students who lack communication skill in English so that they can understand the subject properly.
- Mentor and Tutor Ward System of the college give special attention to academically weak students.

**2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?**

- Teachers dedicate initial sessions towards assessing and bridging the knowledge gap of enrolled students. At the start of the academic session, faculty informs the students about the University syllabus (theory & practical) and examination pattern.
- Subject awareness test are conducted at the beginning of the academic session, this helps to identify weak/slow learner students. Special attentions are given to such students. Remedial coaching is given to slow learners and academically weak students.
- Guest lectures are arranged for students on communication skill, personality development, etc. Students are given exposure on importance on English language particularly for Social Science and Home Science students.
- Student's progress is monitored through mentoring system. Advance learners are given an opportunity to join the add-on/skilled development programme.

**2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment, etc.?**

The college sensitizes its staff and students on issue of gender inclusion, environment etc. through following activities.

- College organizes various programmes for the benefit of girl students like medical checkup camps, Guest Lectures/seminars/workshops by eminent medical practitioners on AIDS, adolescent, breast cancer and women empowerment to spread the health awareness among the students.
- College constituted “Nature club” and “Science Association”. Under this, various activities are organized like wild life week celebration, environmental awareness rally, environmental day celebration like World Environment Day, Ozone day, Forest day, Science day etc.
- Lectures are arranged on various current issues on environment by scientist from National Research Institute and Academic Institute.
- College has successfully completed UGC sponsored COP course on “Environment & Management”.
- College has Environmental science as one of the subject at UG & PG level in the faculty of Science. Its syllabus covers maximum issues pertaining to the environment. RTM Nagpur University has made Environmental Education is a compulsory subject to second year students of all the faculties to spread the awareness about the environment.
- College organizes various programmes such as tree plantation, campus cleaning under NSS activities.
- College is taking extra efforts to convert college campus into “Eco-friendly campus. Display boards regarding ‘Zero tolerance towards sexual harassment’ at prominent locations. The NSS unit of the college also organizes programmes on environmental awareness, tree plantation and save birds project.

**2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?**

The Institute identifies the advanced learners through following process.

- Merit list of the students admitted to each programme and through interaction with the faculty, students performance in unit test, mid-term examination and preliminary examination, active participations and attentive during lecture and practicals and willingness to learn extra theory and practicals after regular hours.

- Active participation in group discussion, workshop or seminars organized by the college or other nearby college.
- The students are encouraged to concern reference books and educational websites. Provision is made for extra reading materials and books. Advance learners are involved in intra and intercollegiate seminars, debates and other competitions. Assignments on preparation of charts, collection of data is given to advance learners.

Strategies adopted to respond to the requirement of advanced learners are as follows.

- Encourage them to participate in Seminar /Conference/Workshop organized by the department or college.
- Resource person from National Institutes and Academic Institutions are invited to deliver guest lectures on the advanced topics to give exposure to the students regarding current issues and technology.

**2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?**

- College obtained the data about performance of students in unit test, preliminary examinations, completion of assignment and regularity in attendance.
- College constituted the Attendance Committee, which collects the name of students having attendance less than 50% from Head of the department of respective subjects. Students with low attendance are identified and same is informed to their parents.
- The Head of various departments collects regular feedback from the faculty on the attendance, punctuality and reason for absent during regular classes as well as for internal examination to identify the students at a risk of drop-out.
- Mentor ward system helps the students to discuss the academic and personal issues with mentor freely. The mentor works as a friend, philosopher and guide.
- Remedial coaching classes are conducted by the college for slow learners.
- College provides financial assistance to economically weaker students.
- Financially weak students are allowed to pay the fees in 2-3 installments.

**2.3 Teaching-Learning Process****2.3.1 How does the college plan and organise the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)**

The college has put in place a system to effectively plan the teaching, learning and evaluation process. The focus of all the activities is the 'Learner'. Various strategies and mechanism for student centric learning are adopted by the teachers to cater the diverse needs of students in the classroom.

**Academic Calendar:**

The college prepares the academic calendar for UG and PG separately at the beginning of every semester/annual pattern and is displayed on the notice board. Academic calendar mentions the teaching days, schedule for conduct of mid-terms and preliminary examinations, assignment submission, declaration of results, winter and summer vacations and schedule for co-curricular and extra-curricular activities.

**Teaching Plan:**

- The Head of the respective departments convened meeting of faculty members to discuss the workload, syllabus distribution, time-table and co-curricular and extra-curricular activities of the department.
- For theory and practical proposed teaching plan is prepared by the concerned teachers at the beginning of the session. After approval by HOD/Principal, the same is informed to the students.
- Feed back is collected from the students and is analyzed to orient the teaching in such a way that average student attains the outcomes to an expected level.
- Every teacher is given a diary before the commencement of academic year. The diary is maintained by the teacher ensures compliance of the academic plan. These diaries are assessed by the HOD and Principal.

**Evaluation Blue Print (UG & PG):**

- The evaluation of answer-books is kept transparent. After every examinations viz. unit test, mid-terms and preliminary examination the answer books are given to the students and are counseled for their mistakes.
- Semester/Annual examinations are conducted by RTM Nagpur University Nagpur. Revaluation facility is available by RTM Nagpur University Nagpur if needed.
- The result is analyzed and discussed in the meeting of staff council. The suggestions are given to teacher by the Principal to take necessary steps to improve the results.

**2.3.2 How does IQAC contribute to improve the teaching-learning process?**

IQAC monitor the working of the college and also provides suggestion to improve the Teaching-learning process by following ways:

- Organizing workshops to enhance use of ICT facilities to improve the process of teaching and learning.
- Ensuring the availability of modern tools and equipments in the laboratories, LCD projectors in the classrooms, computer and internet facility to staff members.
- Monitoring academic and developmental activities through frequent meeting with IQAC and Head of the Departments.
- Student's performance is assessed by unit test, mid-term examination and assignments. IQAC monitors the process of teaching-learning and evaluation by conducting academic audit. It includes checking of daily diary, proposed teaching plan, syllabus completion report, attendance register, etc.
- The teachers are encouraged to attend Orientation and Refresher Courses, Conferences, Seminars and Workshops.

**2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?**

- The entire academic process i.e. proposed teaching plan, action on teaching plan and transparent assessment is designed to be student centric. Based on the syllabus to be taught in a particular class different teaching methods are adopted viz. chalk and talk, group discussion, practical demonstration, seminars, power point presentation, etc.
- Teaching methods are adopted as per the requirement of the prescribed curriculum. Interactive methods are used to discuss fundamental concept and students are encouraged to ask questions.
- Students are motivated to work on their own and prepare their study notes, charts, and make Power Point presentations. Related assignments are given to UG students.
- Choice Based Credit System method of evaluation for PG courses includes seminars, group discussion and dissertation work.
- Eminent academician, scientists and personalities are invited to deliver guest lectures and popular talks, workshops on career options and competitive examinations.
- The support structure available for teachers are: computers with internet facility in most of the departments, all class rooms and some

of the laboratories are equipped with LCD projector, well equipped laboratories and learning resources from library.

**2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?**

- The Annual Social Gathering, Teachers Day Function, sports events and various departmental functions provide a platform for students to bring out their leadership skills, creativity and other hidden talents.
- Students of Home Science organizes various skill developing activities and workshops such as fabric painting, making toys, artificial flowers, jute bags, mats and fancy cushions. Home Science students are taught event management and other skills like decoration, anchoring, hospitality, entertaining audience, etc.
- College encourages the students to participate in co-curricular activities organized in the college or any other institutions by participating in debate, quiz, poster competitions, science exhibitions etc.
- College inculcates universal values such as respect for different religions, devotees, human rights, justice and equality.
- College arranges the educational visits for student to renowned institutes like NEERI, CCMB, Hyderabad, Meteorological Centre, Waste Water Treatment Plants, Wildlife Sanctuaries, Botanical Garden and Industries.
- Every department organizes Guest Lectures of eminent scientists and academicians to create interest among students about the subject.

**2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.**

The college has added necessary hardware to equip classrooms and laboratories with ICT facilities. Desktop computers, laptops, LCD Projectors have been procured. Faculty members make use of ICT in teaching, e-learning sites, NPTEL resources. Educational CDs, e-books and e-journals are available in the library.

**2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

Many opportunities are created by the college to expose students and faculty to advance levels of knowledge and skills.

- The faculty has started exploring the use of ICT in teaching, computer assisted learning. Digital materials are made available to the students to supplement classroom teaching.
- The faculty members are encouraged to participate in National/International Conferences/Seminars/Workshops, training programmes and Refresher/Orientation programme to keep themselves abreast of the recent development in the respective areas of specialization.
- Organization of guest lectures of renowned personalities, scientists, consultant, medical practitioner are invited to the institute to deliver talk and interact with the students.
- College organizes National/International Conferences/Seminars and departmental workshops for the benefit of staff and students.
- Field visits and educational excursions: College organizes educational excursions and visits to various places like National laboratories, wildlife sanctuaries, industries and other places of academic interests every year.

**2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/ mentoring/ academic advise) provided to students?**

- Academic advice is provided at various stages right from the choice of subjects at the time of admission. Students are counseled by the members of Admission Committee. Academic and personal guidance is provided by the faculty members.
- A teacher mentor monitors academic performance and personal problems of the students. Mentor look after a group of students as a part of teacher mentor system. This system has been effectively working since 2005. Teacher mentor try to resolve students problems regarding study material and personal problems.
- Career Guidance Cell of the college provides guidance to the students regarding competitive examination like MPSC, Banking, Railways, Staff Selection, etc. Guest Lectures of the experts on career counseling, personality development, communicative and interview skills, etc. are frequently organized.



**2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?**

- Every department adopts innovative methods for teaching which helps the students to understand the subject thoroughly. Some innovative approach includes use of ICT, learn by doing in the laboratory activity, use of models and charts.
- Guest Lectures on the innovative topics and educational visits to research institutes. Exposure to field work through educational visits and excursion, social commitment through extension activities and organization of departmental workshops and seminars.
- Faculty members are encouraged to attend training courses, workshops on quality improvements, summer schools, training workshops on advanced molecular techniques, etc.
- Use of innovative teaching methods made teaching more interesting and it helps in better understanding the topic.

**2.3.9 How are library resources used to augment the teaching learning process?**

- The Central Library has 9831 textbooks, 374 reference books, 18 journals and 85 CDs. The Library Committee of the college looks after the purchase of books and journals every year. The Library Committee collects the requisition for the purchase of books from HODs.
- The college has provided personal ID to faculty members for accessing INFLIBNET/N-LIST site. The main library has 4 computers with internet facility specifically for the students. Seating capacity of the library is 60 students.
- Central Library is fully computerized and equipped with OPAC, LIBMAN software for smooth functioning of library.
- Apart from this, there are departmental libraries which contain textbooks, copies of the journals, project reports, Ph.D. thesis, M.Sc. dissertations, etc. University question papers, practical records and notes are also available for the students.

**2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.**

- The college does not face any challenges in completing the curriculum within the planned time frame and calendar. The curriculum is designed by Board of Studies of affiliating University. The curricula of

specific subject are in the form of units and specific numbers of lectures are assigned for a theory and practicals. In case, if classes are missed due to some unavoidable reasons, faculty engages extra classes on Sundays to compensate the loss. Teachers diary provides clear picture about number of classes taken, assignments given, and unit tests conducted, etc.

**2.3.11 How does the institute monitor and evaluate the quality of teaching learning?**

The college has well established monitoring mechanism to monitor the quality of teaching and learning. It is evaluated by the Faculty In-Charge and IQAC through –

- Academic audit of all teachers for every semesters/year by evaluating teacher's diary which provides the information regarding teaching plan and record of all academic as well as co-curricular activities of teachers. Teachers have to submit syllabus completion report to the Head of the Department.
- The college has a mechanism to obtain students feedback on quality of study material, teaching methodology and behaviour of the teacher, involvement and interest of the teacher in their subject.
- Teacher's evaluation is done through Self Appraisal Report (PBAS) submitted to IQAC at the end of every academic year.

**2.4 Teacher Quality**

**2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum**

- Teachers are recruited as per University and Maharashtra Government rules. The procedure for appointment of teachers is as given below.
  - 1) Subject wise workload is calculated on the basis of total number of students, number of vacancies if any. The subject wise requisition is submitted to the Joint Director, Higher Education, Nagpur for their approval.
  - 2) The University Special Cell's permission is sought to fill the post for specific category on the basis of backlog and roster. The sanctioned posts are advertised in National Dailies after clearance from concern offices.
  - 3) Get the Selection Committee approved from the University. Selection Committee selects the candidates in order of performance. The appointment order is given to the candidate selected by the Selection Committee. An approval is sought for appointed teachers from University.

- 4) For self-financed UG and PG courses institution appoints ad-hoc and contributory teachers as per the provisions of University Act.
- To meet the changing requirements of the curriculum, the policy of college includes -
  - 1) Provide conducive environment for professional growth of teachers.
  - 2) The college grant, study leave under Faculty Improvement Programme to perceive higher studies, college also grants duty leave to attend seminars/conferences/workshops/short term courses/orientation and refresher courses.
  - 3) Best Research Award is given to motivate the faculty members.
  - 4) The staff members are motivated to do research work by undertaking major and minor research projects for which laboratories and infrastructures are made available as per their requirement. The college has well qualified and competent teachers as under.

Highest Qualification	Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	
Permanent Teachers					
Ph.D.	04	04	07	13	28
M.Phil.	-	-	02	02	04
NET/SET	-	-	06	04	10
PG	-	-	02	-	02
Temporary Teachers	-	-	01	14	15
Ph.D.	-	-	-	02	02
M.Phil.	-	-	-	02	02
NET/SET	-	-	01	01	02
PG	-	-	08	01	09

**2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

College appoints the teachers through Selection Committee constituted as per the norms of University and State Government. The institution appoints temporary, ad-hoc and contributory teachers to teach non-granted courses like Biochemistry, Biotechnology, Computer Sciences, Mathematics and Physics. Subject experts from other institutions are invited to deliver Guest Lectures. The outcome of this exercise results into increasing admissions to non-grant courses.

### 2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

#### a) Nomination to staff development programmes

Participation of faculty members in training programmes since last five years is as under:

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	38
HRD programmes (Disaster Management)	04
Orientation programmes	03
Staff training conducted by the university (Ph.D. Interaction Programme)	01
Staff training conducted by other institutions	22
Summer / winter schools, workshops, etc.	04
<b>Total</b>	<b>72</b>

Name of staff	Name of training programme	Name of Institution	Duration
Dr. S. L.Pal Dr. (Mrs.) J. B. Tirpude Dr (Mrs.) P.P. Chahande Dr (Mrs.) B. S. Tapase Dr. (Smt.) S.S. Mandavgade	National Workshop on “Innovative practice for Quality Improvement”.	Institute of Science, Nagpur	15 <sup>th</sup> to 22 <sup>nd</sup> December, 2012
Dr. (Smt.) S.S. Mandavgade	Research Methodology for research in Commerce, Social Science, Arts & Business Study	Dhanwate National College, Nagpur	7 <sup>th</sup> to 14 <sup>th</sup> March, 2012
Dr. (Mrs.) A. S. Mahakalkar Dr. (Mrs.) S. V. Kulkarni Dr. (Mrs.) K. V. Dubey Dr. (Mrs.) S. D. Bhoyar Dr. M.M. Joharapurkar Dr. (Mrs.) H. A. Padole Dr. R. D. Gadewar Dr. A. P. Lambat Mr. R. R. Nagpure Dr. S. V. Pise Mr. G. S. Kawale Mr. J. K. Pendse Dr (Mrs) N.A. Tiwade	National Workshop on “Professional Competence in Higher Education”.	Dr. Ambedkar College, Nagpur	19 <sup>th</sup> to 25 <sup>th</sup> April, 2012
Dr. (Mrs.) S. V. Kulkarni	Training Workshop on “Advanced Molecular Techniques”.	Dept. of Botany P.G.T.D R.T.M. Nagpur University in collaboration with Ankur seeds Pvt. Ltd Nagpur	10 <sup>th</sup> to 17 <sup>th</sup> November, 2010

Dr. (Mrs.) M.M. Joharapurkar	International Workshop on “Awareness Programme for young women about their rights”.	Department of Home Eco. VNGIASS in collaboration with WILPF	22 <sup>nd</sup> to 28 <sup>th</sup> August, 2012
Dr (Mrs.) P. A. Chinchkhede	International Workshop on “Awareness Programme for young women about their rights”. International Workshop on “Scripting women: Exploring Gender Stereotypes”.	Department of Home Eco. VNGIASS in collaboration with WILPF LAD College Nagpur	22 <sup>nd</sup> to 28 <sup>th</sup> August, 2012 02 <sup>nd</sup> to 10 <sup>th</sup> September, 2013

**b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning, Teaching learning methods/approaches, Handling new curriculum, Content/knowledge management, Selection, development and use of enrichment materials, Assessment, Cross cutting issues, Audio Visual Aids/multimedia, OER's, Teaching learning material development, selection and use**

The college organized conferences, seminars and workshops are –

- Workshop on “Human Rights” dated 24-28<sup>th</sup> December, 2010.
- International Conference on “Global Change: Impact of Biodiversity, Culture and Technology”, dated 3-5<sup>th</sup> November, 2012, Nagpur
- International Conference on “Sustainable Biodiversity Conservation through Technological and Social Approaches” dated 23-25<sup>th</sup> May, 2014, Bangkok, Thailand.
- International Conference on “Conservation of Environment by Advanced Technologies through Social Approaches for Sustainable Development” dated 19-21<sup>st</sup> May, Kandy, Sri Lanka.
- National Conference on “Significance of Language and Social Science in the Age of Information Technologies” dated 4<sup>th</sup> September, 2015.
- National Conference on “Recent Trends in Life Sciences, Material Sciences and Home Sciences” dated 4<sup>th</sup> October, 2015.
- Workshop on “Human Rights Scheme: Promotion of Ethics and Human Values” dated 18-24<sup>th</sup> December, 2010.
- Yearly Workshop on “Preparation of Jam, Jelly, Pickles and Food Preservation”.
- Yearly workshop on “Molecular Biology and Biotechnology”
- Workshop on “Gender Sensitization”
- Workshop on “World Forestry Day”
- Workshop on “Use of ICT for Non-teaching Staff”

**c) Percentage of faculty invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies; participated in external Workshops/Seminars/Conferences recognized by National/International professional bodies; presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies.**

Number of faculty being invited as resource persons

Year	Name of Faculty	Details of Conference/Seminar/workshop and organizers
2011-12	Dr. A. S. Mohite	Resource Person: Guidelines and Preparation for NAAC, K.Z.S. Science College, Kalmeshwar.
2012-13	Dr. (Mrs.) K. V. Dubey	Resource person: 1) Refresher Course in Life Science, A.S.C., RTM Nagpur University Nagpur on dated 12/03/2013. 2) International Conference at NEERI, Nagpur on dated 28-30 March'2012 3) Chaired Technical Session of International Conference at Sardar Patel Institute of Technology Surat on dated 15 <sup>th</sup> to 17 <sup>th</sup> Dec'2011
2012-13	Dr. P. R.Bhandari	Resource person: Training course on Production & Quality control of organic & Biological Input as per FCO at Department of Agriculture Corporation, RCOF, Ministry of Agriculture, Govt. of India Civil Lines, Nagpur
2012-13	Dr. A. P. Lambat	Resource person: In the subject Environmental Science at Gurukul Kangri University, Uttarakhand on dated 13 <sup>th</sup> to 15 <sup>th</sup> 2011
2012-13	Dr. (Mrs.) N. S. Dhoble	Chaired Technical Session of International Conference Jinan, China on dated 13 <sup>th</sup> to 17 <sup>th</sup> May'2011
2014-15	Dr. P. U. Meshram	Resource person: 1) Refresher Course in Environmental Science, A.S.C., RTM Nagpur University Nagpur on dated 12 <sup>th</sup> October'2014. 2) Refresher Course in Environmental Science, A.S.C., Sant Gadgebaba Amravati University Amravati on dated 20 <sup>th</sup> March'2015 3) Conference on Science & Technology for Human Development organized by Indian Science Congress Association at Dr. B.A.M.U. Aurangabad on dated 30 <sup>th</sup> -31 <sup>st</sup> December, 2014
2014-15	Dr. A. P. Lambat	Resource person: Preparation of NAAC at Dr Arun Motghare Mahavidyalaya Konda Kosra, Bhandara on dated 07 <sup>th</sup> November, 2014
2014-15	Dr.(Mrs.) H. A. Padole	Resource person : Importance of Ayurveda, Dept. of Textile at S.S. Girls College, Gondia on Dated 21 <sup>st</sup> January'2015.

Year	Participation of Faculty Members in external Workshops/Seminars/ Conferences recognized by national/ international professional bodies	Paper presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies
2011-12	114	34
2012-13	192	193
2013-14	131	107
2014-15	130	86

**2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)**

- The college supports, encourages and insists the teachers to apply for minor and major research projects.
- The teachers are motivated to participate in Orientation and Refresher Courses as well as in research activities.
- College provides an opportunity to attend conferences/seminars/ workshops and also encourages to publish the research paper in National/International Journals.
- College sanctions duty leave to teachers to participate in training workshop organized for revision of curriculum and laboratory experimentation.
- Provide opportunity to teachers to learn ICT especially for teaching and learning process.

**2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/ achievement of the faculty.**

No faculty members have received awards/recognitions at the state National/International level for Excellency in teaching.

**2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?**

Yes, students evaluate the teachers by filling the feedback forms on teachers at the end of every academic session. Evaluation of teachers is done on knowledge, communication skill, presentation style, sincerity and commitment, regularity and punctuality, interest generated by the teacher, accessibility and availability and behavior.

IQAC committee under chairmanship of Hon'ble Principal analyzes the feedback form on teachers. After analysis, shortcomings are discussed with concerned teacher and suggestions are given to overcome the shortcoming.

**2.5 Evaluation Process and Reforms**

**2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?**

- The schedule for evaluation given in the academic calendar at the beginning of session which includes the information about college examination i.e. unit test, mid-term and preliminary examination.
- Students are also intimated about the portion of curriculum for the examination. Nature and format of questions papers and weightage of marks for the topics prescribed by the University.
- Students are provided with question bank, notes and books.
- The detailed schedule of internal and University examination for UG and PG is displayed on the notice board.
- Faculty members are permitted to attend the workshops on examination reforms, syllabus framing, etc.
- The valued answer books of test examination are given to the students by respective teachers.

**2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?**

- University has adopted semester pattern for UG from academic session 2013-14 in Science faculty.
- Choice Based Credit System for PG Courses in Science faculty.
- A scheme of marking is framed for theory and practical, internal assessment, projects. The University introduced a transparent system by providing photo copy of the valued answer-books.



- As per the directives of University, the college conducts the unit test, viva-voce, etc. for assessment and evaluation of the students.
- College Examination Committee prepares the examination calendar at the beginning of session.

**2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?**

- Rashtrasant Tukadoji Maharaj Nagpur University has introduced semester pattern for UG and Choice Based Credit System for PG in Science faculty from the academic session 2013-14. All the examination reforms framed by the University are strictly implemented by college viz. pattern of question papers, marking scheme, internal assessment, etc.
- University evaluation reforms are effectively implemented in the college examination which is unit test and preliminary examinations.
- Detailed schedule of internal examination at UG and PG is displayed on notice board in advance.
- Head of the Department call a meeting of the faculty members of respective departments, if any new evaluation method has to be used for internal assessment.

**2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.**

- As per University guidelines there are 10-20% marks are assigned for internal assessment for each paper of subject.
- Formative assessment is done on the basis of attendance during academic session, performance in unit tests, completion of assignments given, participation in co-curricular activities, group discussion, educational visits, seminars, etc.
- Unit tests and preliminary examinations as per the University pattern are conducted prior to University examination. Because of this practice, slow learners and advanced learners can identify and student's performance is improved.

**2.5.5 Detail on the significant improvements made in ensuring transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.**

- All assessment tools are rigorously deployed by the faculty members. Answer-sheets of test and preliminary examinations are shown to the students.
- In semester pattern weightage has been given to internal assessment. However, no weightage is assigned specifically to aspects of student development.
- The internal assessment proved to be beneficial in judging overall development of students. Communication skill of the students gets tested through written test as well as viva voce. Seminars, Power Point presentations, group discussion and projects allow scope for testing the capacity for independent learning. There is no provision for evaluating behaviour aspects through the evaluation mechanism at University or college level.

**2.5.6 What are the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?**

There are no specified graduate attribute. But the college always keeps keen mind towards certain desirable attribute while imparting teaching. At the end of the process, a student is expected to be equipped with excellence in academics, scientific temperament, social responsibilities and environment conscious. The college helps the students in attaining these attributes not only through teaching-learning process, but also through different co-curricular and extra-curricular activities.

**2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?**

**At College level:**

- The valued answer books of unit test, midterm examination & preliminary examination shown/distributed to the students.
- The correction/queries pointed by the students are sorted out by the concerned faculty members

**At University level:**

- Students having grievances regarding evaluation of answer books, they can opt for reassessment of answer books in the university.
- Photocopy of answer books are also available for the students on demand with payment of prescribed fees by the university

**2.6. Student performance and Learning Outcomes****2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?**

Yes, the college has clearly stated learning outcome through vision, mission and academic as well social goals of the college. The students are making aware of these learning outcomes in the first interaction with faculty members. Learning outcomes in terms of academic and social goals are clearly stated.

**2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.**

- The college conducts unit test and preliminary examination to monitor the progress of students. Doubts of the students are clarified and tips are given to them to improve the performance. Marks obtained in internal assessment are also displayed.
- A subject wise and paper wise result of University examinations are analyzed and discussed in Staff Council meeting. Programme wise details of pass percentage of the students is as under:

Programme	Result analysis	2011-12	2012-13	2013-14	2014-15
B.Sc.-III (Science)	Total Appeared	59	72	83	96
	Total Passed	40	34	39	29
	% pass	67.79%	47.22%	46.98%	30.20%
B.Sc.-III (Home Science)	Total Appeared	49	45	42	44
	Total Passed	31	18	33	30
	% pass	63.26%	40%	78.57%	68.18%
B.A.-III (Arts)	Total Appeared	77	52	89	43
	Total Passed	25	11	35	15
	% pass	32.46%	21.15%	39.32%	34.88%
M.Sc.-II (Chemistry)	Total Appeared	13	15	05	08
	Total Passed	06	12	01	02
	% pass	46.15%	80%	20%	25%
M.Sc.-II (Environmental Science)	Total Appeared	05	06	04	04
	Total Passed	05	06	04	04
	% pass	100%	100%	100%	100%
M.Sc.-II (Zoology)	Total Appeared	03	00	01	00
	Total Passed	01	-	01	-
	% pass	33.335	-	100%	-

- Gauri S. Deshpande B.Sc.-III (Home Science) was awarded the Smt.Umabai Marathe Memorial Award for securing the highest

percentage of marks in the subject Home Science (Food & Nutrition) at 99<sup>th</sup> Convocation held on 1<sup>st</sup> October, 2012.

**2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?**

- The teaching, learning and assessment strategies are effective communication, updating of knowledge, effective learning through understanding the subject, expression and writing skill and transparent assessment process.
- Teaching and learning process includes use of ICT, web sources, library resources, group discussions, field visits and students seminars.

**2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?**

- Students Counseling and Guidance Cell of the college guided the students on career options after their UG Course, job opportunities, other higher courses are available and preparation for competitive examinations.
- The eminent speakers are invited to address the students so as to inculcate positive thinking, environmental awareness, social and cultural values. There is participation of students in health, gender and environmental awareness related programmes.
- Home Science faculty organizes workshops on food preparation and preservation, fabric painting, making of fancy items. Organization of exhibition-cum-sale of decorative articles inculcates the spirit of entrepreneurship among the students.
- Research aptitude is developed among the students through projects, field visits and visits to research institutions and industries.

**2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?**

The college has the mechanism to analyze the short falls in achieving the expected learning outcome and suggest the improvement measures. Subject and paper wise analysis of University examination results shows the comparative performance of students in examination. These data helps in understanding the areas of academic weakness of students. Overall results analysis of the subject help in making efforts to make the teaching methods more learners oriented. Concern teacher

of the specific paper is asked to undertake remedial measures to improve the results.

**2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?**

Monitoring and ensuring the achievement of learning outcome is done by the undertaking the measures like effective implementation of the curriculum prescribed by RTM Nagpur University, preparation of academic calendar, teaching plan and academic audit of teachers is followed for monitoring the curriculum implementation and evaluation.

**2.6.7 Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.**

- Monitoring the student's progress is an integral part of the functioning of the college. UG students are continuously assessed on their assignments, regularity and punctuality, unit test and preliminary examination performance. For PG students, the Choice Based Credit System, a continuous assessment method is followed. Students are evaluated based on their seminar, group discussion, assignments and unit test.
- Subject wise and paper wise analysis of results helps in understanding academic shortfalls in a specific paper of any subject.
- The student with good academic performance is nominated as Class Representative in Students Council of the college. Incentive marks are awarded on the basis of performance in NSS, Cultural and Sports activities.

■■■

**CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION****3.1 Promotion of Research****3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?**

- Yes, the institution has recognized research centers of Higher Learning and Research in the subjects Environmental Science and Zoology since 2006. A Research Academy was established where research guidance is available from University recognized guides in different disciplines of various institutes.
- The Department of Chemistry and Microbiology have been recognized as centers of Higher Learning and Research during session 2014-2015.

**3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.**

Yes, the institution has a research committee to monitor and guide the issues of research. It comprises Chairman, Convener and two members. IQAC too plays important role in addressing the issues of research.

**Recommendations given by Research Committee and IQAC:**

- To acquire status of research centre for Chemistry and Microbiology Departments.
- To promote submission of minor/ major research projects.
- To encourage publication of research work in peer reviewed journals / journals with ISSN numbers.
- To author and publish books with ISBN numbers
- To grant study leave for Faculty Improvement Programme
- To permit duty leave for participation in Seminars/Conferences/ Workshop.
- To encourage and motivate teaching staff to pursue research leading to Ph.D. degree.
- To organize National and International Seminars/Conferences
- To organize Departmental Workshops

**Impact:**

- The Departments of Chemistry and Microbiology have been recognized as centre for Higher Learning and Research.

- 05 UGC sponsored Major Research Projects have been completed and one is ongoing.
- 22 UGC sponsored Minor Research Projects have been completed, one is ongoing and 06 are recently sanctioned.
- 14 faculty members have been awarded Ph.D. degree since last five years by RTM Nagpur University, Nagpur.
- 02 faculty members have completed their Ph. D. programme under UGC Faculty Improvement Programme.
- 29 registered research students of Sevadal Research Academy have been awarded Ph. D. degree; 11 students have submitted their Ph.D. thesis and 15 students are pursuing research work.
- Total 29 RTM Nagpur University recognized Ph.D. supervisors are associated with research academy of institution.
- 04 international and 02 National conferences, 01 seven days workshop and seven one day departmental workshops have been organized by the institution since last five years.
- Total 644 research papers have been published in National/ International journals and Conferences since last five years.

**3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?**

☐ **Autonomy to the principal investigator**

- The principal investigator has a freedom to choose problem of research, freedom is given to the Principal Investigator to purchase equipments and instruments as per his/her need, selection of co-investigator and submission of final report.

☐ **Timely availability or release of resources**

- Institute makes available the resources and necessary facilities to the investigator.

☐ **Adequate infrastructure and human resources**

- The college provides administrative staff, nonteaching staff, glass wares, infrastructure to carry out projects. Every department has adequate infrastructure and instrumentation facility.

☐ **Time-off, reduced teaching load, special leave, etc. to teachers**

- A study leave/duty leave is sanctioned to carry out field work, research work outside the institution.
- The college also promotes teachers to undergo short term training course at Post Graduate Teaching Department of University and other Centre of Higher Learning and Excellence.

- Duty leave is sanctioned to faculty members for attending seminars/workshops/conferences.

☐ **Support in terms of technology and information needs**

- Institution has provided laptop or desktop computers to the department. Wi-Fi internet, reprography, scanning facilities are available.
- Subscription of National/International journals.
- The college is member of INFLIBNET N-LIST through which e-journals; e-books are made available.

☐ **Facilitate timely auditing and submission of utilization certificate to the funding authorities**

- The institution provides timely auditing service of Chartered Accountant and technical support and submission of utilization certificate to UGC or any other funding agency.

**3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students**

- Various departments of the institution promote research culture and scientific aptitude through organization of guest lectures by eminent scientists.
- Visits/tours to research institutes, laboratories, industries are organized.
- Department of Environmental Science, Zoology, Chemistry and Microbiology are recognized as centres for Higher Learning and Research for promotion of research.
- Research based projects are assigned to PG students as a part of curriculum. Teaching staff of the respective departments guide them for research projects.
- Power point presentations, classroom seminars are arranged regularly for UG, PG students to improve confidence, analytical thinking, and presentation skill.
- Science Association and Nature Club of the college organize number of programmes like guest lectures, workshop to promote interest/knowledge about wildlife, forests and environment, to foster concern to protect the flora and fauna, to be fulfilled through participation of students, teachers in conservation activities.
- Subscription of Research Journals, internet facility for teachers and students
- Organization of Departmental Workshops.



**3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.**

Subject	List of University Recognized Ph.D. Supervisors	No. Students Registered	Ph.D. awarded till date
Botany	Dr. (Mrs.) S. V. Kulkarni Dr. V. S. Dongre	01 03	- 02
Chemistry	Dr. (Mrs.) A. S. Mahakalkar Dr. (Mrs.) N. S. Dhoble	01 05	- -
Environmental Science	Dr. P. U. Meshram	05	01
Microbiology	Dr. G. L. Bhoosreddy Dr. (Mrs.) K. V. Dubey	- 01	01 -
Zoology	Dr. P. N. Charde Dr. A. S. Mohite	08 -	07 02
Home Science	Dr. (Mrs.) A. S. Dhoble Home Economics Home Sci. Extension	07 07	- -
Social science	Dr. (Smt.) S. S. Mandavgade	03	-

List of external Ph.D. Supervisors associated with Research Academy of Sevalal Mahila Mahavidyalaya, Nagpur.

1. Dr. Reuven Yosef, International Birding Research Centre, Iliat, Israel.
2. Dr. G. Sundev, Mangolian Ornithological Society, Mangolia.
3. Dr. S. B. Zade, Professor, Department of Zoology, R.T.M. Nagpur University, Nagpur.
4. Dr. A. N. Lonkar, Associate Professor, Department of Zoology, Nutan Adarsh College, Umrer, District Nagpur
5. Dr. C. J. Khune, Associate Professor, Department of Zoology, M. B. Patel College, Sakoli.
6. Dr. P. R. Chandelkar, Associate Professor, Department of Zoology, Govt. Autonomous P.G. College, Chhindwara.
7. Dr. I. N. Dudhat, Associate Professor, Department of Zoology, J. M. Patel College, Bhandara.
8. Dr. A. A. Dhammani, Associate Professor, Department of Zoology, N. H. College, Brahmhapuri, District Chandrapur.
9. Dr. A. P. Sawane, Associate Professor, Department of Zoology, Anand Niketan College, Warora.
10. Dr. M. S. Ambatkar, Associate Professor, Department of Zoology, Ambedkar College, Chandrapur.

11. Dr. S. R. Sitre, Assistant Professor, Department of Zoology, N. S. College, Bhadrawati
12. Dr. J. S. Shinde, Associate Professor, Department of Zoology, Shri Shivaji Science College, Rajura.
13. Dr. D. D. Barsagade, Associate Professor, Department of Zoology, R.T.M. Nagpur University, Nagpur.
14. Dr. A. S. Chilke, Associate Professor, Department of Zoology, Shivaji Science College, Rajura.
15. Dr. K. G. Patil, Associate Professor, Institute of Science, Nagpur.
16. Dr. P. M. Telkhade, Associate Professor, A.C.S. College, Tukum.
17. Dr.(Mrs.) S. Satyanarayan, Ex. Deputy Director, National Environmental Engineering Research Institute, Nagpur.
18. Dr. D. S. Ramteke, Scientist, National Environmental Engineering Research Institute, Nagpur.
19. Dr. P. R. Choudhary, Scientist, National Environmental Engineering Research Institute, Nagpur.
20. Dr. J. L. Tarar, Ex. Head, Department of Botany, Institute of Science, Nagpur.
21. Dr. A. D. Bobdey, Head, Department of Zoology, Shri Shivaji Science College, Nagpur.
22. Dr. Sarita Nimhare, Associate Professor, Department of Zoology, Ashti, District Wardha.
23. Dr. M. G. Thakre, Head, Department of Environmental Science, Arts, Commerce and Science College, Tukum, District Chandrapur.

Project	Major Research projects		Minor Research projects		
	Completed	Ongoing	Completed	Ongoing	Recently sanctioned
Botany	01	-	02	--	--
Chemistry	--	01	02	--	--
Environmental Science	--	--	03	--	--
Microbiology	02	--	01	01	--
Zoology	02	--	04	--	01
Home Science	--	--	08	--	02
Social science	--	--	05	--	03
<b>Total</b>	<b>05</b>	<b>01</b>	<b>25</b>	<b>01</b>	<b>06</b>

**Ph.D. Awarded to faculty (2010-2015)**

S. N.	Name of the Faculty	Subject	Year
1	Dr. (Mrs.) S. S. Mandavgade	Music	2011
2	Dr. S.V. Pise	Marathi	2011
3	Dr. A. K. Rathod	Chemistry	2012
4	Dr. (Mrs.) M. M. Joharapurkar	Food and Nutrition	2012
5	Dr. (Mrs.) B. S. Tapase	Environmental Science	2012
6	Dr. S. G. Rokde	Library Science	2013
7	Dr. P. R. Bhandari	Microbiology	2013
8	Dr. A. P. Lambat	Botany	2013
9	Dr. (Mrs.) P. A. Chinchkhede	Home Economics	2014
10	Dr. (Mrs.) N.A. Tiwade	Textile and Clothing	2015
11	Dr. (Mrs.) S.D. Bhoyar	Resource Management	2015
12	Dr. (Mrs.) J. S. Dahegaonkar	Zoology	2015
13	Dr. (Mrs.) H. A. Padole	Textile and Clothing	2015
14	Dr. (Mrs.) A.R. Rathkanthiwar	Human Development	2015

**3.1.6 Give details of workshops/training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.**

The college has taken several initiatives to encourage research culture amongst the teachers and students. Some of the initiatives include organization of National/International Seminars and Conferences, Departmental Workshops, Guest Lectures of the eminent scientists and special interactive sessions with eminent academicians. Following are the Conferences/Seminars/Workshops organized by the institution since last five years.

S. N.	Title of Conference/ Seminar/Workshop	Level (National/ International/ State etc)	Organization details	Source of funding	Grants received
1	II <sup>nd</sup> World Congress for Man and Nature - 2012 on "Global Change: Impact on Biodiversity, Culture and Technology."	International 3 <sup>rd</sup> -5 <sup>th</sup> November, 2012	Sevadal Mahila Mv. in association with International Council for Man and Nature and International Society for Science & Technology, Mumbai	Registration Fees	UGC Funding Rs.1 Lac
2	1st International congress on science and technology for society on sustainable	International 23-25 <sup>th</sup> May, 2014, Bangkok, Thailand	Vishwashanti Multipurpose Society in association with Sevadal Mahila	Registration Fees from particip	

	biodiversity conservation through technological & social approaches.		Mv., Jagadamba College, Yavatmal, S.P. College, Chandrapur and Bhavbhuti College, Amgaon	ants	
3	2 <sup>nd</sup> International conference on science & Technology for Society: Conservation of Environment by advanced Technologies through social approaches for sustainable development.	International 19-21 <sup>st</sup> May, 2015, Kandy, Sri Lanka	Vishwashanti Multipurpose Society in association with Sevadal Mahila Mahavidyalaya, Nagpur and Society for Technologically Advanced Materials, India and University of Perdeniya, Kandy, Sri Lanka.	Registra tion Fees from particip ants	
4	National Conference on Significance of Language and social science in the age of Information Technology	National 4 <sup>th</sup> Sept. 2015	Social Science Faculty of Sevadal Mahila Mahavidyalaya, Nagpur.	Registra tion Fees from particip ants	
5	National conference on Recent trends in life sciences, material sciences and Home sciences	National 4 <sup>th</sup> Oct. 2015	Science and Home Sci. Faculties of Sevadal Mahila Mahavidyalaya, Nagpur.	Registra tion Fees from particip ants	
6	First International Conference on Science, Engineering and Technology.	21-23 <sup>rd</sup> November, 2015	Jagdambha College of Engineering and Technology, Yavatmal in association with Sevadal Mahila Mahavidyalaya, Nagpur and Others.	Registra tion Fees from particip ants	
7.	Human Rights: Awareness workshop (7days )	Inter-collegiate 24-28 <sup>th</sup> December, 2010	Department of Political Science, Sevadal Mahila Mahavidyalaya, Nagpur.	UGC, New Delhi	1,35,000
8	Human Rights Scheme: Promotion of Ethics & Human values & Education Workshop (3 days) "Tarunyabhan: Jeevan Shikshan Karyakram.	Inter-collegiate	Department of Political Science, Sevadal Mahila Mahavidyalaya, Nagpur	UGC, New Delhi	3,00,000

9	Three days workshop on preparation of Jam ,jellies, pickle etc.(Every year)	College Level	Department of Home economics in association with Food and Nutrition Research Centre, Nagpur	Sevadal Mahila Mahavi dyalaya, Nagpur	5,000
10	Three days workshop on preparation of jam , jellies, soups etc. (Every year)	College Level	Department of Food & Nutrition in Association with Food & Nutrition Centre, Nagpur	Sevadal Mahila Mahavi dyalaya, Nagpur	5,000
11	One day workshop on “World Forestry Day”	College Level 21 <sup>st</sup> Mar.2012	Science Association of Sevadal Mahila Mv.	Forest Depart ment Nagpur.	5,000
12	One day workshop on “Gender Sensitization”	College level 23 <sup>rd</sup> Jan 2014, 20 <sup>th</sup> Dec 2014	Pol. Science Department of college invited Social Worker, Mrs. Maitryee Kale.	Sevadal Mahila Mahavi dyalaya, Nagpur	5,000
13	Two days workshop on “Molecular Biology & Biotechnology” (Every year)	College Level	Microbiology Department in association with Hi-Media Laboratori es, Mumbai	Sevadal Mahila Mahavi dyalaya, Nagpur	5,000

**3.1.7 Provide details of prioritised research areas and the expertise available with the institution.**

Subject	Name of Faculty	Area/s of Research
Botany	1. Dr. (Mrs.) S. V. Kulkarni 2. Dr. V. S. Dongre	Embryology and Palynology Cytogenetics and plant breeding
Chemistry	1. Dr.(Mrs.) A. S. Mahakalkar 2. Dr. (Mrs.). N. S. Dhoble 3. Dr. (Mrs.) M. P. Patil 4. Dr. (Mrs.) P. P. Chanhande 5. Mrs. A. M. Duragkar	Polymer synthesis & characterization Lamp phosphors, TL dosimetry, Nanotechnology. Adsorption & its applications Synthesis of polymers& applications Synthesis of inorganic lamp phosphor materials.
Environmental Science	1. Dr. P. U. Meshram  2. Dr. S. L. Pal  3. Dr. (Mrs.) B. S. Tapase	Water quality and Solid waste management, Air assessment & air quality management. Water and waste water treatment by Adsorption technique Water analysis
Microbiology	1. Dr. P. R. Bhandari  2. Mrs. S. R. Nimbarte	Environmental Microbiology, Medical Microbiology, Applied Microbiology, Biotechnology

	3. Dr. G. L. Bhoosreddy 4. Dr. K. V. Dubey	Applied Microbiology, Biotechnology Environmental Biotechnology, Microbial surfactants & their application for reclamation of degraded lands.
Zoology	1. Dr. P. N. Charde 2. Dr. A. S. Mohite  3. Dr. (Mrs.) J. B. Tirpude 4. Dr.(Mrs.)J. S. Dahegaonkar 5. Mr. A. V. Dorlikar	Ornithology, Ptilochronology Entomology, Reproductive Physiology, Environmental Biology Mammalian Reproductive Physiology, Environmental Biology Mammalian Reproductive Physiology Fisheries, Environmental Biology, Entomology
Home Science	1. Dr. (Mrs.) N. A. Tiwade 2. Dr. (Mrs.) H. A. Padole 3. Dr. A. P. Lambat 4. Dr. R. D. Gadewar 5. Mrs. J. S. Ramteke 6. Dr.(Mrs.) S. D. Bhoyar 7. Dr. (Mrs.) A. R. Rathkathiwar 8. Dr.(Mrs.) M. M. Joharapurkar 9. Mrs. J. D. Kamble 10. Dr. (Mrs.) A. S. Dhoble 11. Mr. R. R. Nagpure	Clothing Behavior Dyes, Applications on fabric Agriculture and Climate Change Phycology Human Physiology Organic Manure Child Development Nutritional status of women Nutritional status of college going girls Home Science Extension Education Remote Sensing
Social Science	1. Dr. S. V. Pise 2. Dr. (Smt.) S. S. Mandavgade 3. Mr. G. S. Kawale 4. Mr. J. K. Pendse 5. Mr. S. G. Meshram 6. Mr. N. A. Khandekar 7. Ms. R. M. Dhandekar 8. Mrs. S. D. Kolarkar 9. Mr. P. M. Gajbhiye 10. Mr. T. S. Madankar 11. Dr. (Mrs.) P. A. Chinchkhede	Marathi Gramin Sahitya Music Therapy Indian writers in English Unorganized Labours Dalit/Gramin Sahitya Sant Kabir Music Indian Government and Politics Women Empowerment American Literature Gwalior Gharana Music Child Development

**3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?**

- The college organizes Guest Lectures, interactive sessions, workshops and panel discussions with eminent researchers.
- The college has organized one International Conference and two National Conferences. Three international conferences have also been jointly organized in association with other institutions, which brought together eminent scientists, academicians and research scholars from India and abroad.
- Science Association and Nature Club of the institution have organized interactive sessions with eminent scientists and academicians.
- Following eminent academicians/scientists/resource persons visited our college.

1. Dr. Ajitkumar Mohanty, Bhabha Atomic Research Centre, Mumbai, January 2011.
2. Dr. B.C. Bhatt, Bhabha Atomic Research Centre, Mumbai, August 2011.
3. Dr. Kamal Singh, Ex Vice chancellor, Sant Gadgebaba Amravati University, September, 2011.
4. Dr. S.H. Pawar, Vice Chancellor, D.Y. Patil University, Kolhapur, 2011.
5. Dr.A.M.Khurad, HOD Zoology Department, August 2011.
6. Dr. K.V.R. Murthy, M.S. University, Baroda, August 2011.
7. Dr. C.V.C. Rao, Head, Air Pollution Control Board, March 2012.
8. Dr. R.N. Shukla, Samrat Ashok Institute of Technology, Bhopal, January 2013.
9. Dr. Ratner, Scientist, Central Sericulture Board, Dawadipar, January 2013
10. Dr. Kaustav Chatterjee, Head, Environment Division, Reva Enviro System Pvt. Ltd., September 2013.
11. Prof. Dilip Yardi, Dr. B. R. Ambedkar Marathwada University, Aurangabad, December 2013.
12. Prof. Yashwant Sumant, Head, Department of Political Science, Savitribai Phule, Pune University, Pune, January, 2014.
13. Mrs. Suman Menon, Director, Indian Institute of Clinical Research & Management, January, 2014.
14. Dr. Marris R. Jablonski, Milwaukee Area Technical College, USA, April 2014.
15. Mrs. Vaishali Lande, Nagpur, Application of computer in fashion designing, January, 2014.
16. Dr. Sanjay Karkare, Assistant Director, Bombay Natural History Society, Nagpur, October 2014.
17. Dr. D. S. Katdare, IIT Pawai, Mumbai, February 2015.
18. Dr. Milind Deshpande, IIT Pawai, Mumbai, February 2015.
19. Dr. S. K. Goyal, HOD, EIRA Division, NEERI, Nagpur, April 2015.
20. Dr. R. L. Choudhary, Ex-Chief Conservator of Forests, Nagpur, September 2015.
21. Dr. B. Raghvendra, Nuclear Power Corporation of India Ltd., Mumbai, August 2015.
22. Dr. Sunita Bhale, Associate Professor, Indira Kala Sangeet Vishwavidyalaya, Khairagad (C.G.), September, 2015
23. Dr. Jagan Karade, Department of Sociology, Shivaji University, Kolhapur, September, 2015.
24. Dr. D. Haranath, Sr.Scientist, NPL, New Delhi, September 2015
25. Prof. Sandesh Jadkar, Savitribai Phule Pune University, Pune, September 2015.

26. Dr. Sushma Deshmukh, Director, Central India Test Tube Baby Centre, Nagpur, September 2015.

27. Dr. Prachi Mahajan, Nagpur, Oncosurgen, September 2015.

**3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?**

- Sabbatical/Special leave is granted to teachers who wish to avail the leave for study/research purpose. Most of the faculty members avail duty leave/study leave to participate in Conferences/Seminars/Workshops/Training Camp.
- Two faculty members availed two years leave for pursuing Ph.D. under Faculty Improvement Programme (FIP) of UGC.
  - Dr. A. P. Lambat, Department of Biology, Home Science Faculty from 2010 to 2012.
  - Mr. G. S. Kawale, Department of English, Arts Faculty from 2012 to 2014.
- Teacher's participation in research activity has helped in establishment of linkages with other institutions for academic and research purpose and joint organization of International Conferences at Bangkok, Colombo and Dubai.

**3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)**

- Initiatives are taken by the institution in creating awareness/advocating/transfer of environment awareness programmes, analysis of water samples of rural areas, consultancy services regarding biosurfactant and analysis of surface tension and interfacial tension of bacterial samples, distribution of bio-fertilizers to farmers and save birds project.
- Various International/National level Seminars/Conferences are organized. It provides platform for interaction of research students with eminent research experts so as to proliferate research culture from lab to land.
- The faculty members of the institution publish quarterly International Journal of Researches in Biosciences, Agriculture and Technology (IJRBAT). An International Journal of Researches in Social Sciences and Information Sciences (IJRSSIS) is also publishing quarterly in which teaching staff are on Editorial Board.
- Faculty members are also encouraged to publish their findings in Peer reviewed impact factor journals.



**3.2 Resource Mobilization for Research****3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.**

- Teachers are encouraged to apply for major and minor research projects to UGC and the sanctioned amounts are disbursed as per the guidelines of the funding agency.
- The fees collected from registered Ph.D. students in the subject Zoology, Chemistry, Environmental Science and Microbiology is specifically used for research activities such as affiliation charges, course work, purchase of consumables, repair and maintenance laboratories and equipments, and other miscellaneous work.

Actual expenses under major heads since last five years:

**Details of the major heads of expenditure and amount utilized by the institution (Including Projects funds)**

Major Heads	Amount Utilized		
	2011-12	2013-14	2014-15
Chemicals, Glassware and Consumable	1,85,000	2,30,000	2,60,000
Equipments	2,00,000	3,45,000	5,10,000
Books/Journals	1,10,000	1,10,000	2,30,000
Contingency	1,30,000	1,15,000	2,25,000
Travel/ Field work	-	-	-
Project Fellow	80,000	60,000	2,40,000
Over Head	35,000	40,000	30,000
<b>Total</b>	<b>5,55,000</b>	<b>9,00,000</b>	<b>14,95,000</b>

**3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?**

- There is no provision in the institution to provide seed money to the faculty members for research. Individual teachers apply for financial assistance from UGC under Major/Minor Research Project. Amount shall be disbursed as per the need on receipt of funds from UGC.
- The college provides advances to fulfill the requirements of sanctioned research projects. The same is refunded as and when sanctioned amount is received. However, the institution provides laboratory infrastructure and support of non-teaching and administrative teaching for their research work.
- Since last four years, institution has spent the amount to the tune of Rs. 6 Lakhs towards organizing Conferences/Seminars/Departmental Workshops and Guest Lectures of academicians and scientists.

**3.2.3 What are the financial provisions made available to support student research projects by students?**

- The fund received for Major Research Project is utilized for doctoral level (Ph.D.) research work of students.
- PG students are provided with laboratory infrastructure, chemicals, glassware, instrumentation, library facility, faculty guidance and support of non-teaching staff to carry out their research projects.
- Financial assistance is given to organize departmental workshops.
- Financial assistance is provided to needy students who carry out research projects as a part of their curriculum.

**3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.**

- The faculty members exchange their expertise to promote research activities. Some faculty members carry out interdisciplinary research in collaboration with faculty members of same institution or other institutions.
- A major research project entitled, “Bioaugmentation process of using microbial isolate for remediation of pesticides contaminated soils” was sanctioned to Microbiology Department. Pot culture experiments of this project were conducted with expertise of Dr. (Mrs.) S. V. Kulkarni, Head, Department of Botany in order to study the role of biosurfactants on growth profile of vegetables.
- Another example is of the project sanctioned to botany department entitled, “Studies on physico-chemical parameters, microflora and antibacterial activity of some branded honey and local honey in Nagpur region”. Physico-chemical analysis of honey samples were carried out by faculty members of chemistry department. The pulled data are published in the National/International conferences as well as in journal of repute.
- Another interdisciplinary major research project sanctioned by Board of Research in Nuclear Science (BRNS) has successfully completed by chemistry department of the college and Post Graduate Teaching Department (PGTD) of Physics, RTM Nagpur University, Nagpur. Similarly, interdisciplinary major research project sponsored by UGC has successfully completed by Zoology Department of the college and PGTD of Zoology, RTM Nagpur University, Nagpur.
- Department of Microbiology is the University recognized research centre of the college. One of the students has been registered with the interdisciplinary topic under supervision of Dr. (Mrs.) S. V. Kulkarni, Department of Botany and Dr. (Mrs.) K. V. Dubey, Department of Microbiology.

**3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?**

- Department of Environment Science, Zoology, Microbiology and Chemistry are recognized as 'Center for Higher Learning and Research'.
- Central instrumentation facilities are available in Microbiology and Zoology departments.
- The staff members who have undertaken research projects are encouraged to use the facilities available in the department.
- Students are provided with laboratory facilities while preparing students research projects/dissertations. Library is kept open throughout the working hours to facilitate full time access to books, journals and internet.
- There is a good collection of e-journals and e-books, reference books, journals (INFLIBNET) and internet facility in the library.

**3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.**

- The institution has not received any grants or finance from industry.
- The institution has received grants under major and minor research projects, development grants from UGC. Institution has also received grants for Career Oriented Programme and PG Diploma Programme.
- Major and Minor Research Projects funded by UGC has contributed Rs.41,48,261/- and Rs.20,13,000/- respectively for the enhancement of research facility.
- Grant of Rs.76,68,000/- have been received by the institution under various heads of UGC XI<sup>th</sup> Plan.
- Grant of Rs.2,40,000/- have been received against Rs.45,64,450/- sanctioned under UGC XII<sup>th</sup> Plan.

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organisations. Provide details of ongoing and completed projects and grants received during the last five years.**

The research committee and IQAC encouraged the faculty members and provide the essential information and guidance to undertake major/minor research projects and help them to submit the proposal to funding agency for financial assistance. Details of completed, ongoing and recently sanctioned projects during last seven years are given below.

Department	Name of Faculty & Title of Project	Type Major/ Minor	Status Completed / Ongoing/ Sanctioned	Funding agency	Grants Sanctioned Rs.	Grants Received Rs.
Botany	Dr. (Mrs.) S. V. Kulkarni: Studies of physicochemical parameters, Micro flora and antimicrobial activity of some branded Honey and local honey in Nagpur region.	Major	Completed	UGC	8,42,361	8,42,361
	Dr. (Mrs.) S. V. Kulkarni: Studies on some traditional medicinal plants and their effects on pituitary testicular axis in male albino rats	Minor	Completed	UGC	1,00,000	1,00,000
	Dr. V. S. Dongre: Effect of Industrial Effluent on <i>Triticum aestivum</i> and <i>Brassica Campestris</i>	Minor	Completed	UGC	1,00,000	80,000
Chemistry	Dr.(Mrs.) A.S. Mahakalkar: Risk Assessment of Heavy Metal Toxicity (Biomagnification) through contaminated vegetables from waste water (Nag River) irradiated area of Nagpur.	Major	Ongoing	UGC	9,82,800	9,21,200
	Dr.(Mrs.) A.S. Mahakalkar: Synthesis, Characterization, Structural Studies and Applications of Supramolecules	Minor	Completed	UGC	1,10,000	1,10,000
	Dr. (Mrs.) N. S. Dhoble; Development of Silicate based Inorganic Nanomaterial and its Applications	Minor	Completed	UGC	2,00,000	2,00,000
Environmental Science	Dr. P. U. Meshram: Assessment and evaluation of water distribution system through quality characterization and treatment of storage	Minor	Completed	UGC	1,30,000	85,000

	Dr. (Mrs.) B. S. Tapase: Detrimental Effect of Mining Effluent on groundwater Quality of East Umrer, Vidharbha (M.S)	Minor	Completed	UGC	1,20,000	80,000
	Dr. S. L. Pal: Enhancement of biogas production in cattle dung digestion through <i>Jatropha</i> ( <i>Jatropha curcas</i> ) oil cake amendment	Minor	Completed	UGC	1,75,000	1,45,000
Micro-biology	Dr. P. R. Bhandari: Impact of Insecticide and Pesticide on Microbial Strains on Chilli Fields at Bhivapur and Umrer region of District of Vidharbha with bioremediation and Bioreclamation measures	Minor	Completed	UGC	80,000	62,500
	Mrs. S. R. Nimbarte: Molecular characterization of septicaemia causing organism isolated from poultry birds"	Minor	Ongoing	UGC	57,000	55,000
	Dr. (Mrs.) K. V. Dubey: Strategies for biosurfactant production by using combination of distillery waste with other industrial wastes	Major	Completed	UGC	10,02,800	7, 38,800
	Dr. G. L. Bhoosreddy & Dr.(Mrs.) K.V. Dubey: Bioaugmentation process of using microbial isolates and their surfactants in remediation of pesticide contaminated soils	Major	Completed	UGC	5,54,300	3,00,300
Zoology	Dr. P.N. Charde: Ptilochronology - Feather study and biology of <i>Coturnix coturnix</i> –quail bird.	Major	Completed	UGC	8,01,800	5,52,800

	Dr. P.N. Charde & Dr. A.P. Lambat Climate change and its impact on Agriculture crops of Nagpur district of Vidarbha region.	Major	Completed	UGC	10,61,800	7,92,800
	Dr. P.N. Charde: Ecology and Breeding behavior of Indian Grey Hornbill <i>Ocyrceros birostris</i>	Minor	completed	UGC	1,00,000	85,000
	Dr. A.S. Mohite: Studies on the larval morphology, cephalic & segmental chaetotaxy, gamma irradiation and chemosterilant-induced histopathological effects on gonads and inherited sterility in fruit piercing moth, <i>Eudocima materna</i> (Linnaeus) (Lepidoptera: Noctuidae)	Minor	Sanctioned	UGC	2,50,000	--
Family Resource Management	Dr. (Mrs.) S. D. Bhoyar: A comparative study on growing vegetables using vermicompost and manure prepared from kitchen waste	Minor	Completed	UGC	1,05,000	1,05,000
Food and Nutrition	Dr. (Mrs.) M.M. Joharapurkar: Impact of maternal nutrition status on the outcome of pregnancy	Minor	Completed	UGC	23,000	23,000
	Dr. (Mrs.) M.M. Joharapurkar: Assessment of Nutritional Status of Rural Women	Minor	Sanctioned	UGC	2,65,000	-
	Mrs. J. D. Kamble: Effect of Dietary iron and medicinal supplementation with nutrition education on selected anemic college going girls of different socio-economic group	Minor	Completed	UGC	1,00,000	75,000

Human Developm ent	Mrs. A.R. Ratkanthiwar: Impact of personality type of intelligence of adolescent children.	Minor	Completed	UGC	55,000	35,000
Extension Education	Dr. (Mrs.) A. S. Dhoble: Assessment of Rural Women's awareness regarding environment and sanitation	Minor	Completed	UGC	75,000	55,000
Biology	Dr. R. D. Gadewar: Studies on algal flora of sugar cane fields of Taluka Digra District Yavatmal	Minor	Completed	UGC	80,000	55,000
	Mrs. J. S. Ramteke: "Effect of methallibure & LH-Rh analogues on Pituitary-Adrenal-Gonadal Axis and its antifertility action in male albino rat".	Minor	Completed	UGC	70,000	50,000
Textile and Clothing	Dr. (Mrs.) H. A. Padole: Effects of detergents on colour fastness properties of vegetables and synthetic dyes of cotton fabrics	Minor	Completed	UGC	1,45,000	1,27,000
	Dr. (Mrs.) N. A. Tiwade: Textile oriented Vocational Skill to College Going Girls- A step towards Women Empowerment	Minor	Sanctioned	UGC	3,10,000	-
Music	Dr. (Mrs.) S. S. Mandaogade: Shastriya Sangitachaya Anushangane Sant Meerabainchyaya Padancha Abhyas	Minor	Completed	UGC	1,15,000	92,500
	Mr. N. A. Khandekar: Biswi Shatabdi ke purvartha se Vaigyanik Upkarnoka Prayog	Minor	Completed	UGC	95,000	62,500

	Mr. N. A. Khandekar: Sant Kabir Yancha Dohyancha Bhartiya Sangita Dware Prachar Va Prasar	Minor 2015- 2017	Sanctioned	UGC	1,60,000	-
	Prof. T. S. Madankar: Sangeet Chikitsa Padhtit Vadh Sangeetacha Adhik Prabhav Ek Chikitsak Adhayan	Minor 2015- 2017	Sanctioned	UGC	2,30,000	-
Sociology	Mr. J. K. Pendse: Asanghatit kamgaran chya samajik sasyanche samajshastriya adhyayan.	Minor	Completed	UGC	1,05,000	82,500
Home Economics	Mrs. S. D. Kolarkar: Gramin mahilana swayamrojarasathi prashikshanadware rojaras prema denara upakram.	Minor	Completed	UGC	80,000	67,500
English	Mr. P. M. Gajbhiye: The Influence of Buddhism on Jack Kerouac's "The dharma bums and some of the dharma"	Minor	sanctioned	UGC	90,000	-
Library	Dr. S. G. Rokade: Student Attitude toward E-learning in Higher Education: A Study at Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur affiliated Colleges of East Nagpur."	Minor	Completed	UGC	90,000	75,000

### **3.3 Research Facilities**

#### **3.3.1 What are the research facilities available to the students and research scholars within the campus?**

- Four departments i.e. Zoology, Environmental Science, Chemistry and Microbiology are recognized as a "Centre for Higher Learning and Research" by RTM Nagpur University, Nagpur. These four departments have research laboratories with basic instrumental facilities for students research projects/dissertations.



- Research academy has been established to facilitate research. University recognized Research Supervisors from the institution as well as from outside the institution supervise the research work of students.
- Subscription of National/International journals, e-books, e-journals and INFLIBNET.
- Special instrumentation/equipments available in the institution includes Atomic Absorption Spectrophotometer, Gas Chromatography, UV-Spectrophotometer, Orbital Shaking Incubator, Laminar Air Flow, Cooling Centrifuge, Deep Fridge, COD Assembly, BOD Incubator, High Volume Sampler, DG-3 Assembly for Microphotography, High Resolution Microscopes, Dissecting Binoculars, Digital Cameras, etc.

**3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?**

- Research Committee and IQAC prepare the planning for upgrading research facilities to meet the need of researchers considering the availability of space in the departments.
- For upgrading research activity, eminent scholars, scientists from renowned institutes/Universities like BARC, NPL, NEERI, IIT and PG Departments of University are invited to enlighten about new trends in research.
- The college has University recognized Research Supervisors in all the grant-in-aid Science Departments. Some of the faculty members have developed linkage with other institution, University departments and research institutes.
- Some of the faculty members are involved in new and emerging areas of research such as biosurfactants, solid state lighting, ptilochronology, etc.
- Post Graduate Diploma in Environmental Biotechnology and Ornithology are run successfully.

**3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments/facilities created during the last four years.**

The institution has not received any special grant from industry. However, UGC grants have been received for instrumentation and books. Similarly, UGC grants received for Major and Minor research projects, additional assistance to college and grants received under PG

Diploma Courses are used for developing research facilities during last five years. Following are the some important instruments and facilities procured since last five years.

Atomic Absorption Spectrophotometer, Barcode Scanner, 15 KV generator, Interactive Whiteboard, Gas Chromatography, Inverter, UV-Spectrophotometer, Orbital Shaking Incubator, Laminar Air Flow, Cooling Centrifuge, Deep Fridge, Water Cooler, COD Assembly, BOD Incubator, Four CCTV Camera, Legal Software, High Volume Sampler, DG-3 Assembly for Microphotography, High Resolution Microscopes, Dissecting Binoculars, Digital Camera (Sony), Digital Camera (Nikon), etc.

**3.3.4 What are the research facilities made available to the students and research scholars outside the campus/other research laboratories?**

Faculty members of Environmental Science, Zoology, Chemistry and Microbiology have developed research linkages with P.G. Department of University, other research institutes like National Environmental Engineering Research Institute (NEERI), Vishweshwarayya National Institute of Technology (VNIT) and research laboratories of other colleges in order to avail research facility for students.

**3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?**

There is no exclusive facility for research scholars. However, the facilities in the institution such as infrastructure, laboratory instruments and equipments, network resources, computer, INFLIBNET, e-journals, are made available to the researchers.

**3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.**

- Department of Chemistry and Zoology has initiated collaborative research work with PG Department of Physics and Zoology, RTM Nagpur University, Nagpur.
- Department of Chemistry has initiated collaborative research with National Physical Laboratory, New Delhi.
- Department of Environmental Science and Microbiology has initiated collaborative research work with NEERI.
- Microbiology, Zoology and Environmental Science laboratory are well established with the advanced instruments.

### **3.4 Research Publications and Awards**

#### **3.4.1 Highlight the major research achievements of the staff and students in terms of, Patents obtained and filed (process and Product), Original research contributing to product improvement, Research studies or surveys benefiting the community or improving the services, Research inputs contributing to new initiatives and social development.**

##### **Patents obtained -**

Dr. (Mrs.) K. V. Dubey, Assistant Professor, Department of Microbiology has obtained a patent 'A New Process for Recovery of Biosurfactant from Distillery Water dated 5<sup>th</sup> April, 2007. Patent No.225343.

##### **Original research contributing to product improvement –**

- Faculty from Department of Microbiology has prepared biosurfactants from cost effective material to be used in remediation of various systems.
- Faculty from Chemistry department has synthesized materials that can be used in LEDs, TL dosimeters.
- Faculty from Family Resource Management Department has grown kitchen garden with better quality vegetables using kitchen waste, without using fertilizers and chemicals.

##### **Research studies or surveys benefiting the community or improving the services..Research inputs contributing to new initiatives and social development**

- Faculty member from Microbiology Department worked as Secretary of Global Biotech Forum and has organized a lab to land session for farmers at Dhapewada village to distribute biofertilizers.
- Faculty member from Microbiology Department has synthesized novel biosurfactant useful for remediation of pesticides contaminated soils.
- Faculty member from Chemistry Department has prepared TL dosimetric material for measurement of absorbed radiation dose, lamp phosphor materials of LED for saving energy which is beneficial for community development.
- Faculty member from Zoology Department has modified the artificial diet and proposed improved mass rearing technique of gram pod borer, *Helicoverpa armigera* for laboratory experiments.
- Botany department has determined quality, purity and antimicrobial properties of honey samples.
- Faculty of Zoology has initiated research in new branch of Ornithology called ptilochronology.
- Faculty members of Home Science Faculty have conducted survey to determine the nutritional status of college going girls, pregnant women and adolescent age group.

**3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?**

Yes, the faculty members of the institution published two online journals in association with Vishwashanti Multipurpose Society founded to ensure development of researchers to explore new horizons, dimensions of research in their respective field.

- i) International Journal of Researchers in Biosciences, Agriculture and Technology (IJRBAT) e-ISSN No-2347-517X. Science faculty members of the institution are on the Editorial Board of the journal.
- ii) International Journal of Researches in Social Sciences and Information Sciences (IJRSSIS) e-ISSN No.2347-8268 and print-2347-8209. Social Science and Home Science faculty members of the institution are on the Editorial Board of the journal.

Both Journals are quarterly, peer reviewed and interdisciplinary.

**3.4.3 Give details of publications by the faculty and students: Publication per faculty, Number of papers published by faculty and students in peer reviewed journals (national / international), Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.).**

**Research paper publications by faculty members:**

- Number of research papers published by the faculty in National and International Journals during last five years are given in the following table.
- Data regarding the Cumulative Citation Index, Impact Factor, SNIP, SJR and H Index is of last 10 years (Source of data Scopus/Google Scholar/SCImago-SJR/Journal Metrics).

Department	Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index (Cumulative)	Impact Factor (Cumulative)	SNIP (Cumulative)	SJR (Cumulative)	H Index (Cumulative)
		National	International						
Botany	Dr. (Smt.) S. G. Desai	01	03	-		-	-	-	-
	Dr. (Mrs.) S. V. Kulkarni	05	14	-		0.7	1.120	0.702	
	Dr. V. S. Dongre	02	04	-		-	-	-	-
Chemistry	Dr. (Mrs.) A. S. Mahakalkar	04	10	01		0.177	0.356	0.161	
	Dr. N. S. Dhoble	06	50	36	100	55.29	18.06	17.28	06
	Dr. M. P. Patil	02	05	01		0.177	0.356	0.161	
	Dr. A. K. Rathod	03	18						
	Dr. P. P. Chahande	02	04						
	Mrs. A. M. Duragkar	01							
Env. Sci.	Dr. P. U. Meshram	04	08	01	1	3.047	-	0.75	1
	Dr. S. L. Pal	-	-	-	-	-	-	-	-
	Dr. (Mrs.) B. S. Tapase	03	06	-	-	-	-	-	-
Microbiology	Dr. P. R. Bhandari	02	05	-	-	-	-	-	-
	Mrs. S. R. Nimbarte	04	09	01	01	1.31			01
	Dr. G. L. Bhoosreddy	06	08	03	10	1.56			02
	Dr. Mrs. K. V. Dubey	04	08	06	67	7.83	2.013	2.199	06
Zoology	Dr. P. N. Charde	20	09	03	12	6.094	3.750	2.450	3
	Dr. A. S. Mohite	07	07	07	19	3.772	3.205	1.360	3
	Dr. (Mrs.) J. S. Dahegaonkar	04	01	02	02	0.960	1.250	0.535	1
	Dr. (Mrs.) J. B. Tirpude	03	05	01	01	-	-	-	-
	Mr. A. V. Dorlikar	05	06	03	05	1.023	1.351	0.539	1
	Dr. (Mrs.) R. S. Karanjekar	-	-	-	-	-	-	-	-
Home Science Faculty	Dr. (Mrs.) N. A. Tiwade	-	04						
	Dr. (Mrs.) H. A. Padole	-	04						
	Dr. (Mrs.) A. S. Dhoble	-	07	-	-	-	-	-	-
	Mrs. J. S. Ramteke	03	02						
	Dr. A. P. Lambat	05	30						
	Dr. R. D. Gadewar	05	40						
	Mr. R. R. Nagpure	00	07						
	Dr. (Mrs.) S. D. Bhoyar	05	05						
	Mr. P. S. Deshpande	01	05						
	Dr. (Mrs.) M. M. Joharapurkar	01	04						
	Mrs. J. D. Kamble	02	03						
	Mrs. A. R. Ratkanthivar	03	05						

Arts Faculty	Mr. S. G. Meshram	04	02						
	Dr. S. V. Pise	23	02						
	Mr. J. K. Pendse	14	01						
	Mrs. S.D. Kolkar	10	03						
	Dr. (Mrs.) P.A. Chinchkhede	08	03						
	Dr. (Mrs.) S.S. Mandavgade	-	02						
	Mr. N. A. Khandekar	-	01						
	Mr. T. S. Madankar	01	02						
	Mr. G. S. Kawale	03	01						
	Mr. P. M. Gajbhaye	02	-						

Total No. of papers listed in the International database (From 2<sup>nd</sup> cycle and 3<sup>rd</sup> cycle) 2004-2015. [Scopus/SCImago SJR/Journal Metrics]

Department	Authors	Title of paper	Name of Journal, Issue, page Nos., Year	IF	SNIP	SJR
Chemistry	Mahakalkar A.S. et. al.	Surfactant Induced EriochromeBlack B-Metal Ion Interaction: Complexation and Analytical studies	Asian Journal of Chemistry Vol.18, No.4 (2006), 2941-9250	0.177	0.356	0.161
	Dhoble N.S. et.al.	Enhanced luminescence and white light emission from Eu <sup>3+</sup> co-doped K <sub>3</sub> Ca <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> Cl:Dy <sup>3+</sup> phosphor with NUV excitation for white LEDs	Luminescence	1.673	0.658	0.36
	Dhoble N.S. et.al.	Luminescence characteristics of C <sup>5+</sup> ions and <sup>60</sup> Co irradiated Li <sub>2</sub> BaP <sub>2</sub> O <sub>7</sub> : Dy <sup>3+</sup> phosphor	Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms	1.124	0.911	0.601
	Dhoble N.S. et.al.	Influence of P ion on Sr <sub>2</sub> B <sub>5</sub> O <sub>9</sub> Cl:Eu for TL dosimetry	Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms	1.124	0.911	0.601

	Dhoble N.S. et.al.	A comparative investigation of $\gamma$ ray and C5 ion beam impact on thermoluminescence response of $\text{Mg}_2\text{BO}_3\text{F:Dy}$ phosphor	Materials Chemistry and Physics	2.269	1.279	0.818
	Dhoble N.S. et.al.	Luminescent properties of $\text{MAL}(\text{SO}_4)_2\text{Br:Eu}$ (Sr or Mg) red phosphors near UV light emitting diodes.	Luminescence	1.673	0.658	0.36
	Dhoble N.S. et.al.	Photoluminescence enhancement in $\text{Na}_3\text{SO}_4\text{Cl:X}$ ( $\text{X}=\text{Ce}^{3+}$ , $\text{Eu}^{3+}$ or $\text{Dy}^{3+}$ ) material	Luminescence	1.673	0.658	0.36
	Dhoble N.S. et.al.	Luminescence investigations of $\text{RE}^{3+}$ ( $\text{RE}^{3+}=\text{Dy}^{3+}, \text{Eu}^{3+}, \text{Tb}^{3+}$ ) activated $\text{NA21}(\text{SO}_4)_7\text{F}_6\text{Cl}$ Octoelectronic nanophosphors under near UV excitation for LED.	Journal of Inorganic and organometallic polymers and Materials	1.16	0.578	-
	Dhoble N.S. et.al.	Precipitation based synthesis and luminescence of $\text{Ln}^{3+}$ (Eu, Ce, Dy, Sm, Tb) activated $\text{BaC}_2\text{Si}_3\text{O}_9$ . Walstromite Cyclosilicate phosphors	Materials Chemistry and Physics	2.259	1.279	0.818
	Dhoble N.S. et.al.	Study of anomalous emission and irradiation effect on the thermoluminescence properties of barium aluminate	Journal of Luminescence	2.719	1.347	0.77
	Dhoble N.S. et.al.	Luminescent properties of $\text{MAL}(\text{SO}_4)_2\text{Br:Eu}$ (Sr or Mg) red phosphors near UV light emitting diodes.	Luminescence	1.673	0.658	0.36

	Dhoble N.S. et.al.	Thermoluminescence characteristics of Na <sub>3</sub> SO <sub>4</sub> Cl: X (X=Ce, Dy, Mn) phosphor.	Radiation Effects and Defects in Solids	0.404	0.421	0.25
	Dhoble N.S. et.al.	Synthesis and luminescence properties of Li <sub>2</sub> BaP <sub>2</sub> O <sub>7</sub> Ln <sup>3+</sup> (Ln=Eu, Sm) phosphors	Journal of Luminescence	2.719	1.347	0.77
	Dhoble N.S. et.al.	Photoluminescence in K <sub>3</sub> Ca <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> Cl-doped Eu <sup>3+</sup> phosphor.	Luminescence	1.673	0.658	0.36
	Dhoble N.S. et.al.	Mixed influence of copper and some f-block elements on thermoluminescence intensity of CaSO <sub>4</sub> : Dy, P phosphors.	Advanced Materials Letters	1.90	1.024	0.571
	Dhoble N.S. et.al.	Solution combustion synthesis of Dy <sup>3+</sup> and Ce <sup>3+</sup> activated Na <sub>2</sub> ZnSi <sub>2</sub> O <sub>6</sub> phosphors	Journal of Nanoscience and Nanotechnology	1.556	0.506	0.32
	Dhoble N.S. et.al.	Optical properties of CaAl(SO <sub>4</sub> ) <sub>2</sub> Br: RE (RE= Dy, Eu, Ce) novel phosphors	Luminescence	1.673	0.658	0.36
	Dhoble N.S. et.al.	Synthesis and photoluminescence property of RE <sup>3+</sup> activated Na <sub>2</sub> CaP <sub>2</sub> O <sub>7</sub> phosphor	Advanced Materials Letters	1.90	1.024	0.571
	Dhoble N.S. et.al.	A new highly sensitive phosphor for carbon ion dosimetry	RSC Advances	3.0	0.658	
	Dhoble N.S. et.al.	Synthesis and thermoluminescence characterization of Na <sub>6</sub> Mg(SO <sub>4</sub> ) <sub>4</sub> : RE (RE=Ce, Tb)	Radiation Measurements	1.213	0.506	0.32



	Dhoble N.S. et.al.	Glow curve analysis of B-ray irradiated Na <sub>2</sub> Mg(SO <sub>4</sub> ) <sub>10</sub> Cl <sub>3</sub> : Dy phosphor	Journal of Luminescence	2.719	1.347	0.77
	Dhoble N.S. et.al.	Photolumine- scence and thermoluminescen ce study of KCaSO <sub>4</sub> Cl doped with Dy and Ce synthesised by acid distillation method	Journal of Luminescence	2.719	1.347	0.77
	Dhoble N.S. et.al.	Rare earth (Eu <sup>2+</sup> , Ce <sup>3+</sup> ) activated BaAl <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> blue emitting phosphor	Journal of Rare Earths	1.261	1.015	0.538
	Dhoble N.S. et.al.	Thermolumine- scence Characterization of Dy <sup>3+</sup> activated Mg <sub>5</sub> (BO <sub>3</sub> ) <sub>3</sub> F low Zeff phosphor	Luminescence	1.673	0.658	0.36
	Dhoble N.S. et.al.	Photolumine- scence and thermoluminescen ce properties of Dy <sup>3+</sup> /Eu <sup>2+</sup> activated Na <sub>2</sub> Mg(SO <sub>4</sub> ) <sub>10</sub> Cl <sub>3</sub> phosphors	Journal of Luminescence	2.719	1.347	0.77
	Dhoble N.S. et.al.	Optical properties of Eu, Dy, Mn activated M <sub>2</sub> SiO <sub>4</sub> (M <sub>2</sub> =Ca, Sr, Zn) orthosilicate phosphor	Journal of Luminescence	2.719	1.347	0.77
	Dhoble N.S. et.al.	Effect of rare earth ions on TL of CaSO <sub>4</sub> :Dy, P phosphor	Journal of Luminescence	2.719	1.347	0.77
	Dhoble N.S. et.al.	Luminescence characterization of Dy <sup>3+</sup> activated Na <sub>2</sub> Sr <sub>2</sub> Mg(BO <sub>3</sub> ) <sub>2</sub> F 2: Dy <sup>3+</sup> phosphors	Radiation Effects and Defects in Solids	0.404	0.421	0.25

	Dhoble N.S. et.al.	Synthesis and characterization of Eu <sup>2+</sup> activated X <sub>12</sub> Al <sub>10.6</sub> Si <sub>3.4</sub> O <sub>32</sub> Cl <sub>5.4</sub> (X=Sr, Ca) phosphors.	Journal of Luminescence	2.719	1.347	0.77
	Dhoble N.S. et.al.	One step synthesis of Cu <sup>+</sup> activated Li <sub>2</sub> BPO <sub>5</sub> low Z phosphor for thermo luminescence dosimetry.	Indian Journal of Pure and Applied Physics	0.766	0.756	0.33
	Dhoble N.S. et.al.	Synthesis and optical studies of novel Eu <sup>2+</sup> and Ce <sup>3+</sup> doped BaMg <sub>8</sub> Al <sub>18</sub> Si <sub>18</sub> O <sub>72</sub> phosphors	Solid State Sciences	1.839	1.061	0.639
	Dhoble N.S. et.al.	Luminescence characteristics of Li <sub>2</sub> Na BF <sub>6</sub> :Cu phosphor	Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms	1.124	0.911	0.601
	Dhoble N.S. et.al.	Lyoluminescence and mechanoluminescence of Cu activated LiKSO <sub>4</sub> phosphors for radiation dosimetry	Radiation Measurements	1.213	0.506	0.32
	Dhoble N.S. et.al.	Combustion synthesis of X <sub>3.5</sub> Mg <sub>0.5</sub> Si <sub>3</sub> O <sub>8</sub> Cl <sub>4</sub> (X <sub>3.5</sub> =Sr, Ba): Eu <sup>2+</sup> blue emitting phosphors	Advanced Materials Letters	1.90	1.024	0.571
	Dhoble N.S. et.al.	Effect of Bi ion on Eu <sup>2+</sup> → Eu <sup>3+</sup> conversion in CaF <sub>2</sub> : Eu phosphors for RPL dosimetry	Journal of Materials Science	2.371	1.425	0.93

	Dhoble N.S. et.al.	Promising blue emitting Ca <sub>3.5</sub> Mg <sub>0.5</sub> Si <sub>3</sub> O <sub>8</sub> Cl <sub>4</sub> : Eu <sup>2+</sup> nanophosphor for near UV excited white LEDs	Optoelectronics and Advanced Materials, Rapid Communications	0.449	0.38	0.208
	Dhoble N.S. et.al.	Optical properties of MAL <sub>12</sub> O <sub>19</sub> : Eu(M= Ca, Ba, Sr) nanophosphors	Advanced Materials Letters	1.90	1.024	0.571
	Dhoble N.S. et.al.	Radiation induced defects in Pr <sup>3+</sup> Activated LiYF <sub>4</sub> laser host	Radiation Effects and Defects in Solids	0.404	0.421	0.25
	Patil M.P. et. al.	Studies on solute – solvent Interactions between substituted Isoxazolines and different percentage of dioxane water and the Methanol – water mixture	Asian Journal of Chemistry Vol.18, No.1 Page No.3141 - 3143	0.177	0.356	0.161
Micro-biology	Dubey, K. V. et.al.	Adsorption-desorption process using activated carbon for recovery of biosurfactant from distillery waste.	Biotechnology Progress 21: 860-867. (2005)	2.149	0.890	0.725
	Asha A. Juwarkar, Anupa Nair, Kirti Dubey, S.K. Singh and Sukumar Devotta	Biosurfactant Technology for Remediation of Cadmium and Lead contaminated soil.	Chemosphere 68: 1996-200 (2007)	3.340	1.565	1.409
	Dubey, K.V. et.al.	Biosurfactant Production Potential of New microbial isolates using Combination of Distillery Waste with Other Industrial Wastes.	Special Issue of 'Microbial Biosurfactants /Marine Microbial Biosurfactants' International Open Access Journal of Petroleum & Environmental Biotechnology (2012)	2.83 Index Copernicus Value: 4.84		

	Dubey, K.V. et.al.	Surface-active Properties of Novel Biosurfactants at Extremes of Environmental Conditions useful in Remediation of Pesticides Contaminated Soils	Bioresource Technology 126:368-374 (2012)	5.04	2.013	2.199
	Dubey, K.V. et.al.	Determination of genetic basis for biosurfactant production in distillery and curd whey wastes utilizing <i>Pseudomonas aeruginosa</i> strain BS2	Indian Journal of Biotechnology , 3: 74-81(2004)	0.386	0.631	0.234
	A. A. Juwarkar, K. V. Dubey, A. Nair and S. K. Singh	Bioremediation of multi-metal contaminated soils using Biosurfactants- A novel approach.	Indian Journal of Microbiology 48 (1): 242-246 (2008).	0.988	0.728	0.327
	Dubey, K.V and Charde, P.N.	Surface-active potential of biosurfactants produced in curd whey by <i>Pseudomonas aeruginosa</i> strain-PP2 and <i>Kocuria turfanensis</i> strain-J at extreme environmental conditions	Bioresource Technology 126, 368-374, 2012	5.04	2.463	2.094
Zoology	Mohite, A.S. et.al.	Biology and behaviour of developing stages of fruit sucking moth, <i>Othreis materna</i> Linn. (Lepidoptera: Noctuidae)	Journal of Entomological Research. 28(1):37-45, 2004.	0.35	0.247	0.101

	Mohite, A.S. et.al.	Effect of thermal neutron flux radiation on cephalic neuroendocrine system of the fruit sucking moth, <i>Achaea janata</i> Linn. Lepidoptera: Noctuidae)	Journal of Entomological Research. 28(1):37-45, 2005.	0.35	0.247	0.101
	Mohite, A.S. et.al.	Effect of Chitin Synthesis Inhibitor Diflubenzuron (Dimilin) on neuroendocrine Organs in the Fifth Instar Larvae of <i>Achaea janata</i> (Linn). (Lepidoptera: Noctuidae).	Journal of Advanced Zoology, 27 (1): 8-12, 2006.	0.52	0.576	0.111
	Mohite, A.S. et.al.	Effects of Carbaryl and $\gamma$ -BHC on the Histology of Midgut and Digestive Enzyme Profiles in the Third Instar Larvae of Fruit-sucking Moth, <i>Othreis materna</i> (Linn.) (Lepidoptera: Noctuidae).	Turkish Journal of Zoology, 33(2): 207-213, 2009.	0.68	0.628	0.397
	Mohite, A.S., Charde, P.N., Dorlikar, A.V., Dahegaonkar J.S.	Modified artificial diet and early instar rearing technique for gram pod borer, <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae)	Journal of Entomological Research. 33(3): 227-232, 2009	0.35	0.247	0.101

	Mohite, A.S. et al.	Neuroendocrine effects of Synthetic Pyrethroids, Fenvalerate and Cypermethrin in the third instar larvae <i>Othreis materna</i> (Linn.).	Asian Journal of Experimental Science, 24(1):137-140, 2010	0.17	-	-
	Mohite, A.S., Charde, P.N., Dahegaonkar, J.S. and Dorlikar, A.V.	Temperature Effects on the Rate of Development of Life Stages of Gram Pod Borer, <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae).	Indian journal of Entomology, 73(3): 237-240, 2011	0.31	-	-
	Mohite, A.S., Dahegaonkar, J.S. and Dorlikar, A.V.	Effect of Seed Kernel Oils of <i>Azadirachta indica</i> and <i>Pongamia pinnata</i> on Carbohydrate and protein Contents in Fifth Instar Larvae of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae).	Entomologia Generalis. 34(3), 2013	0.35	0.766	0.317
	Kasambe, R and Charde, P.N.	Rescue and rehabilitation of an Indian Grey Hornbill ( <i>Ocyrceros birostris</i> ) fledgling at Nagpur, Maharashtra.	Newsletter for Birdwatchers, 50 (5): 71-72, 2010	0.25	-	-
	Kasambe, R and Charde, P.N.	Breeding behaviour of Indian Grey Hornbill <i>Ocyrceros birostris</i> in Central India.	The Raffles Bulletin of Zoology, 24: 59-64, 2011	0.36	-	-
	Kasambe, R and Charde, P.N.	Nest sanitation in Indian Grey Hornbill <i>Ocyrceros birostris</i> in Central India.	The Raffles Bulletin of Zoology, 24: 65-67, 2011	0.16	-	-

	Kasambe, R., Charde, P.N. and Yosef, R.	Aerial jousting and bill-grappling in Indian Grey Hornbill ( <i>Ocyceus birostris</i> )	Acta Ethologica 14 (1): 13-15, 2011	1.35	1.287	0.450
	Dorlikar, A.V., Charde, P.N. and Mohite, A.S	Morphometric and Histoarchitectural Changes in the Ovary of <i>Pteropus giganteus</i> (Brunnich) During Various Phases of Reproductive Cycle.	Int'l J. Mol. Zoo., 3 (8); 32-41, 2013	0.11	-	-
	Dorlikar, A.V., Charde, P.N. and Mohite, A.S	Statistical analysis of physicochemical characteristics of Gorewada reservoir, Nagpur (Maharashtra).	International journal of Biotechnology and Biosciences, 3 (4): 220-226, 2013	0.24	-	-

**Books/Chapters in Books published by the faculty since last five years**

Sr. No.	Name of Faculty	Subject	Books published	Chapters in Books	Books Edited
1	Dr. P. N. Charde	Zoology	01	05	-
2	Dr. (Mrs.) S. V. Kulkarni	Botany	03	01	-
3	Dr. (Mrs.) A. S. Mahakalkar	Chemistry	01	-	-
4	Dr. (Mrs.) N. S. Dhoble	Chemistry	10	01	-
5	Dr. V. S. Dongre	Botany	-	01	-
6	Dr. (Mrs.) M. P. Patil	Chemistry	01	01	-
7	Dr. P. R. Bhandari	Microbiology	01	02	-
8	Dr. G. L. Bhoosreddy	Microbiology	04	-	-
9	Dr. (Mrs.) K. V. Dubey	Microbiology	03	03	-
10	Dr. (Mrs.) P. P. Chahande	Chemistry	-	01	-
11	Dr. (Mrs.) R. S. Karanjekar	Zoology	01	01	-
12	Dr. (Mrs.) S. D. Bhoyar	Resource Management	-	-	01
13	Dr. (Mrs.) M. M. Joharapurkar	Food and Nutrition	-	01	-
14	Mrs. A. R. Ratkanthiwar	Human Development	-	01	-
15	Dr. A. P. Lambat	Biology	01	10	-
16	Dr. R. D. Gade war	Biology	-	10	-
17	Dr. (Mrs.) N. A. Tiwade	Textile and Clothing	-	01	-

18	Dr. (Mrs.) H. A. Padole	Textile and Clothing	-	01	-
19	Mr. R. R. Nagpure	Physics (Home Science)	-	02	-
20	Mr. S. G. Meshram	Marathi	-	01	-
21	Dr. S. V. Pise	Marathi	-	01	-
22	Mr. G. S. Kawale	English	-	-	01
23	Ms. R. M. Dhandekar	Political Science	-	01	-

### **Monographs/Patents**

Inventors: 1) Kirti Vijay Dubey 2) Asha Ashok Juwarkar

1. A new process for recovery of Biosurfactant from Distillery Waste  
Application No.:351/DEL/2002 A, filing date: 2002-03-27, Date of publication: 2007-05-04, Patent No.225343.  
This patent has been included in Big Patents India.  
Patent Application Published on 2007-05-04  
No. of Pages: 18, No. of Claims: 11
2. A process for preparation of Biosurfactant useful as Microbial Emulsifier for recovery of oil.  
Application No.:1187/DEL/2002 A, filing date: 23/09/1994, Grant date: 23/01/2004 Patent No.189459  
This patent has been cited in "Mapping of patents on bioemulsifiers and biosurfactant: A review" by Shete et al. in 'Journal of Scientific and Industrial Research' Vol. 65, February-2006, pp.91-115.

### **Books with ISBN/ISSN numbers with details of publishers**

Prof. Pravin Charde and Dr.(Mrs.) R.S. Karanjekar	1) Bird Feather Science, Biotech Books, 2013, ISBN-13: 978-8176222754
Dr. (Mrs.) Sulbha V. Kulkarni	2) A Text Book of Botany: Fungi, Lichen, Plant Pathology and Bryophyta for B.Sc. Sem.-I, Paper-II, Rajni Publication, Nagpur ISBN No. 978-93-83619-17-7 3) A Text Book of Botany: Viruses, Prokaryotes and Algae B.Sc. Sem.-I; Paper-I, Rajni Publication, Nagpur. ISBN No. 978-93-83619-23-8 4) B.Sc. Sem-I: P-I Botany: Viruses, Prokaryotes and algae, CTP, Nagpur, ISBN No. 978-81-89178-50-5.
Dr. (Mrs.)A. S. Mahakalkar and Dr. (Mrs.)M. P. Patil	5) A Text Book Of Chemistry , B.Sc. Semester-IV ISBN: 978-93-81432-48-8, Sai Jyoti Publication Year-2014-15



Dr. (Mrs.) N. S. Dhoble	6) Inorganic Chemistry B.Sc.-I Sem-I ISBN 978-93-81660-63-08 7) Physical Chemistry B.Sc.-I Sem-I ISBN 978-93-81660-72-00 8) Organic Chemistry B.Sc.-I Sem-II ISBN 978-93-81660-79-9 9) Physical Chemistry B.Sc.-I Sem-II ISBN 978-93-81660-77-5 10) Inorganic Chemistry B.Sc.-II Sem-III ISBN 978-93-81660-81-2 11) Organic Chemistry B.Sc.-II Sem-III ISBN 978-93-81660-82-9 12) Inorganic Chemistry B.Sc.-II Sem-IV ISBN 978-93-81660-83-6 13) Physical Chemistry B.Sc.-II Sem-IV ISBN 978-93-81660- 14) 15) Organic Chemistry B.Sc- III Sem V ISBN 978-93-81660-03-5 15) Physical Chemistry B.Sc.-III Sem-V ISBN 978-93-81660-04-2, Das Ganu Publication.
Dr. G. L. Bhoosreddy	16) Basic Immunology, Himalaya Publisher (2012), 81-219-3519-9
Dr. G. L. Bhoosreddy and Dr. (Mrs.) K. V. Dubey	17) Studies on first transition series element stress responses of Escherichia coli, LAP Lambert Academic Publishing ISBN 978-3-659-46159-0 18) Industrial Microbiology, Himalaya Publications (2014), ISBN: 978-93-5142-66-91. 19) Textbook of Microbiology, B.Sc.-SEM-III. Sai Jyoti Publication (2014) ISBN: 978-93-81432-94-5. 20) Textbook of Microbiology B.Sc.-SEM-IV, Sai Jyoti Publication 2015 ISBN: 978-93-81432-65-5

Details regarding Title of Chapter, Name of Book, Publisher, Year of Publication and ISBN No. have been given in the individual departmental profile.

**3.4.4 Provide details (if any) of: Research awards received by the faculty, Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally, Incentives given to faculty for receiving state, national and international recognitions for research contributions.**

- Dr. Pravin Charde, Principal has received Excellence Award at the hands of Hon'ble Chancellor, Maharashtra State for remarkable work in the Committee constituted by the Hon'ble Chancellor for set-up of Biodiversity Park at Raj Bhawan, Nagpur.

- Dr. (Mrs.) K. V. Dubey, Department of Microbiology has received 'Best Researcher Award' in International Conference-2012.
- Dr. (Mrs.) R. S. Karanjekar (Gabhane), Department of Zoology has received 'Young Scientist Award' in International Conference-2012. She has also honoured with 'Outstanding Research Scholar Award' given by University Women Association.
- Dr. P. U. Meshram, Department of Environmental Science has received 'Bharat Shiksha Ratan Award' given by Global Society for Educational Growth, New Delhi, September 2014.
- Mr. S. G. Meshram, Department of Marathi has honoured with 'Mahatma Fule Talent Research Award'
- Four faculty members have been conferred with 'Best Research Paper/Poster Presentation Award' in National/International Conferences.
- Fourteen faculty members have been awarded Ph.D. Degree during last five years.
- Fifteen faculty members are recognized as Ph.D. Supervisor by RTM Nagpur University, Nagpur.
- Certificate of Excellence are given by the institution to the following faculties for their Best Research Contribution.
  - Dr. P. N. Charde for completing maximum number of Major and Minor Research Projects.
  - Dr. (Mrs.) N. S. Dhoble for the publication of research papers with highest Impact Factor and Citation Index.
  - Dr. (Mrs.) K. V. Dubey for Best Consultancy Services'.

### **3.5 Consultancy**

#### **3.5.1 Give details of the systems and strategies for establishing institute-industry interface?**

Some of the departments organize industrial visits and educational tours in order to understand the working of the industries.

#### **3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?**

There is no formal stated policy on consultancy. Faculties shared their experience through personal contact, NGOs and University Constituted Committees. Faculties from some of the department like Microbiology, Zoology, Environmental Science, Chemistry, Botany as well as IQAC Co-ordinator are invited as a consultant. However, the college does not formally advocate or publicize this.

**3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?**

- The institution encourages the faculty members for providing consultancy services using available resources and facilities.
- Particularly Environment Science department provide services in air, water and soil analysis.
- Consultancy services in the form of social work are provided by faculty members of Social Science and Home Science.

**3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.**

- Faculty from Microbiology department provided consultancy service to company and individual researchers and generated revenue of Rs.51,840/-
- Dr. P. N. Charde provided expertise services to Hon'ble Chancellor Constituted Committee Member for establishing the Biodiversity Park at Raj Bhawan, Nagpur.
- Department of Zoology offers consultancy for digital microphotography of histological slides to research students.
- Department of Botany offers consultancy for identification of medicinal plants;
- Department of Food and Nutrition and Home Economics provided consultancy services in diet planning for various age group children, patients, pregnant women and anemic women.
- Department of Music provide service in the form of recitation of welcome song, Vidyapeeth Geet, for all University programmes, conferences, seminars.

**3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?**

There is no stated policy for sharing the income generated through consultancy. However, income generated through consultancy by Microbiology department is shared in the ratio of 60:40 (staff involved: institution). Income generated from consultancy shall be used for the development of department involved in the consultancy work.

**3.6 Extension Activities and Institutional Social Responsibility (ISR)****3.6.1 How does the institution promote institution-neighbourhood community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?**

- The institution is committed to holistic and integrated development of students with aim to make them socially responsible, culturally creative and intellectually sharp.
- Various departments of the college, Science Association, Nature Club and National Service Scheme (NSS) organizes extension activities such as– organization of Blood Donation Camp, celebration of Wildlife Week, Wildlife conservation, awareness rallies, Andhshraddha Nirmulan (Anti-Superstition Functions) Programmes, Health Awareness Programmes are specifically arranged for women in the form of camps, lectures on the topic like Breast Cancer, Cervical Cancer, Eye Check-up Camp, Bone Density Camp, Gender Sensitization Workshop, etc.
- To inculcate the importance of national integrity and patriotism, college celebrates the national festival, birth and death anniversaries of prominent national leaders and social reformers.
- On the occasion of Eye Donation Week, more than 120 students of the institute registered themselves for Eye Donation. One of the teachers along with 26 members of his family has registered for Body Donation and set an example of inspiration for staff and students.
- Guest Lectures and other programmes are arranged throughout the year towards awareness of wildlife, environmental conservation, ecofriendly activities, etc.
- A visit to Old Age Home and donations to orphanage was organized to inculcate the importance of charity.

**3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?**

The Management of Seval Education Society, College teaching/non-teaching staff, NSS and college constituted committees involved themselves along with the students in various social activities through protecting the environment, creating awareness for human rights, inculcating patriotism are the ways in which we promote citizenship education. Cleanliness drive, Andhshraddha Nirmulan Programmes, Nature Club activities, Save Bird Project, organization of lectures and workshops on important issues such as women empowerment and gender sensitization.

**3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?**

Feedback from the students is taken which indicates institutional performance. The institution has Parent-Teacher Association. The parents interact with the Principal and staff to know about their wards performance and quality of education being imparted. Regular meetings of LMC, IQAC and Alumni Association help the college administration to take decisive appropriate steps for overall performance and quality of the institution.

**3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.**

- The college has Science Association, Nature Club, NSS, Cultural Committees, Tour Committee and other related committees which handle the extension and outreach programme. The college prepares a calendar for various extension activities.
- The scope of extension and outreach programmes includes human right, environmental protection, women empowerment, health related issues. The nature of work includes conducting awareness programmes, rallies, health camps, surveys, organization of educational visits and long tours, organization of departmental workshops and celebration of commemorative and important days.

Extension and outreach programmes conducted by the college during last five years are as under:

Session	Outreach Activity
2011-12	1) Best Teacher in Environmental Studies Award Function 2) Celebration of International Year of Chemistry 3) Celebration of World Forestry Day 4) Organization of Blood Donation Camp 5) Organization of Rally to create awareness against female foeticide. 6) Organization of Rally to create awareness about protection and conservation of wildlife. 7) Organization of one long tour and 2 educational tours. 8) Organization of Guest Lectures of Scientists and Academicians under Science Association and Nature Club.

2012-13	<ol style="list-style-type: none"> <li>1) Best Teacher in Environmental Studies Award Function</li> <li>2) Organization of Tree Plantation Programme</li> <li>3) Organization of one long tour and six educational visits.</li> <li>4) Organization of Blood Donation Camp</li> <li>5) Organization of Rally to create awareness about protection and conservation of wildlife.</li> <li>6) Organization of Guest Lectures of Scientists and Academicians under Science Association and Nature Club.</li> </ol>
2013-14	<ol style="list-style-type: none"> <li>1) Best Teacher in Environmental Studies Award Function</li> <li>2) Organization of Cleanliness Drive</li> <li>3) Organization of De-addiction Programme</li> <li>4) Organization of Blood Donation Camp</li> <li>5) Celebration of Wildlife Week and organization of Rally to create awareness about protection and conservation of wildlife.</li> <li>6) Organization of Eye Check-up Camp for parents and college staff</li> <li>7) Participation of staff and students in Vivekanand Centenary Programme.</li> <li>8) Organization of two long tours and four educational visits</li> </ol>
2014-15	<ol style="list-style-type: none"> <li>1) Best Teacher in Environmental Studies Award Function</li> <li>2) Celebration of Wildlife Week and organization of Rally to create awareness about protection and conservation of wildlife.</li> <li>3) Organization of Blood Donation Camp</li> <li>4) Organization of Bird Conservation Programme</li> <li>5) Organization of Sarth Gram Geeta Competition.</li> <li>6) Bone Density Check-up Camp for parents and staff.</li> <li>7) Celebration of World Population Day, Gandhi Jayanti, Savitribai Fule Jayanti, Ambedkar Jayanti, Sulemankhan Pathan Jayanti</li> <li>8) Organization of one long and three short educational excursions.</li> </ol>

The participation and involvement of students help to inculcate moral values, environmental ethics, social responsibilities, good team work and all-round personal development.

### 3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- At the beginning of each academic year the Programme Officer of NSS Unit brief the students about aims and objectives of their activities and subsequently students are enrolled for this unit. Academic and career benefits are also discussed with the participating students.
- Financial assistance and facility of transportation are given to the students and teachers. Financial assistance is given to the students of Science Association and Nature Club for organization of various functions.
- Due recognition is given to the students through awards, certificate and cash prizes to encourage their participation.
- The involvement of teachers in co-curricular, extra-curricular, research and professional development activities are taken into consideration for API score for their career advancement scheme (PBAS). Following are the NSS activities during last four years.

Session	NSS activities
2011-12	<ul style="list-style-type: none"> <li>• Organization of NSS Camp at Raj Bhavan from 4-8<sup>th</sup> November, 2011.</li> <li>• Organization of Blood Donation Camp dated 3<sup>rd</sup> October, 2011</li> <li>• Awareness Rally against Female foeticide dated 22<sup>nd</sup> December 2011</li> <li>• Participation in “Self-Employment and Entrepreneurship Workshop” programme dated 11<sup>th</sup> January, 2012</li> <li>• Poster Exhibition on life of Mahatma Gandhi dated 30<sup>th</sup> January, 2012</li> <li>• Helped in UID Drive (Aadhar Card) of the Central Government (17.06.2011 to 09.07.2011)</li> <li>• Participation of NSS students in one day workshop on “Eradication of Corruption and Social Media” dated 22<sup>nd</sup> December, 2011</li> </ul>
2012-13	<ul style="list-style-type: none"> <li>• Tree plantation at Narsala dated 13<sup>th</sup> August, 2012</li> <li>• Speech by renowned Gandhian by Shri. Lawanji dated 29<sup>th</sup> august, 2012.</li> <li>• NSS camp at Raj Bhawan, Nagpur dated 8-15<sup>th</sup> September, 2012.</li> <li>• Wild life Week celebration dated 1-7<sup>th</sup> October, 2012.</li> <li>• Blood Donation Camp dated 8<sup>th</sup> October, 2012.</li> <li>• Organization of Damini Rally dated 5<sup>th</sup> January, 2013</li> <li>• Participation of NSS students in National Youth Day on occasion of 150<sup>th</sup> Birth Anniversary of Swami Vivekananda dated 12<sup>th</sup> January 2013.</li> </ul>

2013-14	<ul style="list-style-type: none"> <li>• Various functions under 'Cleanliness Drive' to spread awareness among the students dated 9-15<sup>th</sup> August, 2013.</li> <li>• NSS Camp at Raj Bhavan dated 10-17<sup>th</sup> September, 2013.</li> <li>• De-addiction Rally, seminar and sell of addiction related literature dated 2<sup>nd</sup> October, 2013.</li> <li>• Wildlife week celebration dated 1-7<sup>th</sup> October, 2013.</li> <li>• Blood Donation Camp dated 3<sup>rd</sup> October, 2013.</li> <li>• Installation of Artificial Bird Nests dated 5<sup>th</sup> October, 2013.</li> <li>• Wildlife Conservation Awareness Rally dated 7<sup>th</sup> October, 2013.</li> <li>• Debate competition dated 7<sup>th</sup> October, 2013.</li> <li>• Organization of Road Safety Drive dated 9-13<sup>th</sup> December, 2013.</li> <li>• Participation in Youth Festival on the occasion of Vivekananda 151<sup>th</sup> Birth Anniversary dated 12<sup>th</sup> January, 2014.</li> </ul>
2014-15	<ul style="list-style-type: none"> <li>• Organization of Gram Geeta Competition dated 13<sup>th</sup> August, 2014.</li> <li>• Wildlife Week Celebration:               <ol style="list-style-type: none"> <li>1. Bird watching Nest installation dated 1<sup>st</sup> October, 2014</li> <li>2. Cleanliness Drive dated 2<sup>nd</sup> October, 2014</li> <li>3. Debate competition dated 7<sup>th</sup> October, 2014</li> <li>4. Blood donation camp dated 7<sup>th</sup> October, 2014</li> </ol> </li> <li>• Participation in Youth festival dated 25<sup>th</sup> February, 2015.</li> <li>• Save Bird Project: Installation of new Nests dated 23<sup>rd</sup> March, 2015.</li> </ul>

**3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?**

- Faculty of Microbiology Department organized community based research activity i.e. distribution of biofertilizers to the farmers to be used in their agriculture practice.
- Faculties from Chemistry department conducted analysis of potable water at Hudkeshwar village and corrective measures were suggested to the villagers.
- Donations to orphanage from contribution of staff members.
- Surveys were conducted by Home Economics and Food & Nutrition Department on maternal nutritional status.
- Blood donation camp is organized every year which is a noble activity conducted in the institution.
- Fee concession and stipend is given to underprivileged (SC/ST) students in computer training programmes offered by the institution.



**3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.**

- Extension activity and social outreach programmes are integral part of college education which inculcates a sense of social responsibility amongst the students. The college takes several steps towards making classroom learning more effective by linking it to the real world outside.
- Students developed several skills among themselves like organizational skills, team work, mutual cooperation and research skills.
- Universal and enduring values like democracy, peace, justice, equality, tolerance and cooperation are inculcated through these programmes.
- Students of Home Science learned the skill of food and catering services, event management, fashion designing and interior decoration skills through various workshops. This also provides a platform for women entrepreneurship.

**3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?**

- Community participation is ensured in all extension activities. Programmes or activities are undertaken keeping in mind the community needs.
- Eye Check-up Camp as well as Bone Density determination camps were organized by the institution for the parents and staff.
- Blood Donation Camps was organized every year, cleanliness drive, environmental protection drive, ensures the participation of community.
- Departmental activity like distribution of biofertilizers to farmers was undertaken for benefit and upliftment of the community.

**3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.**

Neighbourhood social organization helps the college in creating awareness among the students regarding social problems. Some of the outcomes of such relationship with other social institutions are as under:

- Lions Club (South)- Organization of various programmes and leadership development.
- Andhshraddha Nirmulan Samiti, Nagpur Chapter- Organization of different Andhashraddha Nirmulan programmes.
- Warbhe blood Bank and Hedgewar blood banks- Organization of blood donation camps.
- Police Station, Sakkardara for smooth organization and conduction of various rallies organized by the institution.
- Hobby clubs for organization of students workshops.
- Department of Forest, Maharashtra State- Organization of Wildlife Week functions.

**3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.**

- Dr. Pravin Charde Principal received Excellence Award at the hands of Hon'ble Chancellor, Maharashtra State for remarkable work on Committee constituted for set-up of Biodiversity Park at Raj Bhawan.
- Institution has received words of appreciation from Forest Department for organization of Wildlife Week every year, appreciation from Lions Club for organization of Blood Donation Camps.

**3.7 Collaboration**

**3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives – collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.**

- Faculty of Microbiology department established research collaboration with NEERI which provided instrumental facilities and knowledge base for different analysis to be carried out under UCC sponsored projects. The joint research outcome were published in the journals of repute NEERI was also instrumental in providing consultancy services to the college for Japanese company.
- Faculty of chemistry has established research collaborations with  
i) Department of Advanced Materials Engineering, Seoul, South Korea  
ii) IUAC, New Delhi  
iii) Bhabha Atomic Research Centre, Mumbai  
iv) Physics Department, Nagpur University, Nagpur. The collaborative research is in the form of successful completion of Major research project (BRNS) and publications in the international journals of repute.

- Research collaborations of different faculties with institution/ departments have been published in the form of research papers in various journals.
- Research Academy established in the institution has Research supervisors of other institutes who provide research expertise in various disciplines for research.
- The visits to various research laboratories/institutions are organized as a regular feature for interaction.viz. Remote Sensing Laboratory, Agmark Laboratory, Forensic Science Lab, Regional Meterological Centre, Nagpur. NEERI, and many more.

**3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.**

- International Birding and Research Centre in Eliat, Israel.
- Mongolian Ornithological Society, National University, Mongolia.
- Department of Advanced Materials Engineering, Seoul, South Korea.
- National Environmental Engineering Research Institute, Nagpur.
- Inter University Accelerator Centre, New Delhi.
- Bhabha Atomic Research Centre, Mumbai.
- National Physical Laboratory, New Delhi.
- PG Department of Physics, RTM Nagpur University, Nagpur
- Dr. Ambedkar College, Diksha Bhoomi, Nagpur.
- Shri Shivaji Science College, Nagpur.
- National Association for Disabled, Nagpur.
- Lions Club of Medicos, Nagpur
- Nagpur District Amateur Aquatic Association Nagpur.
- Paryavaran Pratham - NGO working in the field of EHS awareness.
- Abhijeet Mane, Development Director, Shubh Yatra Tourism, Nagpur.
- Nag vidarbha Charka Sangh, Mul, District, Chandrapur.
- Dr. Shital Watile, Secretary, Jagadamba College of Engineering and Technology, Yavatmal.
- Data Tech Systems, Manewada Road, Nagpur.
- Satpuda Foundation, Amravati.
- Andhashradha Nirmulan Samiti, Nagpur Chapter, Nagpur.
- Department of Physical Education, Shri M.M. Science College, Nagpur.

**3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.**

Nil

**3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.**

S. N.	Title of Conference/ Seminar/Workshop	Level (National/ International/ State etc	Invited Resource Persons: Name, Subject, Topic of lecture, University address
1	II <sup>nd</sup> World Congress for Man and Nature-2012 'Global Change: Impact on Biodiversity, Culture and Technology dated 3 <sup>rd</sup> -5 <sup>th</sup> November, 2012	International	1) Prof. Reuven Yosef, Director, International Birding and Research Centre, Eilat (Israel). 2) Dr. H. F. Daginawala, Senior Scientist, CIIMS, Nagpur. 3) Dr. Mrs. A. Juwarkar, Deputy Director, NEERI, Nagpur. 4) Dr. Mrs. Varsha Sagdeo, Cancer Specialist, Radhakrishna Hospital, Nagpur. 5) Dr. Pradip Aglawe, Professor, Nagpur. 6) Dr. Erach Bharucha, Chairman, Biodiversity Board, Pune. 7) Dr. R. C. Gupta, Professor, Nagaland. 8) Dr. V. R. Chumbhale, Scientist, Pune. 9) Dr. C. B. Powar, Ex.Principal, Nagpur. 10) Dr. S. B. Nandeshwar, Scientist, CICR, Nagpur. 11) Dr. Dimpal Kulkarni, Textile Consultant, Nagpur. 12) Dr. S. P. Dutta, Professor, Jammu.

			<p>13) Dr. Aremu Sahid, Nigeria.</p> <p>14) Dr. P. S. G. Kumar, Ex. Professor, Nagpur.</p> <p>15) Dr. G. N. Wankhede, Professor, Amravati.</p> <p>16) Dr. R. Prakashan, Professor, Kerala.</p> <p>17) Dr. Dilip Peshwe, Professor, VNIT.</p> <p>18) Dr. D. S. Ramteke, Sr. Scientist, NEERI, Nagpur.</p>
2	<p>1<sup>st</sup> International Congress on Science and Technology for Society, Bangkok, Thailand in association with Vishwashanti Multipurpose Society, Nagpur dated 23<sup>rd</sup>-25<sup>th</sup> May, 2014</p>	International	<p>1) Imbad Ali Budhio, Mehran University of Engineering and Technology, Pakistan.</p> <p>2) Dr. Suchana Chavinis, USA.</p> <p>3) Dr. R. Thanat, Bangkok University, Bangkok.</p> <p>4) Dr. Dilip Patil, Joint Director, Higher education, Nagpur.</p> <p>5) Dr. Nitin Datta, Bangkok.</p> <p>6) Dr. Anil Kubde, PDKV Agriculture University, Akola.</p> <p>7) Dr. Md. Kaleen Zia, Department of Urdu, Mumbai University, Mumbai.</p>
3	<p>II<sup>nd</sup> International Conference on Science and Technology, Colombo, Sri Lanka in association with Vishwashanti Multipurpose Society, Nagpur dated 19<sup>th</sup> -21<sup>st</sup> May, 2015</p>	International	<p>1) Dr. Veranja Karunaratna, SriLanka.</p> <p>2) Dr. Nimal Adhikaran, SriLanka.</p> <p>3) Ar. Ariyaratne Herath, Dy. Director, INRC, Economics and Management, SriLanka.</p> <p>4) Athurialiya Rathana, Thero, SriLanka.</p> <p>5) Prof. Sudeera Kalupahana, SriLanka.</p> <p>6) Dr. Nanda Gunwardhana, SriLanka.</p> <p>7) Dr. A. B. Dongre, Scientist, CICR, Nagpur.</p> <p>8) Dr. Santosh Sagar, Nagpur.</p>

4	1 <sup>st</sup> International Conference on Science, Engineering and Technology for Academics, Industries and Society, Dubai in association with Vishwashanti Multipurpose Society, Nagpur and Birla Institute of Technology, Ras al Khaimah, UAE (Dubai), 21 <sup>st</sup> -23 <sup>rd</sup> November, 2015	International	<ol style="list-style-type: none"> <li>1) Dr. Vijay Bhatkar, Scientist, India.</li> <li>2) Prof Lalji Singh, India</li> <li>3) Dr. Souraj Salah, CEO, Juma Al Mazid Group, UAE.</li> <li>4) Dr. Sanjay Sood, RAK Medical &amp; Health Science University, UAE.</li> <li>5) Dr. P. K. Upadhaya, BITS, RAK, UAE.</li> <li>6) Dr. Kavita Tiwari, BITS, RAK, UAE.</li> <li>7) Dr. G. R. Bamnote, Dean, SGBAU, Amravati.</li> <li>8) Dr. (Mrs.) Arati Saoji, Ex. Prof., Institute of Science, Nagpur.</li> <li>9) Prof Prashant T. BITS, RAK, UAE.</li> <li>10) Dr. William Jones, Academic Dean, SBS, UAE Campus.</li> </ol>
5	Significance of Language and Social Science in the Age of Information Technology dated 4 <sup>th</sup> September, 2015	National	<ol style="list-style-type: none"> <li>1) Dr. Jagan Karade, Kolhapur.</li> <li>2) Dr. Shailendra Lende, Nagpur.</li> <li>3) Dr. Rahul Bhagat, Tumsar.</li> <li>4) Dr. Sunita Bhale, Indira Kala Vishwa University, Khairagarh (C.G.).</li> <li>5) Dr. (Mrs.) Hirwade, Nagpur.</li> <li>6) Dr. Neeta Shah, Nagpur.</li> </ol>
6	National Conference on Recent Trends in Life Sciences, Material Sciences and Home Sciences dated 4 <sup>th</sup> October, 2015	National	<ol style="list-style-type: none"> <li>1) Dr. Satish Wate, Director, NEERI, Nagpur.</li> <li>2) Dr. P. Shivswaroop, Regional Director, IGNOU, Nagpur.</li> <li>3) Prof N. S. Gajbhiye, IIT, Kanpur.</li> <li>4) Prof Mrs. Armaiti Shukla, SNDT-SVC, Mumbai.</li> <li>5) Prof Mrs. Anuradha Mitra, Nirmala Niketan College, Mumbai.</li> <li>6) Dr. Milind Sardesai, Aurangabad.</li> <li>7) Dr. D. R. Peshwe, VNIT, Nagpur.</li> <li>8) Dr. Manoj S. Patil, Veterinary College, Nagpur.</li> </ol>

**3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -**

**a) Curriculum development/enrichment**

The curriculum is developed by Board of Studies of RTM Nagpur University in various subjects. Some faculty members being a Chairperson or members of Board of Studies contribute towards curriculum development. The faculty members framed the curriculum of UGC sponsored or self-funded certificate and diploma courses.

**b) Internship/ On-the-job training**

Nil

**c) Summer placement**

Nil

**d) Faculty exchange and professional development**

Collaborations with Vishwashanti Multipurpose Society, Jagdambha College of Engineering and Technology, Satpuda Foundation resulted into faculty exchange in order to organize International conferences and participation of the faculty members in nature conservation programmes, respectively.

**e) Research**

Research collaboration of Dr. P. N. Charde, Principal, Dr. (Mrs.) N. S. Dhoble of Department of Chemistry and Dr. (Mrs.) K. V. Dubey of Department of Microbiology has resulted into collaborative research work with other institutions. Such collaborations increase the number of publications in National/International Journals of repute.

**f) Consultancy**

Research collaboration with NEERI facilitated consultancy services provided by Department of Microbiology.

**g) Extension**

Numbers of extension activities are undertaken through social linkages.

**h) Publication**

Number of publications in National/International Journals and Conference proceedings has been increased with development of linkages and collaboration with other research institutions, PG Departments of University and other colleges.

**i) Student Placement**

Nil

**j) Twinning programmes**

Nil

**k) Introduction of new courses**

Department of Chemistry and Microbiology have been recognized as Higher Learning and Research Centre by RTM Nagpur University, Nagpur.

**l) Student exchange**

Nil

**m) Any other**

Proposal submitted to IGNOU to start study centre.

**3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.**

Staff members of various faculties of the institution have initiated efforts to establish collaborations with various institutions such as computer institute; academic institutions like Shri Shivaji Science College, Nagpur; Shri M.M. College, Nagpur; Jagdamba College of Engineering and Technology, Yavatmal; NGOs like Paryawaran Pratham, Nagpur; Satpuda Foundation, Amravati; tourism companies, sports club, etc. with the aim to avail opportunities for students and staff to work in the field of environment awareness activity, to undertake extension activity, organization of research activity and students placement. Most of the MoUs are in infancy stage and inter-collaborative activity shall enhance over the time period and hope to propel various extension activities that support holistic development of the institution.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

■■■



## **CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**

### **4.1 Physical Facilities**

#### **4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?**

- The policy of the college regarding infrastructure is consistent with the needs that arises as a result of academic development.
- To meet the need of updating, creating, renovation of infrastructure, to support quality education and promote good teaching-learning environment.
- Optimum utilization of infrastructural resources to carry out curricular, co-curricular and extra-curricular activities.
- The proposal from the departments regarding the creation or renovation of infrastructural facilities is discussed in the meeting of IQAC. Then it is placed before LMC for approval.
- Funds for creation or renovation of infrastructural facilities are utilized from resources like developmental grants from UGC. The management also provides funds for the execution of infrastructural enhancement.

#### **4.1.2 Detail the facilities available for**

- a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**
  - b) Extra-curricular activities– sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.**
- The college has excellent infrastructural facilities for teaching and learning. The total built up area of the institution is 4419.73 sq. mt. provides adequate infrastructural facilities for academic, administrative and examination related activities.
  - The college has sufficient number of classrooms which are well ventilated with spacious sitting arrangement. In all the classrooms having advanced teaching aids like LCD projectors.
  - All Science and Home Science departments are provided with well equipped laboratories and some of them are ICT supported.
  - Department of Microbiology and Zoology have special research facility including central instrumentation with high end research equipment.

- Other teaching-learning facility includes computer laboratory, computer-internet zone for students in library and language laboratory. Language laboratory has been established with digital multimedia language laboratory platform with Tense Buster Compilation and study skill success software.
- Zoology department has museum with good collection of specimens and slides. The campus has small botanical garden too.
- The institution has spacious auditorium for organizing Seminars/ Conference and other social functions like annual social gathering, popular talks and workshops. The college has one seminar hall used to host staff council meeting, Guest Lectures, workshops, student's seminars, debate and elocution competition and group discussion.
- College has NSS unit of 150 students. This unit conducted various activities of social significance.
- To promote the sports activities the institution has maintained play ground with an area of 3000 sq.mt. with the facilities of outdoor games such as Volleyball, Kho-kho and Kabaddi. The institution has facilities for indoor games like Table Tennis, Carrom and Chess.
- Canteen and gymnasium facility is available for students and staff.

Floor and area wise building plan of the college is as under:

Sr. No.	Facility	Built-up area in sq. mts. with passage
	<b>GROUND FLOOR</b>	
1	Guest Room	27.90
2	President's Office	55.80
3	Central Library	191.69
4	Credit Co-op. Society Office	43.43
5	HOD, Textile and Clothing	31.63
6	Laboratory of Textile and Clothing Department	31.63
7	Classroom	31.63
8	Examination Room	31.63
9	Store Room	39.06
10	Central Computer Department	69.76
11	Physical Education Department and Gymnasium	65.11
	<b>FIRST FLOOR</b>	
12	Auditorium Changing Room	34.41
13	Auditorium	337.67
14	Principal's Office	91.15
15	Principal's Office	80.92
16	Staff Room, Social Science	53.94
17	Seminar Room	102.31
18	Language Laboratory	53.94
19	UG Laboratory - Environment Science Department	80.92
20	Instrumentation Room	54.64
21	PG Laboratory - Environment Science Department	109.76
22	HOD and Staff Room- Environment Science Department	27.03

23	UG Laboratory – Zoology Department	80.92
24	Research Laboratory - Zoology Department	61.39
25	HOD – Zoology Department, Central Instrumentation Room and Department of Ornithology	79.99
26	P.G. Laboratory – Zoology Department	107.89
27	Staff Room - Zoology Department	26.97
28	Museum - Zoology Department	53.94
	<b>SECOND FLOOR</b>	
29	Research Laboratory – Microbiology Department	68.83
30	UG Laboratory - Microbiology Department	103.25
31	UG Laboratory – Biotechnology Department	103.25
32	UG Laboratory – Biochemistry Department	103.25
33	P.G. Diploma in Environmental Biotechnology	85.57
34	HOD – Microbiology Department	13.95
35	Music Department	80.92
36	Laboratory – Human Development	48.37
37	Laboratory – Resource Management	53.94
38	HOD and Staff – Botany Department	26.97
39	Laboratory – Botany Department	80.92
40	Laboratory – Psychology and Geography	51.15
41	Class Room	80.92
42	Class Room	107.89
43	Class Room	107.89
44	Laboratory – Biology and Chemistry Department (Home Science)	80.92
45	Staff Room – Chemistry Department	26.97
46	UG Laboratory - Chemistry Department	107.89
47	HOD - Chemistry Department	17.61
48	PG Laboratory - Chemistry Department	71.60
49	Store Room - Chemistry Department	26.97
	<b>THIRD FLOOR</b>	
50	Class Room	137.66
51	Class Room	103.02
52	Class Room	103.02
53	Class Room	65.11
54	Class Room	31.99
55	Laboratory - Food and Nutrition Department	99.52
56	Class Room	107.89
57	Class Room	107.89
58	Class Room	51.15
59	Laboratory - Food and Nutrition & Home Eco. Department	56.94
60	Staff Room–Biology and Chemistry (Home Science)	26.97
61	Laboratory - Project	5.02
62	Laboratory - Extension Department (Home Science)	37.20
63	Laboratory – Physics Department	74.41
64	Class Room	37.20
65	Students Centre	139.53
66	Canteen	139.53

**4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).**

Inputs from the departments and time table committee ensure that the available infrastructure is optimally used. The college has established in 1992. Since then it is striving hard in terms of academic and infrastructural growth. In course of time, infrastructure is added as per the requirement. The infrastructural facilities developed/augmented and amount spend during last four years is as under.

Session	In frastructural facility developed	Source of fund		Total expenditure
		Govt. grants/ fees from non-grant section/ parent society	UGC	
2011-12	Construction	75,875	1,10,900	1,86,775
	Renovation	-	38,750	38,750
	Purchase Equipments/ Chemicals/Computers	3,29,153	7,75,405	11,04,558
	Furniture	11,200	-	11,200/-
	Any other	1,65,000	-	1,65,000
2012-13	Construction	-	55,000	55,000
	Renovation	-	1,05,000	1,05,000
	Purchase Equipments/ Chemicals/Computers	4,83,125	26,61,602	31,44,727
	Any other	1,05,433	-	1,05,433
2013-14	Construction	81,903	-	81,903
	Renovation	-	20,000	20,000
	Purchase Equipments/ Chemicals/Computers	6,06,143	4,71,870	10,78,013
	Any other	1,00,288	-	1,00,288
2014-15	Construction	44,202	49,500	93,702
	Renovation	21,736	1,43,535	1,65,271
	Purchase Equipments/ Chemicals/Computers	4,75,923	2,70,404	7,46,327
	Any other	1,09,160	-	1,09,160
	<b>TOTAL</b>	<b>26,09,141</b>	<b>47,01,966</b>	<b>73,11,107</b>

- Sevadal Mahila Mahavidyalaya is a tri-faculty (Science, Home Science and Arts) College. The academic session for Arts faculty begins at 7.30 am. in the morning, while Science and Home Science begins at 9.30 am. Proper care is taken to avoid overlaps in the timings of lectures and practicals in time-table. There are separate laboratories for all Science and Home Science subjects.

- The infrastructure specifically, classrooms and laboratories are utilized throughout the day from 7.30 am. to 5.30 pm.
- College allows external agencies connected with academic and recruitment such as NET/SET/RBI/SBI/Railway Recruitment Board and State Competitive examinations to conduct their examinations on Sundays.
- RTM Nagpur University utilized college infrastructure to conduct theory and practical examinations.

**4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?**

There is no infrastructural facility for blind students. The college does not give admissions to blind students. At present there are students with partial physical disabilities. Construction of ramp is under the consideration of the management.

**4.1.5 Give details on the residential facility and various provisions available within them:**

**☐ Hostel Facility – Accommodation available**

- Girl's Hostel with the capacity of 60 students.
- Students room with adequate ventilation, guest room, recreational facilities and 24 hours security guard.
- Residential facility for warden and security guard.

**☐ Recreational facilities, gymnasium, yoga center, etc.**

- Recreational facility includes TV, play ground for Volleyball, indoor games like Table Tennis, Chess, Carrom.

**☐ Computer facility including access to internet in hostel**

- There are three computers with internet facility through dongle, available in warden's room.

**☐ Facilities for medical emergencies**

- There is a first-aid material with common medicines, common BP apparatus, thermometer, and nebulizer. Medical facilities are made available from nearby hospitals in case of emergency. Parents are informed immediately.

**☐ Library facility in the hostels**

Hostel has reading room with newspaper and magazines

**☐ Recreational facility-common room with audio-visual Equipments**

**☐ Available residential facility for the staff and occupancy  
Constant supply of safe drinking water**

**☐ Security**

**4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?**

- Medical reimbursement for staff and their family.
- Health check-up camps are arranged for staff and parents of students.
- First-aid facilities available for staff and students of the college. In case of emergency, the medical help is taken from nearby hospitals and medical practitioners.

**4.1.7 Give details of the Common Facilities available on the campus – spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.**

- The college has spacious auditorium for extracurricular activities, common room for students.
- A separate space for IQAC having area 22 sq.mt. It has basic furniture such as cupboards, computer with printer and internet facilities. It has sitting arrangement for 15 peoples.
- Space for counseling and career guidance is available in the department of Human Development of Home Science faculty. Similarly, space for placement cell is located at Department of Microbiology.
- Health care and canteen facilities are also made available by allocating space. Safe drinking water is available for staff and students.

**4.2 Library as a Learning Resource**

**4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?**

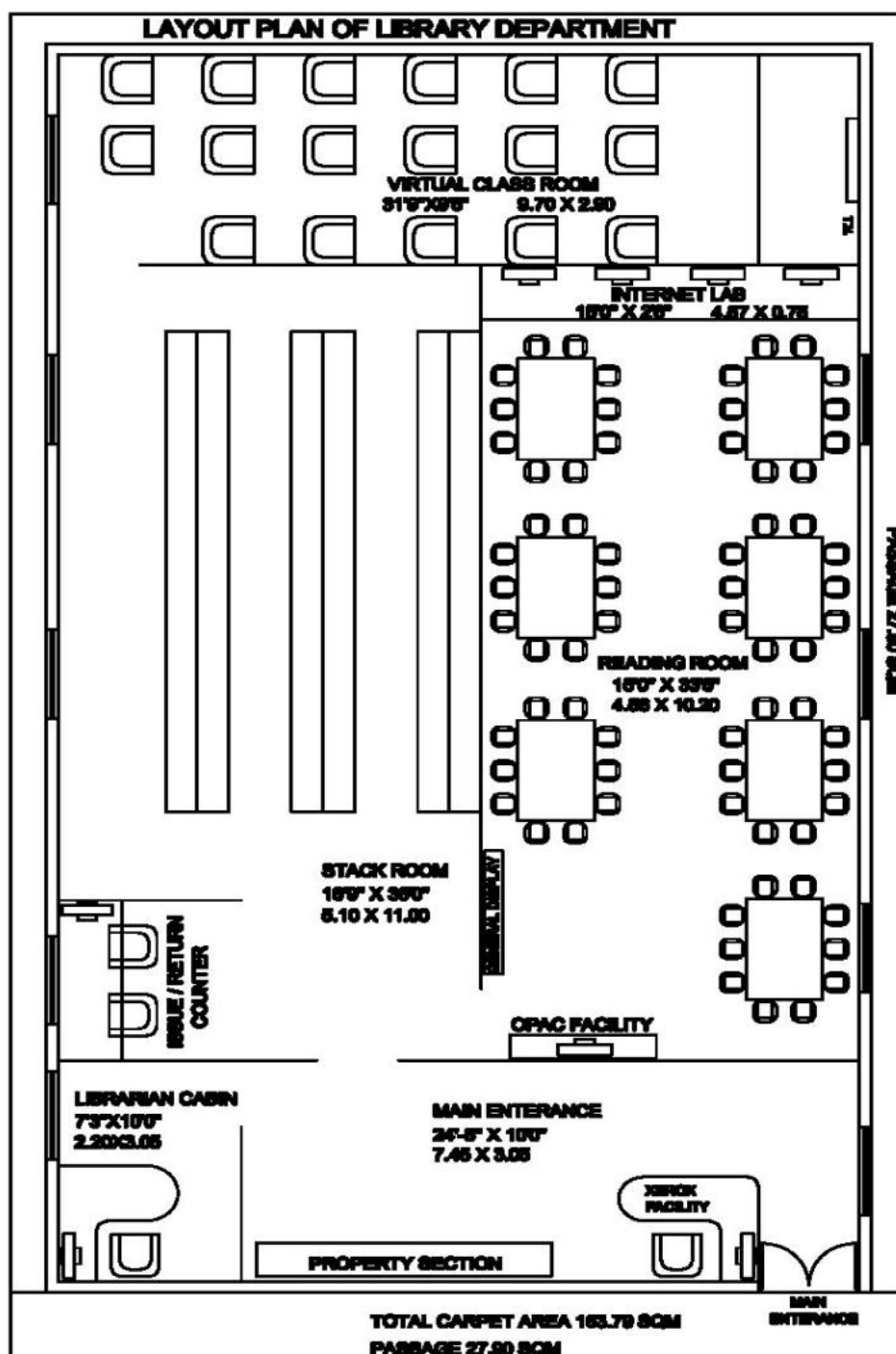
Yes, the library has an Advisory Committee comprising of Principal as Chairperson, Librarian as Secretary and Members are, In-Charge of the Science, Home Science and Arts faculties. Library Advisory Committee formulates the guidelines of library. Some of the significant initiatives by the Committee are

- 1) Computerization of Library activity, provision of online public access catalogue.
- 2) To establish a online open access resources in the library with sufficient number of computers.
- 3) Free internet facility for staff and students. Access to E-Journals and online database facility and N-LIST INFLIBNET facility.

- 4) Bar coding of the library books.
- 5) Best Library User Award to the students in order to encourage the maximum utilization of library resources.
- 6) Organization of library orientation programmes for first year students, Guest Lectures for students on job opportunities and career options, orientation programme for staff on use of e-resources and organization of book exhibitions.

**4.2.2 Provide details of the following; Total area of the library (in Sq. Mts.) Total seating capacity; Working hours (on working days, on holidays, before examination days, during examination days, during vacation); Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

1	Total area of the library (in sq.mt.)	191.69 sq. mt.	
2	Total seating capacity		60
3	Working hours	On working days	09.30 am.– 5.30 pm.
		On holidays	09.30 am.– 5.30 pm.
		Before Examination Days	09.30 am.– 5.30 pm.
		During Examination Days	09.30 am.– 5.30 pm.
		During Vacation	10.30 am.– 5.30 pm.
4	Layout of the library	Individual reading carrels (Students capacity : area in sq. mt.)	46.71 sq.mt.
		Property section and Reprography facility	22.72 sq.mt.
		Virtual class room	28.13. sq.mt.
		IT zone for accessing e-resources (area in sq. mt.)	3.42 sq.mt.
		Store/staking area (area in sq. mt.)	56.10 sq. mt.
		Librarian Cabin (area in sq. mt.)	6.71 sq.mt.
		Passage	27.90 sq.mt





**4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.**

The college makes budgetary provision allocation to all the departments of Science faculty as well as Home Science and Arts faculties for procuring books, reference books and journals. Requisitions are invited from Head of the Departments for purchase of new books. Apart from this, book publisher and suppliers visit the library and departments with latest titles. The Library Advisory Committee sanctions the list of books/reading materials for purchase. Purchase orders are then issued to booksellers and new titles are procured. The amount spent on books/reference books/journals for the last four years is as follows.

Library holdings	2011-12		2012-13		2013-14		2014-15	
	Number	Total cost	Number	Total cost	Number	Total cost	Number	Total cost
Text books	222	86423	604	342202	261	67990	328	87959
Reference books	-	-	05	8846	-	-	-	-
Journals	30	36180	26	35240	18	21510	18	27710
Periodicals/ Magazines	17	2848	10	2579	10	2770	15	2544
e-Resources	N-LIST	5000	N-LIST	5000	N-LIST	5000	N-LIST	5000
Any other	-	-	-	-	-	-	-	-

**4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?**

Details on the ICT and other tools deployed to provide maximum access to the library collection.

1	OPAC	Open Public Access Catalogue is available
2	Electronic Resource Management package for e-journals	Available through UGC N-LIST INFLIBNET
3	Federated searching tools to search articles in multiple	-
4	Databases	-
5	Library Website	Webpage on college website
6	In-house/remote access to e-publications	Available through UGC N-LIST INFLIBNET
7	Library automation	LIBMAN Software, Barcode, OPAC
8	Total number of computers for students access	05
9	Total numbers of printers	01
10	Internet band width/ speed 2mbps 10 mbps 1 gb (GB)	100 mbps
11	Institutional Repository	-
12	Content management system for e-learning	
13	Participation in Resource sharing networks/consortia (like Inffibnet)	N-LIST INFLIBNET

**4.2.5 Provide details on the following items:**

1	Average number of walk-ins (per day)	20-25
2	Average number of books issued/returned (per day)	30-40
3	Ratio of library books to students enrolled	10:1
4	Average number of books added during last three years	397
5	Average number of login to opac (OPAC) (per day)	10-15
6	Average number of login to e-resources (per day)	8-10
7	Average number of e-resources downloaded/printed	-
8	Number of information literacy trainings organized	5
9	Details of “weeding out” of books and other materials	Old newspapers are sold out yearly. Old syllabus discarded out

**4.2.6 Give details of the specialized services provided by the library**

1	Manuscripts	-
2	Reference	-
3	Reprography	Available with concessional rate
4	ILL (Inter Library Loan Service)	-
5	Information deployment and notification (Information Deployment and Notification)	Information display board at prominent location.
6	Download	Internet download facility available
7	Printing	Not available
8	Reading list/ Bibliography compilation	Yes
9	In-house/remote access to e-resources	Available through N-LIST INFLIBNET
10	User Orientation and awareness	Orientation programme for first year students.
11	Assistance in searching Databases	Available
12	INFLIBNET/IUC facilities	Available

**4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.**

- Support for locating library books and journals are provided by the library staff. Help is also rendered in searching for titles through OPAC system to the users.
- There is a separate book issuing and return counter.
- Newspapers, magazines, periodicals and other reading materials are available for teachers and students.
- The catalogues of various publishers are made available to the Head of the Department and staff for purchasing the new books.
- Any other assistant pertaining to learning resources are also provided to users.

**4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.**

The physically challenged students, if any, are given top priority and support.

**4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)**

Suggestion register is available at the entrance of the library. The users put their suggestions in the suggestion box. Feedback is obtained from the students through personal discussion with the librarian and mentor teachers. Staff member also gives their opinion, if any for the improvement of library services.

**4.3 IT Infrastructure****4.3.1. Give details on the computing facility available (hardware and software) at the institution.**

**□ Number of computers with Configuration (provide actual number with exact configuration of each available system)**

- Total No. of Desktop Computers : 78
- Total No. of Laptop : 27
- Computer student ratio in Computer Science Department : 2:1
- Wi-Fi facility : Yes
- Number of Nodes/computers with internet facility: 08
- LAN Facility : Yes
- Configuration of Computers:

S.N.	Configuration of the Computers/ Laptops	Total No. of Computers
1	Intel Atom 220 CPU / 1 GB RAM, 160 GB HDD / 18.5" TFT Monitor, Keyboard / Mouse / WOFI / LAN / Card Reader / DVD Writer / Web Cam / Bluetooth / Windows XP Home (OEM)	15 Computers
2	Windows XP Professional 32 Bit SP/SP2/SP3, Dual Core CPU, DDR-2/DDR-3 RAM, Intel Pentium Mother Board 150 GB Storage CD ROM	58 Computers
3	Windows XP Professional 32-Bit SP/SP-2, SP-3, Dual Core CPU, DDR-2/DDR-3 RAM, Intel Pentium Mother Board, 150 GB Storage CD ROM	23 Laptops
4	Intel C2D @ 2.1 GHZ CPU / 2 GB DDr 3 RAM/ 320 GB HDD / 15" TFT Screen / WIFI / LAN / DVD Writer / Carry Case / Dos	03 Laptops
5	Windows XP Professional 32-bit SP / SP2 / SP3, Dual Core CPU, DDR-2 / DDR-3 RAM, Intel Pentium Mother Board, 150 GB Storage, CD ROM	05 Computers and 1 Laptop

- Licensed softwares :

S. N.	Licensed Software	Users
1	Windows Professional	15
2	Microsoft Office-2007	15
3	Visual Studio	15
4	Oracle	15
5	Microsoft Visual Studio	02
6	Adobe Pagemaker	01
7	Shree Lipi Software	01
8	Kruti Dev Lipi	01
9	ISM Office	01
10	Windows Academic Paper Licence	15
11	Academic Office-2010	15

- Total No. of Scanners: 05, Printers – 12, LCD Projectors – 12, Xerox Machine – 03, CCTV Camera – 4 Nos.

**4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?**

The college has two central computing facility centres with 28 computers. All these computers are with internet connectivity.

**4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

The institution intends to update the computers with latest configuration. The institution has plans to purchase new hardware and software. Every year some funds shall be allocated for the above purpose.

**4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)**

In the annual budget, the college makes provision for procurement, upgradation and maintenance of computers and their accessories. The budget allocation during the last four years is as given below:

Annual Budget for Computers and their accessories and maintenance					
Session	2010-11	2011-12	2012-13	2013-14	2014-15
Procurement	1,05,000/-	1,05,000/-	90,000/-	90,000/-	90,000/-
AMC	1,00,000/-	1,00,000/-	1,20,000/-	1,30,000/-	1,40,000/-

Amounts spent on purchasing the computer since last five years.

Sr. No.	Year	Grant Section	Non-Grant Section	UGC	Total Expenditure
1	2010-11	1,19,883	8,400	9,16,803	10,45,086
2	2011-12	-	23,451	4,68,402	4,91,853
3	2012-13	-	77,375	12,53,602	13,30,977
4	2013-14	-	3,39,025	4,71,870	8,10,895
5	2014-15	11,775	-	2,70,404	2,82,179
	<b>TOTAL</b>	1,31,658	4,48,251	33,81,081	39,60,990

**4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?**

All the Science and Home Science departments have been provided with computers/laptop with net connectivity. Teachers prepare their own PowerPoint presentation and course materials which are provided to students. Resources from various websites/web-links are used by the teachers for regular teaching-learning process.

**4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.**

- The college has provided the necessary infrastructural facility in terms of computers, net connectivity, LCD Projectors in most of the classrooms and some laboratories too.
- Teachers are oriented for use of ICT. Teachers have prepared their own resource material in the form of PowerPoint presentation and notes on the topic. These resources are made available for the students.
- The faculty members are encouraged to use e-learning resources.

**4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?**

The college does not avail National Knowledge Network connectivity.

**4.4 Maintenance of Campus Facilities**

**4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)? four years)?**

- Amount spend during the last four years for maintenance of infrastructural facilities

Maintenance Head	2011-12	2012-13	2013-14	2014-15
Building	75,874/-	30,000/-	81,903/-	44,202/-
Furniture	20,000/-	20,000/-	25,000/-	30,000/-
Equipment	10,000/-	10,000/-	10,000/-	10,000/-
Computers	1,10,000/-	1,10,000/-	1,20,000/-	1,30,000/-
Vehicles	16,552/-	8,918/-	10,455/-	8,050/-
Total	2,32,426/-	1,78,918/-	2,47,358/-	2,22,252/-

**4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?**

- A provision is made in financial budget for the maintenance/minor repairs of furniture and equipments.
- Day-to-Day cleaning is carried out by outsources.
- The maintenance of laboratory equipments, repairs, etc. is executed by concerning Head of the Department using budget allocated to the department.
- For maintenance of computers and networking facility, annual maintenance contract is followed as accordingly budget allocation is made.
- Management of Sevadal Education Society undertakes the construction and repair of major infrastructure.
- The college maintained the infrastructure like repair of electric fitting, water coolers, drainage, pipelines and maintenance of playground, garden and surrounding.

**4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?**

The teaching and non-teaching staff of the respective departments takes due care of the instruments and equipments. Calibration of some minor instruments is also done by competent staff. If required assistance from outside experts is taken.

**4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?**

- Most of the equipments are with built-in voltage stabilizers. In some cases voltage stabilizers are procured.
- UPS / Stabilizers are available for computer to take care of data loss during power failure in voltage fluctuation.
- The college has drinking water supply from Nagpur Municipal Corporation. In addition to this, institution has ground water supply through well.

**Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.**

Sevadal Education Society and the college make focus efforts towards upgrading and maintaining the infrastructure of the college.

■■■

**CRITERION V: STUDENT SUPPORT AND PROGRESSION****5.1 Student Mentoring and Support****5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?**

Yes, the college publishes updated prospectus at the beginning of the each academic year for students seeking admission to the college. The prospectus consist of information about the vision and mission of the institution, salient features of the college, highlights of the infrastructural facility, students support services, admission process, courses offered in the different faculties, fee structure, fee concession and GOI scholarship, list of faculties with their qualification and the information regarding add-on and certificate courses are also provided.

The institute also publishes information brochure that informs about courses available, eligibility criteria, etc. Information brochures are distributed free of cost to all the stakeholders and nearby junior colleges after the declaration of results of 12<sup>th</sup> Standard examination of Maharashtra State Board of Secondary and Higher Secondary Education. In addition, the college also publishes its academic calendar annually that provides information of summer and winter vacations, holidays and working days, plan and tentative schedule of academic, co-curricular and extra-curricular activities, tentative schedule of college tests and preliminary examinations and tentative schedule of educational visits, tours and NSS camps.

**5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?**

The college receives scholarships granted by the Government to provide financial assistance to the students coming from weaker sections of the society. The college helps the needy students by way of financial assistance/fee concession. Following institution scholarship given to the students during last four years.

- College has spent Rs. 69,755.00 and Rs. 30,870.00 is in the form of financial assistance to financially weaker students in academic sessions 2010-11 and 2011-12, respectively.
- Under UGC merged scheme of XIth plan, total 30 students satisfying the eligibility criteria were given financial assistance of Rs. 120000.00 in the session 2010-11 and 2011-12, respectively.
- Financially weaker students belonging to open category can avail EBC concession, in which tuition fee and laboratory fee of the students is



paid by Department of Higher Education of Government of Maharashtra. Similarly, wards of teachers and non-teaching staff can avail concession in which tuition fee and laboratory fee is paid by Zilla (District) Parishad Office.

- As per the new policy of Government of Maharashtra for fee concession, the college has to collect fee of Rs.260.00 only from the students of SC/ST/NT/SBC/OBC category. The remaining fee of each student is paid by Social Welfare Department of Government of Maharashtra.
- It is a regular practice of institution to give fee concession to the financially weaker students of self-funded courses especially to the PG students. In the current session i.e. 2015-16, the students of PG courses belonging to open category were given a fee concession of Rs. 12000.00 each and were charged a fee of Rs.20000.00 only. As per the University guidelines the fee for self-funded PG course is Rs. 32,000.00 per student/annually.

### 5.1.3 What percentage of students received financial assistance from state government, central government and other national agencies?

The College, with the objective of providing financial assistance to the deserving, needy and the financially weaker students, has always made the optimum utilization of the funds received from the Government. Various Scholarships/free ships available are:

- Government of India (GOI) Scholarships, Free ships for Scheduled Caste, Scheduled Tribes, and Other Backward Classes, Concessions for Economically Backward Classes (EBC), Minority Scholarship, Concession to the ward of Teaching and Non-Teaching staff of Primary/Middle/Secondary/Higher secondary and Junior College teachers, Scholarship for Physically Handicapped students and Fee Concession to the wards of Ex- Servicemen (Military/Defence) and Freedom Fighters.
- Amount disbursed during last four years is as under:

#### Session 2010-2011

Category	No. of students	Scholarship amount	No. of Students	Freeship amount
OBC	356	12,85,972/-	05	89085/-
SC	123	402886/-	04	25326/-
ST	22	90601/-	02	3174/-
NT	29	80578/-	-	-
SBC	15	78778/-	04	39418
Minority	-	-	-	-
<b>Total</b>	<b>545</b>	<b>19,38,815/-</b>	<b>15</b>	<b>157003/-</b>

**Session 2011-2012**

Category	No. of students	Scholarship amount	No. of Students	Freeship amount
OBC	342	8,98,729/-	13	1,06,556/-
SC	93	2,32,012/-	02	1728/-
ST	17	85,356/-	02	3,174/-
NT	31	50,510/-	-	-
SBC	20	1,02,927/-	04	31,210/-
Minority	--	-	-	-
<b>Total</b>	<b>503</b>	<b>13,69,534/-</b>	<b>21</b>	<b>1,58,220/-</b>

**Session 2012-2013**

Category	No. of students	Scholarship amount	No. of Students	Freeship amount
OBC	311	10,62,135/-	18	1,25,994/-
SC	78	2,57,438/-	01	7,383/-
ST	23	44,537/-	Nil	Nil
NT	24	47,544/-	Nil	Nil
SBC	19	52,530/-	01	1,567/-
Minority	-	-	-	-
<b>Total</b>	<b>455</b>	<b>14,64,184/-</b>	<b>20</b>	<b>1,34,944/-</b>

**Session 2013-2014**

Category	No. of students	Scholarship amount	No. of Students	Freeship amount
OBC	300	13,26,735/-	09	56,994/-
SC	72	2,76,981/-	01	9,431/-
ST	24	53,912/-	Nil	Nil
NT	15	35,048/-	Nil	Nil
SBC	16	97,159/-	05	20,817/-
Minority	03	7,335	Nil	Nil
<b>Total</b>	<b>430</b>	<b>17,97,170/-</b>	<b>15</b>	<b>87,242/-</b>

**Session-wise Percent students received financial assistance from the Government.**

Session	Total strength of the College	No. of Students entitled for freeship	Govt. freeship Total Amount Disbursed	No. of Students entitled for scholarship	Govt. Scholarships Total Amount Disbursed	Total no. of students receiving financial assistance from Govt.	% Students receiving financial assistance
2010-11	833	15	1,57,003/-	545	19,38,815/-	560	67.226
2011-12	883	21	1,58,220/-	503	13,69,534/-	524	59.343
2012-13	796	20	1,34,944/-	455	14,64,184/-	475	59.673
2013-14	880	15	87,242/-	430	17,97,170/-	445	50.568

**5.1.4 What are the specific support services/facilities available for**

- ☐ **Students from SC/ST, OBC and economically weaker sections**
- ☐ **Students with physical disabilities**
- ☐ **Overseas students**
- ☐ **Students to participate in various competitions/National and International**
- ☐ **Medical assistance to students: health centre, health insurance etc.**
- ☐ **Organizing coaching classes for competitive exams**
- ☐ **Skill development (spoken English, computer literacy, etc.,)**
- ☐ **Support for “slow learners”**
- ☐ **Exposures of students to other institution of higher learning/ corporate/business house etc.**
- ☐ **Publication of student magazines**
- ☐ **Students from SC/ST, OBC and economically weaker sections**

1. The students from SC/ST/ OBC and economically weaker sections are given GOI freeships/scholarships as per State Government regulations.
2. The College has received financial assistance from UGC under **UGC Merged Scheme of XI<sup>th</sup> plan** for College Development. Under this schemes assistance was provided to SC/ST/OBC and economically weaker sections during the session 2010-2011 and 2011-2012.
3. UGC Merged Scheme :
  - Remedial Coaching for SC/ST/OBC and Minorities have been conducted for B.A., B.Sc. and B.Sc. Home Science students. Study material in the form of books was also provided to the students.
  - Free coaching for NET/SET was given under XI<sup>th</sup> Plan of UGC for students belonging SC/ST/OBC and Minorities students under this scheme.
  - In the session 2010-11 and 2011-12, students satisfying the eligibility criteria were identified and given financial assistance. 27 students in 2010-11 and 3 students in 2011-12 were given financial assistance under the Scheme “Colleges with relatively higher proportion of SC/ST/OBC”.

☐ **Students with physical disabilities**

Provision of wheel chair and supportive staff is also available for physically disabled students. Construction of ramp is under prime consideration by the management.

☐ **Overseas students**

Nil

□ **Students to participate in various competitions/National and International**

Financial assistance is given to the participants by the college in the form of entry fee, funds to hire costumes and accessories needed for dance, funds for choreographer, to and fro fare, etc. Most of the times, college provides transportation facility to them.

□ **Medical assistance to students: health centre, health insurance etc.**

- Medical Examination of all the students is conducted in the College, as per the guidelines and norms of RTM Nagpur University every year.

□ **Organizing coaching classes for competitive exams**

- Coaching classes for NET/SET examination were conducted in the College in the Session 2010-11 **under UGC merged scheme.**
- To motivate the students to appear for competitive examinations, Guest Lectures of experts like Mr. Sanjay Nathe, Co-ordinator of Nathe Career Academy and Mr. Rahul Harde, Director, Inspire Professional Academy, Nagpur were organized in the College.

□ **Skill development (spoken English, computer literacy, etc.,)**

- To shape the personality of the students and to improve and enhance the employment percentage, the college conducts various career oriented programs, skill development certificate programs, group discussion and personality development programmes, etc.
- The college holds COP in Textile Designing, Water conservation, Communicative English, medical laboratory technology.
- The College holds various activities for skill development like soft toy making, food preservation techniques, preparation of standardized recipe, Decorative candle, floral bouquet, carpet, mat, and artificial flower making, textile designing, tie and die, block printing, hand and machine embroidery, knitting, making clothes for newborns, masala and papad making, etc.
- A computer literacy program has been started in the session 2015-16 for our students. 75 students are taking training in 'Mastering Computer Typing' under this activity.

□ **Support for “slow learners”**

- The teaching staff members are always available to solve the difficulties of students not only during the lecture and practical session but also other than lecture in free time.
- The mentor teachers also guide and support the slow learners.
- Relevant books, reading materials, old question papers are given to the students so that they can prepare for exams accordingly.
- Remedial classes are also conducted.

□ **Exposures of students to other institution of higher learning/ corporate/business house etc.**

- Educational and field visits to research centre, industries, parks and gardens are routinely organized. Students visit to National Environmental and Engineering Research Institute (NEERI), Citrus Research Centre, Central India institute of Cotton research (CICR), Ethanol production and waste water treatment unit of Puri industry, Govt. Milk Scheme, Meteorology Centre, Biodiversity Park, Japanese garden for study of plant species, Department of Pest management and Sericulture, Apiculture centre, Wardha; Tassar Sericulture centre, Dawdipar, Bhandara; Gau Anusandhan Kendra, Deolapar, etc.
- Students of Department of Microbiology and Biotechnology visited CCMB (Centre for Cell and Molecular Biology) and NIH (National Institute of Health), Hyderabad in the session 2011-12.
- All these visits help the students to plan for self employment and entrepreneurship development. Further, visit to Educational and Research Institutes motivate the students to pursue higher education and research.

□ **Publication of student magazines**

The College magazine “SEVAVRATI” is published every year. Student creativity finds adequate expression and release through their poems, articles, write-ups for the college magazine.

**5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.**

The college encourages and develops entrepreneurial skills, among the students in the following ways:

- Every year Workshop cum Certificate course on “Food Preservation” is organized for students of B.A. III and B.Sc. Home Science III. This workshop is conducted by Mrs. Praneeta

Kulkarni, Demonstration Officer II of Community Food and Nutrition Extension unit of Govt. of India, Nagpur Division. Students are taught to prepare and preserve food items like jams, jellies, sauces, pickles, squashes, syrups, etc. This can help the students to establish food manufacturing and preservation unit.

- Preparation of standardized recipe is taught to the students of B.Sc. Home Science as a part of curriculum. This can be helpful to students for self employment and income generation by supplying nutritious meals and snacks to schools, offices, etc. and to run canteen in colleges and schools.
- Every year a workshop is organized for the students of B.Sc. Home Science to teach them fabric painting, making of artificial flower, jute bags and mats, fancy cushions etc. Students are also trained in making coloured and fragrant candles that are in demand, greeting cards, floral bouquet making that can be supplied in hotels, etc.
- Event Management is taught to students of B.Sc. Home Science III as a part of curriculum, where they are taught skills like hospitality, decoration, serving, anchoring, entertaining audience, etc. This helps them to get practical knowledge of managing formal and informal events.
- Exhibition-cum- sale of decorative articles was organized in the college in 2009, 2012 and 2015 to develop entrepreneurial skill among students.
- Workshops on bag making, sketching, draping, fashion accessories, and fabric painting are organized.
- Skills in textile and clothing like garment construction, fashion designing, dyeing and printing, tie and die, block printing, hand and machine embroidery are taught to students through practical and demonstration. All these skills can help students to run a small scale textile industry, boutiques, hobby classes or vocational courses in textile designing, Screen and block printing unit, dyeing and printing unit, etc.
- Training is given to students of B.A.III for stitching and knitting of clothes and woolens for newborns upto 3 years.
- Students of Human Development, Home Science faculty, are taught to prepare educational toys, soft toys and various teaching aids for pre-primary classes. They are given knowledge of counseling process and scientific method of conducting psychological tests.
- Career oriented course in Textile Designing and Medical laboratory technology.

**5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc., additional academic support, flexibility in examinations, special dietary requirements, sports uniform and materials, any other**

- The institution has a mission of holistic development of students. Participation of students in extracurricular activities is to show their talent in the field. They participate in extra-curricular activities not just for entertainment and enjoyment but also to gain knowledge and to hone their skills. A wide range of extra-curricular activities like Debate, Quiz, Essay writing, Singing, Dancing, Sport events, Slogan writing, Poster making are held in the college for the all round development of students. They also celebrate days of National and International importance. Many other events like Tree Plantation, Blood Donation, Environment Awareness Rally, Forest Conservation and Wildlife Awareness Rally, Bird Watching Activity, Popular Lectures and program on Andhashraddha Nirmulan are organized in the college. These events and activities help to encourage their interpersonal interactions, to develop them at social, emotional and intellectual level and for confidence building.
- Students are also motivated and encouraged to participate in various intercollegiate events, for which they are given permission to leave from class and relaxation in attendance. They are provided guidance and any type of help or support needed. Their loss in studies is also compensated by the respective staff.
- Students who participate in sports event are given proper sports kit, tracksuits, conveyance facility and refreshments. Training camp is organized every time before an inter-collegiate games and sports competition after selection of the college team.
- College has organized one week training camp for University Kabaddi Team. College has arranged accommodation, meals and training facility for 16 members of University Kabaddi team.
- Our College has recently signed/ formed MOU with Department of Physical Education, Mohta Science College, Nagpur; District Aquatic Association, Nagpur (2014-15) and District Sports Office, Maharashtra Government, Nagpur. The College has also started a Sports Club at Narsala.
- Students who excel in academics and cultural activities are felicitated by the college for their achievements.

- Students are further motivated and encouraged to participate in various University level intercollegiate events, and are informed about the **incentive marks** given by RTM Nagpur University for the participants. These incentive marks are granted to the students who participate in NSS, Games and Sports and Cultural activities.

**5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.**

The Students are regularly guided by the Student Guidance and Counselling Bureau of the College regarding options for higher studies, Career options, job opportunities. Various Sessions and lectures by experts, on improving communication skills, interview and group discussion skills, Personality Development, preparation for Competitive Examination, Career Counselling and e-learning job opportunities available, etc., are regularly organised to guide the students.

The college is predominantly an under-graduate institution. Most of the students go for higher education elsewhere. Hence, the actual date of students appearing and clearing the NET/SET examination is not available with the college. NET-SET coaching classes were also organized in the College during 2010-11, under **UGC Merged Scheme of XIth plan** for College Development. 27 students were admitted for the same in the session 2010-2011. Dr. (Mrs.) Prabha Ashtankar appeared for and **passed SET** examination in the subject Home economics in the Session 2011-12.

**5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)**

**Academic Counselling:** Necessary guidance is provided to the students by the Admission Committee on range of academic flexibilities and choosing their group depending on their interest and choice.

**Career Counselling:** Students Guidance and Counselling Cell provides the guidance to the students as per their queries like career options after the completion of UG Course, job opportunities, different PG Courses available, preparation for competitive examination, personality development and interview skill. Rojgar Samachar, Rojgar Nokri Sandarbha are weekly News paper that is made available to the students which help them in getting information regarding various



upcoming Competitive examinations, their dates, detailed information along with sample papers and questionnaire.

**Mentor Ward Scheme:** The teacher mentor of a particular group resolves the personal, emotional or social problem, if any, faced by the student that might hamper their studies. In addition to this the mentor also gives advice related to academic matter so that they can choose their career and further studies.

**5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).**

The college has active career guidance and counseling cell. Various career guidance programmes have been organized during last four years.

Session	Career guidance Lectures/Workshops organized
2011-12	<ol style="list-style-type: none"> <li>1) A programme on Personality Development was organized for college students in association with JCI Nagpur Pratibha. Mrs. Malini Malvendra guided our students in this direction on dated 8<sup>th</sup> September 2011.</li> <li>2) A workshop on Methods of Group Discussion and Interview Skills was organized in our college on 11<sup>th</sup> January 2012. Ms. Shiny Chib from MBA Dept. of Wainganga College interacted with students on these issues. She gave simple tips to be followed while facing an interview.</li> <li>3) A guest lecture on "Career Counselling" was organized by Alumni Association of the college in collaboration with Pratibha Jaycees. Dr. Milind Apte, Career Counsellor, was the guest speaker.</li> </ol>
2012-13	<ol style="list-style-type: none"> <li>1) A Guest Lecture on Menstrual Cycle and Physiological Disturbances was organized. Dr. Purva Bhadre guided our students on this very issue on dated 14<sup>th</sup> August 2012</li> <li>2) A Guest Lecture by Mr. D. M. Goswami, Deputy Director, Employment Cell, Govt. Of Maharashtra on "Job opportunities" was organized on 30<sup>th</sup> August 2012.</li> </ol>
2013-14	<ol style="list-style-type: none"> <li>1) A guest lecture on "Personality Development" by Mrs. Malini Malvendra, member Pratibha Jaycees, Nagpur, was organized for our students on 13<sup>th</sup> August 2013.</li> <li>2) A guest lecture on "Preparation for Competitive Examinations" by Mr. Sanjay Nathe was organized for our students on 1<sup>st</sup> October 2013.</li> <li>3) A guest lecture on "Preparation for facing Interview" by Prof. Rahul Harde was organized for our students on 17<sup>th</sup> January 2014.</li> </ol>

2014-15	<ol style="list-style-type: none"> <li>1) A guest lecture on “Today's Youth and their Emotional and Psychological Relations with their Parents” by Dr. Raju Mohta, was organized for our students on 30th December 2014.</li> <li>2) A guest lecture on “Positive Methods of Facing Interview” by Prof. Rahul Harde was organized for our students on 10th January 2015.</li> <li>3) A guest lecture on “Career Planning and Life Management” by Dr. Sapna Sharma was organized for our students on 13th January 2015.</li> <li>4) One day workshop on Career Counselling and e-learning was organized for our students on 21st February 2015. Dr. D.S. Katdare, Senior Advisor, Strategic and Change Management, and Dr. Milind Deshpande, IIT, Bombay, were the guest speakers during this workshop.</li> </ol>
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**5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

Yes, the institution has a student grievance redressal cell, which looks after the grievances of the students. Suggestion boxes have been installed at prominent location of the college. No major grievances have been reported in the past four years. Minor grievances like complaints regarding drinking water, Girls common room, ceiling fan, dress code were resolved.

**5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?**

The college has a Committee for “Prevention of Sexual Harassment”, constituted as per the guidelines given by Women and Child Development Dept. Govt. of Maharashtra. The members of the committee are:

1. Dr. (Mrs.) M. P. Patil, Department of Chemistry - Convenor
2. Dr. (Mrs.) N. A. Tiwade, Department of Textile and Clothing - Member
3. Mrs. S. R. Nimbarte, Department of Microbiology - Member
4. Dr. (Mrs.) S. S. Mandaogade, Department of Music - Member
5. Dr. (Mrs.) A. S. Dhoble, Department of Extension Education - Member

- The Committee organizes Guest Lectures creating awareness amongst the students regarding gender issues. The cell also makes an effort to interact with parents to impress upon them the need for sensitization and counselling their children to take preventive measures.
- CCTV cameras are installed in the college at vital locations for a better campus monitoring.

- There is always a guard at the College main gate to take a note of the people who visit or enter the college, other than the staff members and students.
- As per the directives from Govt. of Maharashtra zero tolerance notice against sexual harassment at the workplace are displayed at prominent location.
- Not a single complaint regarding sexual harassment of either the faculty or students has been received till date.

**5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

Yes, the college has an Anti-ragging Committee. The Members of the Anti-ragging Committee are the In-Charge of Science, Home Science, Social Science faculty and University Representative of college student council.

- The Committee regularly monitors overall discipline in the college premises.
- As such, no incidences of ragging have been reported till date.

**5.1.13 Enumerate the welfare schemes made available to students by the institution.**

- The college gives fee concession/financial assistance in admission to financially weaker students.
- Books facility is provided to students.
- Sports kit, track suits as well as financial assistance is given to sports persons.
- Prizes are given to students who excel in academics and cultural activities.

**5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?**

Yes, the institution has an Alumni Association. But it is not yet registered with Charity Commissioner, since the alumni association is quite young and Alumni of the institution are not occupying prominent positions.

**Activities of the Alumni Association are listed below:**

<b>Session</b>	<b>Details of the activities</b>
2011-2012	<ol style="list-style-type: none"> <li>1) Registration of Alumni: 200 students were enrolled as the members of Alumni Association and a fund of Rs.2000 was raised by them, which was used for various co-curricular activities.</li> <li>2) A guest lecture on “Career Counselling” was organized by Alumni Association of the college in collaboration with Pratibha Jaycees. Dr. Milind Apte, Career Counsellor, was the guest speaker.</li> <li>3) “Project Panchavati” started in the session 2009-10. The members of Alumni Association and staff members of the college collected grains which were used for feeding birds at Rajbhavan, Nagpur.</li> </ol>
2012-2013	<ol style="list-style-type: none"> <li>1) Tree Plantation Drive was held at Girls Hostel of the college at Narsala on 13<sup>th</sup> August, 2012.</li> <li>2) A Guest Lecture on “Stress management” by Dr. Pradeep Patil, a renowned Psychiatrist was organized on dated 9<sup>th</sup> October, 2012.</li> <li>3) Registration of Alumni:100 students were enrolled as the members of Alumni Association</li> <li>4) “Project Panchavati” was continued in the session 2012-13.</li> </ol>
2013-2014	<ol style="list-style-type: none"> <li>1) Registration of Alumni:100 students were enrolled as the members of Alumni Association</li> <li>2) A Guest Lecture on “Personality Development” was organized by Alumni Association of the college in collaboration with Pratibha Jaycees on 13<sup>th</sup> August, 08/2013. Mrs. Malini Malvendra, the trainer of Pratibha Jaycees was the guest speaker.</li> <li>3) “Free Eye Check-up Camp” was organized on 30/12/2013 in collaboration with Vasan Eye Care Hospital Nagpur.</li> <li>4) “Project Panchavati” was continued in this session 2013-14.</li> </ol>
2014-2015	<ol style="list-style-type: none"> <li>1) A guest lecture on ‘Awareness for prevention of Female foeticide’ was organized in collaboration with Giants International, Nagpur. The Guest Speaker was Hon’ble Dr. Vedprakash Mishra</li> <li>2) A Guest Lecture on “Today’s Youth and their Emotional and Psychological Relations with their Parents” by Dr. Raju Mohta, was organized for college students on 30<sup>th</sup> December 2014.</li> <li>4) A guest lecture on “Positive Methods of Facing Interview” by Prof. Rahul Harde was organized for college students on 10<sup>th</sup> January 2015.</li> <li>5) A guest lecture on “Career Planning and Life Management” by Dr. Sapna Sharma was organized for college students on 13<sup>th</sup> January 2015.</li> <li>6) One day workshop on Career Counselling and e-learning was organized on 21<sup>st</sup> February 2015. Dr. D.S. Katdare, Senior Advisor, Strategic and Change Management, and Dr. Milind Deshpande, Ph.D. IIT, Bombay, were the guest speakers during this workshop.</li> </ol>

## 5.2 Student Progression

### 5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Student progression	%
UG to PG (Science)	About 40%
UG to PG (Home Science)	10%
UG to PG (Social Science)	15%
PG to M.Phil.	NA
PG to Ph.D.	1-2%
<b>Employed</b>	
Campus selection	-
Other than campus recruitment	10-15% Detailed data of students progression is not available.

### 5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

#### Science Faculty:

Programme	Result Analysis	2011-12	2012-13	2013-14	2014-15
Botany	Appeared for Final Exam	14	18	20	41
	Distinctions	01	-	01	01
	First Division	05	06	03	06
	Total pass & (%)	13 (92.85)	11(61.11)	12 (60)	24 (58.53)
Chemistry	Appeared for Final Exam	59	64	64	93
	Distinctions	02	-	01	02
	First Division	07	02	06	09
	Total pass & (%)	42 (71.18)	27(42.18)	32 (50)	36 (38.70)
Environmental Science	Appeared for Final Exam	21	21	16	23
	Distinctions	-	01	02	-
	First Division	03	09	04	10
	Total pass & (%)	12 (57.14)	18(85.17)	15 (93.75)	20 (86.95)
Zoology	Appeared for Final Exam	21	32	44	57
	Distinctions	-	-	01	01
	First Division	05	03	11	02
	Total pass & (%)	14 (66.67)	19(59.37)	40 (90.90)	32(56.16)
Biotechnology	Appeared for Final Exam	11	10	06	16
	Distinctions	-	-	-	-
	First Division	-	-	-	-
	Total pass & (%)	09 (81.81)	07 (70.0)	04 (66.66)	06 (37.50)
	University Result (%)	91.85	84.94	90.99	92.81

**SELF STUDY REPORT: NAAC - 3<sup>RD</sup> CYCLE**

Computer Science	Appeared for Final Exam	-	08	14	08
	Distinctions	-	-	-	-
	First Division	-	-	-	-
	Total pass & (%)	-	06 (75)	12 (85.71)	06 (75)
	University Result (%)		91.54	89.93	94.14
Maths	Appeared for Final Exam	-	08	13	09
	Distinctions	-	-	-	-
	First Division	-	-	-	-
	Total pass & (%)	-	07(87.50)	12 (92.30)	08(88.88)
	University Result (%)	-	66.09	73.89	68.65
Physics	Appeared for Final Exam	-	08	14	08
	Distinctions	-	-	-	-
	First Division	-	-	-	-
	Total pass & (%)	-	07 (87.5)	12 (85.71)	06 (75)
	University Result (%)	-	89.70	91.78	93.88

**Home Science Faculty:**

Programme	Result Analysis	2011-12	2012-13	2013-14	2014-15
Biochemistry	Appeared for Final Exam	49	45	42	44
	Distinctions	-	02	-	-
	First Division	05	04	-	02
	Total pass & (%)	36 (75.0)	19 (42.22)	33 (79)	30 (69.75)
Biology	Appeared for Final Exam	49	45	42	44
	Distinctions	02	02	01	04
	First Division	02	07	02	10
	Total pass & (%)	48 (98.0)	39 (87.0)	41 (98)	40 (95.0)
Extension Education	Appeared for Final Exam	49	45	40	44
	Distinctions	-	03	02	06
	First Division	12	22	27	12
	Total pass & (%)	43 (88.0)	40 (88.8)	40 (100)	39 (89.0)
Food & Nutrition	Appeared for Final Exam	49	45	42	44
	Distinctions	-	-	01	01
	First Division	03	03	06	09
	Total pass & (%)	31 (63.7)	18 (40.90)	39 (92.85)	35 (80.0)
Human Development	Appeared for Final Exam	49	45	42	44
	Distinctions	-	-	-	-
	First Division	03	-	02	08
	Total pass & (%)	44 (90.0)	22 (50.0)	36 (86.0)	38 (86.36)
Resource Management	Appeared for Final Exam	49	45	42	44
	Distinctions	16	01	02	03
	First Division	20	12	25	16
	Total pass & (%)	49 (100)	37 (88.0)	42 (100)	39 (89.0)
Textile & Clothing	Appeared for Final Exam	49	45	42	44
	Distinctions	16	07	02	09
	First Division	20	12	10	15
	Total pass & (%)	49 (100)	37 (88.0)	38 (90.0)	40(88.63)

**Social Science Faculty:**

Programme	Result Analysis	2011-12	2012-13	2013-14	2014-15
English	Appeared for Final Exam	75	50	84	43
	Distinctions	-	-	-	-
	First Division	02	-	-	-
	Total pass & (%)	38(50.66)	16(32)	44(52.38)	22(51.16)
English literature	Appeared for Final Exam	12	05	10	08
	Distinctions	-	-	-	-
	First Division	-	-	01	-
	Total pass & (%)	06(50)	02(40)	08(80)	03(37.5)
Marathi	Appeared for Final Exam	77	51	86	43
	Distinctions	-	-	-	-
	First Division	13	11	12	03
	Total pass & (%)	76(98.70)	49(96.07)	81(94.18)	39(90.69)
Marathi literature	Appeared for Final Exam	42	32	54	23
	Distinctions	-	-	-	-
	First Division	-	-	01	-
	Total pass & (%)	29(69.04)	18(56.25)	30(55.55)	15(65.21)
Music	Appeared for Final Exam	13	10	17	09
	Distinctions	-	-	04	-
	First Division	07	07	06	--
	Total pass & (%)	12(92.30)	10(100)	17(100)	07(77.77)
Political Science	Appeared for Final Exam	24	21	43	21
	Distinctions	-	-	-	-
	First Division	01	02	01	02
	Total pass & (%)	22(91.66)	14(66.66)	35(81.39)	16(76.19)
Home Economics	Appeared for Final Exam	27	14	30	24
	Distinctions	06	01	06	04
	First Division	16	06	13	11
	Total pass & (%)	26(96.29)	13(92.85)	29(96.66)	24(100)
Sociology	Appeared for Final Exam	51	35	63	37
	Distinctions	-	-	-	-
	First Division	03	05	05	03
	Total pass & (%)	46(90.19)	28(80)	52(82.53)	35(94.69)
Economics	Appeared for Final Exam	25	13	09	02
	Distinctions	-	-	-	-
	First Division	01	02	01	-
	Total pass & (%)	12(48)	11(84.61)	08(88.88)	02(100)
Geography	Appeared for Final Exam	09	04	03	01
	Distinctions	-	-	-	-
	First Division	01	-	-	-
	Total pass & (%)	08(88.88)	01(33.33)	01(33.33)	00
History	Appeared for Final Exam	11	08	21	04
	Distinctions	-	01	-	-
	First Division	02	02	07	03
	Total pass & (%)	08(72.72)	06(75)	21(100)	03 (75)
Psychology	Appeared for Final Exam	09	08	05	-
	Distinctions	-	-	-	-
	First Division	03	04	02	-
	Total pass & (%)	09(100)	06(75)	04(80)	-

**Post Graduate departments of Science faculty;**

Programme	Result Analysis	2011-12	2012-13	2013-14	2014-15
Chemistry	Appeared for Final Exam	13	15	05	08
	Distinctions	-	-	-	-
	First Division	05	10	00	00
	Total pass & (%)	06 (46)	12 (80)	01(20)	02(25)
	University Result (%)	-	-		
Environmental Science	Appeared for Final Exam	05	06	04	04
	Distinctions	-	-	-	-
	First Division	02	05	04	04
	Total pass & (%)	05(100)	05(83)	04(100)	04(100)
	University Result (%)				
Zoology	Appeared for Final Exam	03	-	01	-
	Distinctions	-	-	-	-
	First Division	01	-	01	-
	Total pass & (%)	01(33)	-	01(100)	-
	University Result (%)	-	-	-	-
PG Diploma in Ornithology	Appeared for Final Exam	-	08	10	10
	Distinctions	-	-	-	-
	First Division	-	05	05	07
	Total pass & (%)	-	05(62.5)	05(50)	07(70)
	University Result (%)	-	62.50	50.00	70.00

**5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?**

- The college takes initiative to inspire and motivate students to pursue higher education. The Student Guidance and Counseling Cell and Placement Cell of the college provides career guidance to the students by organizing Guest Lectures/Seminars of experts to guide and motivate the students to prepare and appear for competitive exams and to interact with them.
- The institution offers PG courses in Zoology, Environmental Science and Chemistry. The College is also a recognized as a Centre for Higher Learning and Research in Zoology, Environmental Science, Microbiology and Chemistry.
- Final year students are also guided and motivated to opt for PG courses. PG students are motivated to opt for research and Ph.D. Degree.

**5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?**

Special attention is given to the weaker students to reduce failure percentage by adapting following practices:

- Students, if any who are likely to drop out owing to financial problems are given financial support.
- Books and reading materials are regularly provided.



- Difficulties of weaker students are regularly solved by the respective subject teachers other than classroom teaching.
- College has Mentor Ward System. Mentor of the specific batch try to solve the academic and other problems, if any, of their wards.
- Study material, extra coaching on Sundays is specially provided to employed students who are not regular in theory and practical periods and are given extra time for submission of records and assignments.
- Performance of students is regularly monitored by conducting unit tests, class tests and prelims exam.

### 5.3 Student Participation and Activities

#### 5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Participation of students in intercollegiate level sports tournaments

Session	Name of student and Class	Details of Tournament & date
2010-11	04	Intercollegiate Table-Tennis competition, Hislop College, Nagpur dated 6 <sup>th</sup> August, 2010
	08	Intercollegiate Kabaddi Competition organized by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur dated 22-25 <sup>th</sup> September 2010
	08	Inter-Collegiate Kabaddi competition organized by Dhanwate National College, Nagpur dated 8 <sup>th</sup> October, 2010
2011-12	03	Intercollegiate Table-tennis competition organized by Dr. Ambedkar College, Nagpur. Dated 22 <sup>nd</sup> August, 2011
	05	Intercollegiate 5 Km. Cross Country competition was organized by Rashtrasant Tukadoji Maharaj Nagpur University dated 11 <sup>th</sup> September, 2011
	07	Intercollegiate Kho-Kho competition organized by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur dated 23-26 <sup>th</sup> September, 2011
	05	Intercollegiate Judo competition was organized by Ishwar Deshmukh College dated 8-9 <sup>th</sup> November, 2011.
2012-13	01	Inter-Collegiate Judo Competition organized by R. S. Bidkar College, Hinganghat dated 28-29 September, 2012.
	04	Inter-Collegiate Cross Country Competition organized by RTM Nagpur University, Nagpur dated 23 <sup>rd</sup> September, 2012.
	03	Inter-Collegiate Table-tennis Competition organized by Nikhalas Mahila Mv. Nagpur dated 13-14 <sup>th</sup> December, 2012.

2013-14	07	Inter-Collegiate Cross Country Competition organized by RTM Nagpur University, Nagpur dated 1 <sup>st</sup> September, 2013.
	08	Participated in Inter-Collegiate Kabaddi Mahotsav dated 13-14 <sup>th</sup> September, 2013.
	04	Inter-Collegiate Chess Competition organized by Hislop College, Nagpur during 6-8 <sup>th</sup> September, 2013.
	04	Inter-Collegiate Judo Competition organized by Ishwar Deshmukh College of Physical Education on 21-22 <sup>nd</sup> October, 2013.
	07	Inter-Collegiate Kabaddi Competition organized by Binzani Mv. Nagpur dated 17– 21 <sup>st</sup> October 2013.
	04	Inter-Collegiate Rifle shooting Competition organized by RTM Nagpur University, Nagpur dated 24-25 <sup>th</sup> October 2013.
2014-15	10	Inter-Collegiate Cross Country Competition organized by RTM Nagpur University, Nagpur dated 7 <sup>th</sup> September 2014.
	05	Inter-Collegiate Chess competition organized by RTM Nagpur University, Nagpur dated 15-17 <sup>th</sup> September, 2014 at Dr. Ambedkar College, Nagpur.
	01	Inter-Collegiate Swimming competition organized by RTM Nagpur University, Nagpur and Mohta Science College, Nagpur from 5-7 <sup>th</sup> October 2014 at Kamgar Kalyan Mandal, Nagpur. Ms. Prachi participated in 400m free style, 200m free style, 200m back stroke, 100m back stroke events.
	01	Inter-collegiate Judo competition organized by RTM Nagpur University, held at Jyotiba college of Physical Education, Hingna, Digdoh on 10-11 <sup>th</sup> December, 2014.

**Participation of students in inter-university level sports tournaments**

Session	Name of student & Class	Details of Tournament & date
2010-11	Ms. Shilu Khare, B.A.-III. (She was the Captain of the Rashtrasant Tukadoji Maharaj Nagpur University Kabaddi team)	Maharashtra State Inter-University Sports event, 'Ashwamedh' organized by Panjabrao Krishi Vidyapeeth, Akola from 27 <sup>th</sup> November to 1 <sup>st</sup> December 2010.
2010-11	Ms. Shilu Khare B.A.-III)	All India Inter-University Kabaddi competition," organized by Vikram University, Ujjain dated 2-6 <sup>th</sup> February, 2011
2011-12	Ms. Sneha Bhowate, B.A.-III	Participated in West Zone Interuniversity women Kho-Kho competition at Ratnagiri dated 16-21 <sup>st</sup> September 2011
2011-12	Ms. Sneha Bhowate B.A.-III	Ashvamedh - Maharashtra State Inter-University Competition organized by Panjabrao Krishi Vidyapeeth, Akola from 27 <sup>th</sup> November to 1 <sup>st</sup> December 2011
2012-13	Ms. Anjali Awari,	All India Inter- University Rifle Shooting

	B.A.-II	Championship organized by Gurunanak University, Amritsar.
	Ms. Jeetu Chaudhary B.Sc.-III (Home Science)	Inter- University Kabaddi championship organized by RTM Nagpur University, Nagpur.
	Ms. Anjali Awari B.A.-III	All India Inter- University Rifle Shooting Championship, organized by Punjab University Chandigarh. dated 11-15 <sup>th</sup> February 2014
2013-14	Ms. Jeetu Chaudhary B.Sc.-III (Home Science)	All India Inter- University Kabaddi championship, organized by Guru Nanak University, Amritsar dated 4-7 <sup>th</sup> November 2013. Represented RTM Nagpur University, Nagpur, as the team captain.
	Ms. Meetal Thakre, B.A.-II	All India Inter- University Judo Championship organized by Guru Nanak Dev University, Amritsar dated 12-14 <sup>th</sup> February 2014
2014-15	Ms. Meetal Thakre, B.A.-III	Participated in All India Inter-University Judo Championship, held at Guru Nanak Dev University, Amritsar.
	Ms. Pooja Maske, B.Sc.-I	Maharashtra State Hando Martial Arts Championship held at Hindu Girls High School, Mahal, Nagpur dated 17 <sup>th</sup> August 2014
	Ms. Pooja Maske, B.Sc.-I	4 <sup>th</sup> National Hando Championship held at Sawai Mansingh Indoor Stadium, Jaipur on 1 <sup>st</sup> and 2 <sup>nd</sup> November 2014.

**Major achievements of students in sports**

Session	Name of student & Class	Achievements
2010-11	Ms. Shilu Khare, B.A.-III, Ms. Shabnam Pathan Ms. Sneha Bhowate, B.A.II, Ms. Jitu Chaudhary, B.Sc.-I Ms. Puja Kalpate, Ms. Ashwini Gabhane, Ms. Pratiksha Shelore, Ms. Jayshree Naikwade, B.A.-I	College Team secured third place in the Intercollegiate Kabaddi competition organized by Rashtasant Tukadoji Maharaj Nagpur University, Nagpur dated 22-25 <sup>th</sup> September, 2010
2012-13	Ms. Meetal Thakre, B.A.-I	First Runner-up in the Inter-Collegiate Judo Competition organized by R. S. Bidkar College, Hinganghat dated 28-29 <sup>th</sup> September, 2012.

2013-14	Ms. Meetal Thakre, B.A.-II	Won gold medal in the Inter-Collegiate Judo Competition organized by Ishwar Deshmukh College of Physical Education, Nagpur dated 21-22 <sup>nd</sup> October, 2013.
	Ms. Anjali Awari, BA-III	Winner of Inter-Collegiate Rifle shooting Competition organized by RTM Nagpur University, Nagpur dated 24-25 <sup>th</sup> October 2013) at Indira Gandhi Shooting Centre.
	Ms. Jeetu Chaudhary, B.Sc.-III (Home Science)	Won consolation prize for best player of the Inter-Collegiate Kabaddi event of Maharshi Panjabrao Deshmukh Krida Mahotsava, dated 13-14 <sup>th</sup> September 2013.
2014-15	Ms. Pooja Maske, B.Sc.-I	Secured second place and won Silver medal in the Maharashtra State Hando Martial Arts Championship held at Hindu Girls High School, Mahal, Nagpur dated 17 <sup>th</sup> August 2014.
	Ms. Pooja Maske, B.Sc.-I	Won Gold Medal in the 4 <sup>th</sup> National Hando Championship held at Sawai Mansingh Indoor Stadium, Jaipur dated 1-2 <sup>nd</sup> November 2014.
	Ms. Prachi Lamkhade, B.Sc.-I	She won IInd position in 400m free style and III <sup>rd</sup> position in 200m back stroke in the Inter-Collegiate Swimming competition organized by RTM Nagpur University, Nagpur and Mohta Science College, Nagpur from 5-7 <sup>th</sup> October 2014 at Kamgar Kalyan Mandal, Nagpur
	Ms. Khushali Tingne and Damini Asre, B.A.-II	Appointed as Coach of State level School Team of Sikai Marshal Art by Govt. of Maharashtra.
	Ms. Meetal Thakre, B.A.-III	Won Gold Medal in Inter-collegiate Judo competition organized by RTM Nagpur University, held at Jyotiba college of Physical Education, Hingna, Digdoh on 10-11 <sup>th</sup> December, 2014.

**5.3.2 Furnish the details of major student achievements in cocurricular, extracurricular and cultural activities at different levels: University/State/Zonal/National/International, etc. for the previous four years.**

Participation of students in State/National level co-curricular, extracurricular and cultural activities

Session	Name of student & Class	Details of co-curricular, extracurricular and cultural activities & date
2014-15	Ms. Sneha Dondal, B.Sc-I	Participated in National Dance Competition at Mathura, Uttar Pradesh on 24 <sup>th</sup> June 2014

Major achievements of students in co-curricular, extra-curricular and cultural activities

Session	Name of student & Class	Achievements
2010-11	Sonam Soni, Priya Jaiswal, Shraddha Ingole, Shipali Kosare, Arti Paunikar, Sweety Raut, Monika Tohokar, Devyani Jadhao and Madhuri Kawalkar.	<p>1) Won 2<sup>nd</sup> prize and received a cash prize of Rs.2001/- in the Inter-collegiate Folk Dance Competition (Group) organized by Somalwar's Nikhalas Mahila Mahavidyalaya, in association with Lokmat Yuva-NXT Nagpur.</p> <p>2) Won 2<sup>nd</sup> prize in the District level, Yuva Mahotsava, Inter-collegiate Folk Dance Competition (Group) organized by Lokmat Yuva-NXT.</p> <p>3) Won 3<sup>rd</sup> prize in the Inter-collegiate Folk Dance Competition (Group) event of "Yuvarang" organized by Students Welfare Department of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.</p> <p>4) Won 2<sup>nd</sup> prize in the Inter-collegiate Folk Dance Competition (Group) organized by Ayurvedic College and Hospital, Nagpur.</p>



		Won Consolation prize at the Intercollegiate Debate Competition organised by Dr. M. K. Umathe Arts, Science & Mokhare Commerce college, Bhamti, Nagpur, held on 17 <sup>th</sup> January 2013
2013-14	Ms. Payal Kalbande, B.Sc.-III	Won consolation prize in the Katha-Kathan Spardha organized by Bal Jagat Nagpur.
2014-15	Ms. Sneha Dondal, B.Sc.-I  Ms. Najiya Khan, B.Sc.-II (Home Science)  Ms Priyanka Dhande, B.Sc.-III	Won 2 <sup>nd</sup> prize in the National Dance Competition at Mathura, Uttar Pradesh on 24 <sup>th</sup> June 2014.  Won 2 <sup>nd</sup> Prize in Inter-collegiate Mehendi Competition Organised by R.S. Mundle Dharampeth College, Nagpur on 16 <sup>th</sup> December 2014.  Won 2 <sup>nd</sup> Prize in the Inter-collegiate singing competition organized by Dhanwate National College, Nagpur on 7 <sup>th</sup> January 2015.

**5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?**

- Student's feedback forms on curriculum, support services, facilities available and teachers are filled by students of final year at the end of each academic session. Feedback is also received by respective subject teachers from their alumni on the problems faced by them in pursuing higher studies and at their work place. An alumnus of the college is thus a source of feedback for the improvement of the performance and quality of the institutional provisions. Most of our alumni find our college better than the other one.
- Feedback from the parents is collected during the Parents Teachers meet, about their expectations from the institution, which provides scope for improvement and providing better facilities in the campus to create student centric learning environment.

**5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.**

- The college encourages the students to write and publish their write-ups, short stories, poems, and other articles on science, social issues, politics, etc. for publication in the annual college magazine “SEVAVRATI”, which is published every year.
- Various articles and posters are displayed by the Nature Club members on their display board.
- Various articles and posters related to recent scientific innovations are regularly displayed by the Science Association members on their display board.
- News of events, prizes and trophies won by the students in Collegiate, Intercollegiate and National cultural and sports events along with photographs is also regularly displayed on their display board.

**5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

Yes, the college has Student Council for every academic years consisting of members belonging to various faculties, sports, NSS and cultural activity representative. The selection of Student Council is as per the provisions of Section-40 (2) (b) of the Maharashtra University Act, 1994. Class representatives are selected on the basis of academic performance in previous examinations. Final year class representative is nominated as Secretary of Students Council. The Student Council is guided by faculty members of the Cultural Committee of the College.

**Major Activities:**

The Student Council helps the college administration in many ways-

- The Council plays a major role in the organization of Teachers Day Programme and Social Gathering every year with proper guidance from the faculty members.
- The Council members help the teaching faculty during the organizations of various conferences, seminars, cultural events, guest lectures and other functions in many ways by performing duties like reception of the guests, hospitality, discipline and decoration.
- The Secretary and members of Student Council forms a bridge between the students and administration especially the Faculty In-Charge and Principal which helps in promoting healthy atmosphere in the college.



- All days of National and International importance are celebrated.

**Funding:**

The smooth working of the Student Council does not require any major fund. There is a provision of funds in the institutional budget for organizing cultural and co-curricular functions.

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

Student's representation and participation has been an integral part of various activities of the College.

- IQAC, Editorial Board of College Magazine "SEVAVRATI", Student Council of the college, Anti- Ragging committee, Science Association, Nature Club has student representation.

**5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.**

- The college invites former faculty members and alumni on various occasions.
- The college alumni committee meets once or twice a year.
- The college alumni association is in touch with the alumni through telephonic conversation and college website. Association keep the alumni apprised of the events organized in the college.
- Registration of Alumni through College website is under consideration.

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## CRITERION-VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 Institutional Vision and Leadership

#### 6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

**Vision:** The women students through learners can contribute a lot towards National development, which shall finally lead us towards the balance between not only body and spirit but also in the intellect and emotion.

**Mission:** To serve selflessly towards the cause of human excellence in character building and personality development and empowerment of women through knowledge and higher education.

**Objectives of the Institution:**

- i) To work towards the growth of institution into a centre of excellence.
- ii) To promote the standard education in the field of Science, Home Science and Social Science to women.
- iii) To encourage students and teachers in the pursuit of knowledge and in setting high standard of academic achievements.
- iv) To bring women to the higher level for facing modern science age and to develop scientific and rational attitude.
- v) To develop free and fearless thinking leading to intellectual and moral maturity.
- vi) To bridge the gap between educational and social need.

**Social Objectives:**

- i) To enable the women to come out from the stagnant pool of orthodoxy into the clear stream of reason, perfection, tolerance and dynamism.
- ii) To make women aware of their social responsibilities and important role in nation building.
- iii) To make the student aware of environmental issues and to hand over the moral responsibilities to the coming generation and ecofriendly lifestyle and earth free from pollution.

The mission of the institution is in tune with the objectives of higher education policies of nation. Institution fulfills the national policies of gender equity, increase in the productivity by educating the women, social and national integration, accelerating the process of modernization and inculcating the social, moral and spiritual values in the students.

**The students it seeks to serve:**

Most of the students seeking education in this institution are from economically weaker sections of the society and from

SC/ST/OBC/SBC categories. As a result, higher education has become assessable to this deprived section of society.

We vigorously perceived our priorities of putting teaching and learning first, strengthening our team and maintaining the overall educational standards. An academic and extra-curricular activities accomplished every year reflects the academic and social goals of the institution.

**Vision for the Future:**

To empower the girls students by helping them to become strong, self-reliant, socially motivated, responsible and dedicated women and better citizen of tomorrow, so as to equip them to meet the challenges in life positively.

**6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?**

College is governed by the Sevalal Education Society. The office of the President is on the same campus. This provides convenience for the management, Principal and the faculty members to work together for the implementation of quality, policy and plan.

The Local Management Committee (LMC) consisting of representatives from management, teaching and non-teaching staff along with the Principal as an ex-officio Secretary of the LMC is committed to effective governance. The LMC guides in planning, monitoring and evaluating mechanism regarding administrative and academic process. Management promotes to organize seminars, conferences and co-curricular functions for efficient transaction of teaching-learning process.

The policies of institution in the matter of infrastructure development, faculty recruitment, finance management, purchase of major items and evaluation of staff performance are monitored by LMC. Other issues like UGC grant proposals, research grant proposals are discussed in LMC meetings for approval and implementation.

The Principal is the academic and administrative head of the institution. He provides leadership and inspiration in planning, organization and execution of all programmes with the support and participation of staff. He is the spoke person of the college and Ex-officio Chairman of all non-statutory institutional committees. The Principal ensures that all the provisions and regulations of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur under Maharashtra University Act are strictly observed. He also ensures that institution complies with higher education policies of Maharashtra Government and meets its legal and statutory obligations. The Principal is responsible for the student's admissions, maintenance of accounts, management of teaching-learning process and library, and discipline of the college.

IQAC provides facilitative and participative voluntary system for the sustenance of quality and enhancement measures. The Principal is the Ex-officio Chairman of IQAC and plays a significant role in communicating and implementing the plans. IQAC in its meetings prepares the plan for all the educational, developmental and purchase related activities. IQAC also looks after the academic calendar, teacher's diary, attendance register, research proposals and Academic Performance Indicator (API) score based on Performance Based Appraisal System (PBAS).

The faculty is actively involved in departmental activities and responsibilities. They take all the necessary steps for successful implementation of the academic and departmental activity and submit the report on the action taken in the form of monthly syllabus/co-curricular activities completion reports. Co-curricular and extracurricular activities are planned for the overall development of students through various committees. The faculty members are nominated on various administrative, co-curricular and extra-curricular committees for smooth functioning.

#### **6.1.3 What is the involvement of the leadership in ensuring:**

##### **□ The policy statements and action plans for fulfillment of the stated mission**

Head of the Departments, Faculty In-Charge and Conveners of various committees gives feedback to the Principal. In IQAC meeting deliberates on infrastructural facilities, their optimum use, annual budgetary allocations, developmental plans, new courses to be introduced, research project proposals, organization of conferences and seminars, planning various academic, co-curricular and extra-curricular activities. The leadership (President and Principal) in collaboration with LMC and IQAC make sure that the policy statement and action plans are aligned with stated mission of the institution.

##### **□ Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**

The institutional perspective plan (from 2005-06 to 2014-15) was carefully prepared by taking inputs from management policies, goals and objectives of institution, inputs from stakeholders as well as considering the suggestions provided by NAAC Peer Team report for the first cycle. Suggestions and recommendations given by NAAC Peer Team report for second cycle are used to review and revised the action plan periodically. Leadership considers the modification and incorporates these into strategic plan.

□ **Interaction with stakeholders**

The college makes sincere efforts to build a healthy relationship with its stakeholders. Any stakeholder is free to come to the office of Principal with constructive suggestions. The Principal and teachers interact with stakeholders such as students, parents and alumni through periodic meetings held at college. This helps the college to ensure that its activities are as per the mission and vision of the college.

□ **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**

A periodic need analysis is carried out with the help of In-Charge of Science, Home Science and Social Science faculties and Head of the Departments. Interaction with University authorities, Joint Director's office, UGC and other higher education bodies provides valuable inputs for future planning. The policies are framed based on assessing future needs. The management provides financial and logistic supports for any new plans designed for the benefit of students.

□ **Reinforcing the culture of excellence**

The leadership is committed to reinforcing the culture of excellence in all the aspects for better teaching-learning process. Faculty members of the college impart quality education through traditional and innovative ICT based learning practices. Students are sensitized on social and environmental issues and encouraged to participate in such programmes organized by the college.

□ **Champion organizational change**

The Principal through IQAC compiles the suggestion from the faculty members, students and alumni informal ways for formulation of action plan. Any changes in policies are brought after a thorough discussion in staff council meeting. Departmental requirements are procured and fund allocation is done as per the need and availability.

**6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?**

College has made consistent efforts towards enhancing the quality of education in the college. For every academic year an academic audit of teachers is carried out by the IQAC. The feedback obtained from the students, parents and previous NAAC assessment is used in the decision making and performance improvement. Introduction of new courses, introduction of Centre for Higher Learning and Research in four Science subjects, infrastructural development, submission of proposals for research projects, organization of seminars and conferences, augmentation of library facilities and construction of women's hostel are results of feedback received from various stakeholders.

Heads of Department, Conveners of various committees conduct a self-evaluative exercise to study the strengths and weakness of the functioning of the college in various areas and it is discussed with the Principal in staff meeting and IQAC meetings. Suitable correctives steps are taken after discussion.

**6.1.5 Give details of the academic leadership provided to the faculty by the top management?**

Management has given freedom to the Principal and the faculty members to develop the academic leadership. Faculty In-Charge has been assigned for Science, Home Science and Social Science faculties for effective planning, implementation and monitoring. The Heads of Department are given freedom to administer their respective departments, plan and execute academic programmes. The internal co-ordination of various activities of the institution is done through the Conveners/Co-ordinators of the committees.

The faculty is given a free hand to work as conveners, co-ordinators, secretary or members of the organizing committees of various academic events organized by the college. Teachers can also work on various academic bodies in the University or Government or Non-Government Organizations.

The Principal encourages the faculty to work as resource persons for conferences, refresher courses to deliver Guest Lectures in various institutes and office bearers of different academic bodies outside the college.

**6.1.6 How does the college groom leadership at various levels?**

- College authorities appoint the Head of the Departments to take up the role of departmental administration and academic head. All teachers take various curricular, co-curricular and extra-curricular responsibilities.
- Staff is involved in administrative and developmental activities of college by being co-ordinators/members of various bodies/committees such as IQAC, LMC and various college constituted committees. In order to ensure individual employees contribution, various portfolios are prepared for five years comprising the staff members of the institution. The duty and responsibility of each committee is shouldered and clearly defined.
- The student's leadership is groomed through the Student Council which is formed every academic year. For each class, a class representative is selected, all class representative are the members of Students Council. They elect one student as University Representative. She works in coordination with cultural committee for planning and implementation of various functions such as Teacher's Day Function, social gathering and other extra-curricular activities.

**6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?**

- The institution has well defined decentralized organizational structure to coordinate the academic and administrative function. Administrative, academic and financial activities are reviewed by the management to ensure administrative and academic accountability of the system.
- For the development and governance, the authorities have appointed and empowered the faculty in-charge and Heads of department and provided administrative as well as academic autonomy for effective governance. The Faculty In-charge have adequate autonomy on the matters such as preparing admission schedule, preparing the time table of respective faculty, academic audit of teachers, preparing internal examination schedule and other administrative matters.
- The college provides autonomy to the Heads of Department regarding the assignment of workload to faculty members, academic planning of the department, organization of departmental co-curricular activities such as educational visits, organization of Guest Lectures, assigning projects, internal assignments and seminars as well as organization of departmental workshops. Delegation of powers to sanction leave of the faculty members and non-teaching staff and utilization of allocated budget as per the requirements is also looked after by Heads of Department.

The college has constituted various committees to facilitate smooth functioning and conduct of all the activities. Each committee has Co-ordinator/Convener who co-ordinate the meeting with Principal and assign the responsibility to every member of the committee.

**6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.**

Yes, the college is committed to a culture of participative management. The Principal, Faculty In-Charge and IQAC Co-ordinator is for academic and administrative leadership of the college. The IQAC meets periodically to discuss the points related to the policy and developmental plans. IQAC sum up of academic and co-curricular matters for the preparation of Annual Quality Assurance Report (AQAR).

The apex decision making body at the college level is the Local Management Committee (LMC). It has representatives from teaching as well as non-teaching staff. All the issues regarding academic, administration and infrastructural development are discussed and approved by the LMC.

**6.2 Strategy Development and Deployment****6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?**

Yes, the college has distinct quality policy oriented towards achieving goals and mission. The IQAC has prepared ten years perspective plan for uniform development of the college. The quality policy of the college is driven by the staff and students. It is channelized through –

- Imparting highest standard of education with strong base of moral, ethical and human values.
- Developing sustainable models of innovative teaching-learning processes.
- Providing motivation, encouragement and appreciation to the teachers for their contribution in college activities.
- Providing a platform of opportunities to teachers to enhance their professional competency.
- Providing infrastructural facilities in terms of learner's needs and taking a formal feedback on teaching-learning process.
- The quality policies are reviewed during the IQAC and LMC meetings.

**6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

Yes, the college has perspective plan of development which was developed just after the accreditation of college (First Cycle). IQAC of the college has prepared draft of perspective plan for ten years i.e. 2005 to 2015 by taking into consideration the goals and objectives of institution, management policies and inputs from stakeholders. The NAAC criteria-wise aspects considered for inclusion in the plan are as follows –

- Growth in terms of academic programmes that focuses on introduction of self-funded undergraduate and post graduate courses, Ph.D. programmes in Environmental Science, Zoology, Chemistry and Microbiology, P.G. Diploma Courses and skilled based COP.
- Strengthening of existing programmes.
- To promote Information and Communication Technology (ICT) enabled teaching aids in the classrooms and laboratories.
- Automation of library services and use of ICT in administrative transactions.
- To increase research activities and also to undertake collaborative research at National and International level.
- Organization of National and International seminars and conferences.
- Awareness campaign for environment protection, wildlife and birds conservation, gender sensitization and other activities with social needs.



- Construction of new laboratories as well as renovation in the old ones.
- Upgrading the physical infrastructure in terms of auditorium, classrooms, central library and laboratories for self-funded courses.
- Purchase of sophisticated laboratory equipments.
- Security shall be monitored through CCTV.

**6.2.3 Describe the internal organizational structure and decision making processes.**

The internal organizational structure is as follows:

Sevadal Education Society is the parent body of Sevadal Mahila Mahavidyalaya. At the college level, the Local Management Committee is constituted according to the Maharashtra University Act, 1994. The Principal of the college heads both the academic as well as the administrative sections. Faculty In-Charge for Science, Home Science and Social Science faculties and Head of the Departments are appointed to assist the Principal in smooth functioning of the administrative system and smooth conduct of academic programme.

The college office mainly looks into the matters related with student admissions, collection of fees, scholarships, University related work and examinations. The college office maintain the record and for interaction with Joint Directors' Office and University.

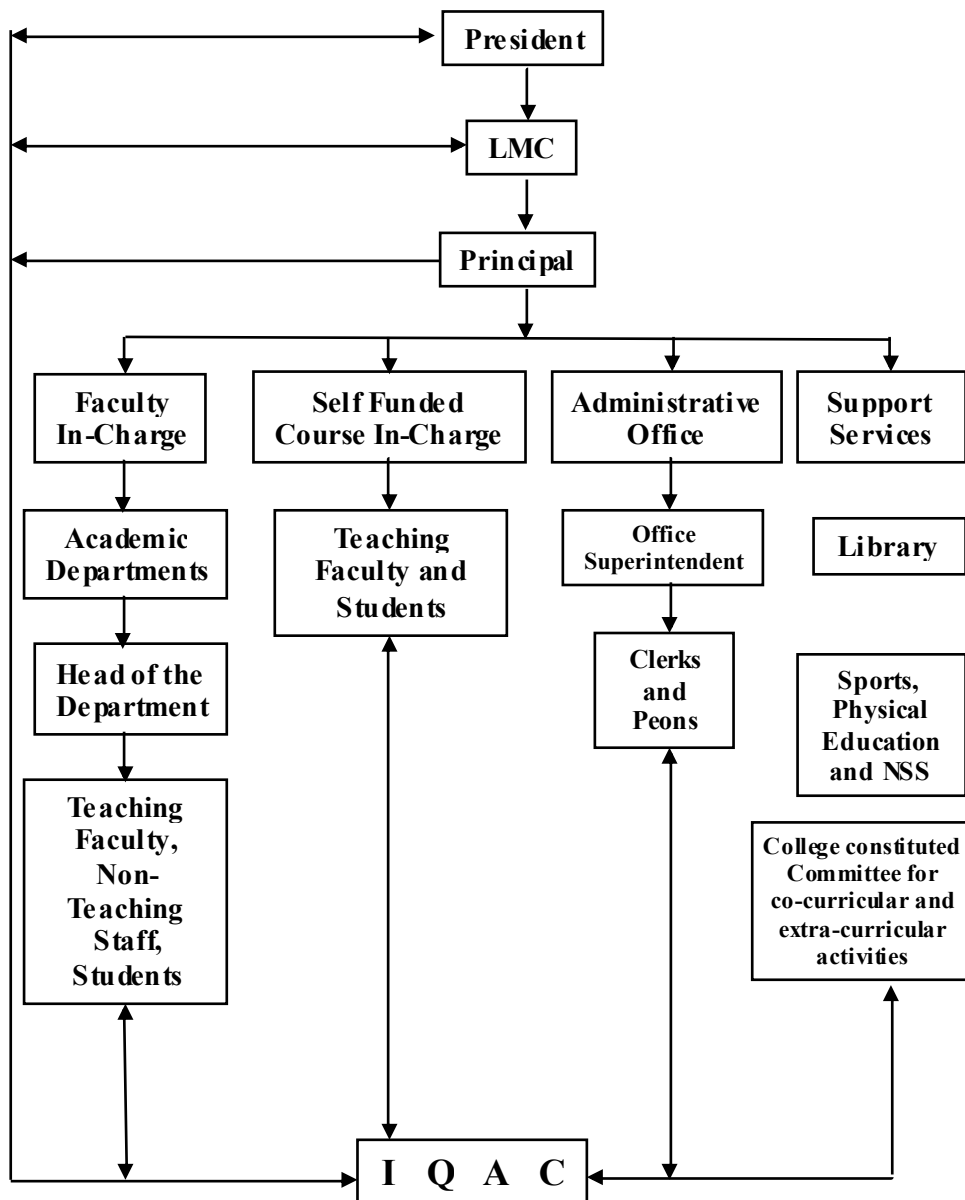
Various committees in the college help in monitoring and facilitating several functions and thus make administration open and transparent. The decentralization of power is evident from these committees. Apart from LMC and IQAC, the list of college constituted committees are as follows:

- Admission Committee
- College Examination Committee
- Purchase Committee
- Library Advisory Committee
- Student Attendance Monitoring Committee
- Research Coordination Committee
- Committee for Co-curricular and Cultural Activity
- Committee for Prevention of Sexual Harassment.
- Committee for Excursion and Tour
- Committee for Students Welfare and Grievances.
- Committee for Students Counseling and Placement
- Science Association
- Nature Club
- Alumni and Parent-Teacher Association.

Co-ordinator and members of above said committees conducts meetings Principal in each academic session. The decisions taken in the meetings are implemented. The IQAC Co-ordinator collects the

data from all Head of the Departments in the form of departmental input and from all Co-ordinators of above said committees in the form of reports for the preparation of AQAR.

The structure of internal organization of the institution is as follows:



**6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following****□ Teaching & Learning:**

Strategies for quality improvement in teaching and learning are to make the learning more students centric. Initiatives to improve the quality of teaching and learning process in the college are as follows-

- Providing LCD projectors in almost all classrooms and some of the laboratories.
- Facilities like INFLIBNET and Internet for teachers and students.
- Maintenance of teacher's diary and attendance register.
- Monthly submission of syllabus completion report by the teachers.
- Faculty members are encouraged to update themselves by attending and organizing conferences/seminars/workshops.
- Organization of Guest Lectures/student workshops/educational visits for students.
- Prizes and awards for student's achievement in academic and extra-curricular activities.

**□ Research & Development:**

- University recognized centre for Higher Learning and Research in the subject like Environmental Science, Zoology, Chemistry and Microbiology.
- Generating awareness amongst the faculty members related to submission of major and minor research project proposals.
- Establishing collaboration/linkages with research institute of national repute.
- Motivation to faculty members for publication in National and International journals.

**□ Community engagement:**

The college always looks for opportunities to organize and to improve the extra-curricular/extension activities for the benefit of communities.

- College organizes various outreach programmes to enable the students to response to the larger issues of the society such as health check-up camp, eye check-up camp, blood donation camp, environmental awareness and gender sensitization programmes, workshops on human rights and many more.
- Organization of various functions under NSS, Nature Club and Science Association.
- Theme based extension activities on different occasions.
- Learning about communities and social issues through field based activities and educational visits.

□ **Human resource management:**

- The success of any organization is dependent on the quality of human resources. The institution recruits faculty members and non-teaching staff as per the guidelines provided by the University and State Government. Almost all sanctioned posts of teaching and non-teaching staff have been filled in.
- Regular performance appraisal and time bound promotion on the basis of Academic Performance Indicator (API) Score based on PBAS.
- Orientation and Refresher courses for professional development of faculty members are conducted by Academic Staff College, R.T.M. Nagpur University, Nagpur.
- Computer hardware and software training to non-teaching staff.
- Time bound promotion to Non-teaching staff as per the rules and regulations of Government of Maharashtra.

□ **Industry interaction:**

Industry visits are arranged for the interaction of students with industry personnel.

**6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?**

- The Principal ensures that adequate information is communicated to the management and stakeholders. The Principal collects information through discussion with Faculty In-charge and Head of the Department as well as from the minutes of the meetings of different college constituted committees. This information is placed before the IQAC meetings for discussion. Most of the IQAC meetings were chaired by the President of the Society.
- The college use the data obtained from the student's feedback in the form of questionnaire given to the students and feedback received through Mentor-Ward System.
- The Infrastructure Committee takes review with reference to infrastructural requirement of every department and gives feedback to the Principal, who presents this in LMC for appropriate action.
- Suggestion boxes are placed in the college. This is a source of suggestions for improvement in support services.

**6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?**

- The teaching and non-teaching staff is entrusted the responsibility for different tasks such as college admission, University examinations, document verifications, attestation of students examination form and scholarship related forms.
- Involvement of faculty members in the various academic and administrative committees, there is always a representation and support of the non-teaching staff for all these activities.
- By having representatives of teaching and non-teaching staff in the Local Management Committee.
- Based on the performance, academic achievement the teachers are felicitated on Teachers' Day function.

**6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.**

The following resolutions are passed in last meeting of LMC dated 29<sup>th</sup> April, 2015

S.N.	Resolutions	Status of Implementation
1	Sanction of provisional budget for granted and non-granted subjects.	Approved
2	Appointment of contributory/Ad-hoc teachers	Approved
3	Renovation of washrooms	Approved and Implemented
4	Renovation of research laboratories of Zoology and Environmental science	Approved and Implemented
5	Renovation of Music laboratory	Approved and Implemented
6	Renovation of Food and Nutrition laboratory	Approved
7	Formation of steering committee for SSR preparation	Approved
8	To start study IGNOU centre for women	Under implementation
9	To start self funded COP courses in IT in collaboration with DATATECH Computers Pvt.Ltd.	Approved and Implemented
10	To organize National Conferences	Approved and Implemented

**6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?**

Yes, the University has a provision of according autonomy status to affiliated colleges. College has not made efforts in obtaining the autonomy due to the following reasons.

- No college affiliated to RTM Nagpur University has sought autonomy till date.
- There are no clear cut guidelines from affiliating University about financial and academic autonomy.
- The number of students and courses available in the college are not adequate for financial viability.

**6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?**

- The college has Grievance Redressal Cell for the students and stakeholders. Minor grievances of staff are addressed by the Principal. The LMC also look into staff grievances and resolves it.
- As per the guidelines of Maharashtra State Government, a committee is constituted under "Sexual Harassment of Women at Workplace and its Prevention Act, 2013".
- There have been no instances of any major grievance so far.

**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

There had been no court cases against the institute.

**6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?**

Yes, students' feedback is obtained on teaching, course content, support services and individual teacher's performance. This feedback is taken at the end of final semester/year for all the programmes.

IQAC has been taking feedback from teachers on various aspects like annual reports of various committees, evaluation of teachers diary and attendance register. Any specific feedback/suggestions received are placed before the IQAC meetings for corrective measures from time to time.

Concern staff interacts informally with the students and suggestions given by them about laboratory/library services are considered and implemented.

### **6.3 Faculty Empowerment Strategies**

#### **6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?**

- The college makes efforts for enhancing professional skills amongst its teaching and non-teaching staff. This is achieved by deputing teachers for training at centres of Higher Learning and Research. The college grants duty leave for teachers who wish to avail training programmes at various institutions/research laboratories/Universities.
- Faculty members are relieved from duty to undergo UGC sponsored Orientation and Refresher courses.
- Faculty members are motivated to attend and participate in Seminars/Conferences/Workshops.
- College organizes the Seminars and Conferences, where faculty members of the college actively and enthusiastically participate in successful organization of the event.
- Faculty members are motivated to avail the facility of Faculty Improvement Programme (FIP) to pursue Ph.D. Degree. They are also encouraged to submit major and minor research project proposals to UGC and to undertake collaborative research with other agencies.
- The institution has conducted training programmes for non-teaching staff on ICT enabled technologies such as use of MSOFFICE, Internet, software training, online administration and office management.
- Due recognition is given to staff for their work.

#### **6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

- Faculty members are granted duty leave/special duty leave for participating in Orientation/Refresher/training programmes as a part of retraining programmes for their professional development.
- Teachers are deputed to attend National/International seminars and conferences. They are also encouraged to organize National and International seminars and conferences.
- Infrastructure is provided to the teachers for carry out research work and they are encouraged to submit research proposals in order to procure grants for research purpose.
- Informal discussions with staff, formation of committees for organization of interdisciplinary Seminars and Conferences motivates the teachers about their roles and responsibilities.

**6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

The college follows the “Performance Based Appraisal System (PBAS)” of UGC regulations of June, 2009. The University has developed an “Academic Performance Indicator (API) System” based on PBAS guidelines developed by UGC. The API is divided into three categories.

Category-I: Teaching, learning and evaluation related activities having maximum score 125.

Category-II: Co-curricular, extension and professional development related activities having maximum score 50.

Category-III: Research publications and academic contributions, no defined maximum score.

College IQAC addresses all the issues related to PBAS of teaching staff. At the end of academic year, every teacher has to submit his/her duly filled PBAS-API score with supporting documents to the IQAC. These scores are scrutinized and finalized the score under various categories. These scores are presented to University and Joint Director's authorities at the time of validation under Career Advancement Scheme (CAS).

The teacher's diary gives clear information of all academic, co-curricular and extra-curricular contributions of a teacher. This diary is assessed at the end of each academic year in the form of academic audit.

**6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

The outcome of the review of API score of PBAS for a teacher is –

- i) Better understanding the role and contribution of individual teacher to the department/functioning of the college.
- ii) Gives idea of teaching methods/teaching aids used by the teachers in teaching. It gives clear idea of number of theory and practical classes taken by a teacher.
- iii) It also focuses on the academic contribution and research publications of the teachers which is evident through types, numbers and quality of research paper published, research paper presented in conferences, research projects etc.

In addition to this, student's feedback on teachers is also collected in prescribed format. A final report on API score for each teacher is communicated to the Principal/Management who takes decision on whether the case has to be forwarded for promotion under CAS.



**6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

The welfare schemes available for teaching and non-teaching staff are as follows-

- The college has employees Credit Co-operative Society which offers loans for various purposes. Almost all teaching and non-teaching staff are members of the co-operative society.
- Provision of medical reimbursement, maternity/paternity leave for staff members as per State Government rules.
- Two months salary credit facility to teaching and non-teaching staff members provided by the Bank of Maharashtra.
- Leave Travel Concession as per State Government norms.
- Special consideration in admissions is given to wards of staff members.

**6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?**

A well qualified staff is appointed as per UGC and Government norms. Retaining the faculty members is never a problem for management. All the faculty members are given academic autonomy. The work culture, democratic way of functioning, freedom and good academic and research infrastructure are some of the characteristics of college.

**6.4 Financial Management and Resource Mobilization**

**6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

- The college makes budgetary provision for academic departments, administrative office and for major co-curricular activities. Every department and college constituted committees are expected to provide a list of requirements as well as consumable required for the laboratory.
- Budget is reviewed in IQAC meeting and same is approved in LMC after necessary changes, if necessary.
- College makes a provision for advance/additional funds whenever needed. The Principal and accountant are in-charge of managing the financial resources effectively.
- LMC decides the priorities while allotting financial allocation for various developmental activities.

- A purchase committee ensures that correct equipment with right specification is procured at the best prices. Purchase is carried out by quotations, comparative statements and approval of purchase committee.
- The college maintains separate cash-book and ledgers under different heads. Every academic department maintains stock book of consumable and non-consumable items. Every transaction is supported by vouchers and cash-books. All the collections are deposited in the bank regularly.

**6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

- The college has internal and external audit mechanism. The internal audit is carried out by the registered chartered accountant appointed by the management. The last internal audit was done on 18<sup>th</sup> July, 2015.
- Assessment of disbursement of salary and non-salary grant is carried out by office of Joint Director of Higher Education, Nagpur Division. The external audit is carried out by Auditor and Accountant General of Maharashtra State. Last external audit was done on 4<sup>th</sup> April, 2012.

**6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.**

The major sources of institution receipts/funding are fee collections from students, State Government grants, UGC grants and other sources of income. The sources of revenue and income generated during the last three years are as under:

The sources of revenue and income generated during the last three years

**Grant-in-aid courses:**

Grant Heads (in Rs.)	2012-13	2013-14	2014-15
Salary grants of teaching & Non-teaching staff	45415634.00	57814414.00	525908439.00
Tuition Fees (Grant-in-aid courses)	515200.00	520000.00	569800.00

**Self-funded courses:**

Source of Income (in Rs.)	2012-13	2013-14	2014-15
Fees from UG & PG courses	971420.00	1033725.00	1513833.00
Fees from Ph.D. programme	156000.00	147000.00	195000.00

Heads of Accounts (in Rs.)		XI Plan	
		Amount Sanctioned in Rs.	Amount Received in Rs.
<b>Developmental Grants</b>			
A	Library	1,00,000.00 (CDA) 3,00,000.00 (PG, CDA) 1,00,000.00 (Merged Scheme, Catch up) 1,00,000.00 (Merged Scheme, Spl. grant) 2,00,000.00 (Remedial Coaching) 1,00,000.00 (NET/SET Coaching) <b>9,00,000.00 (Total)</b>	1,00,000.00 (CDA) 1,80,000.00 (PG, CDA) 1,00,000.00 (Merged Scheme, Catch up) 1,00,000.00 (Merged Scheme, Spl. grant) 2,00,000.00 (Remedial Coaching) 1,00,000.00 (NET/SET Coaching) <b>7,80,000.00 (Total)</b>
B	Instrumentation	5,00,000.00 (CDA) 13,00,000.00 (PG, CDA) 6,00,000.00 (Merged Scheme, Catch up) 2,00,000.00 (Merged Scheme, Spl. grant) 3,00,000.00 (Remedial Coaching) 2,50,000.00 (NET/SET Coaching) 1,20,000.00 (Career Counselling Cell) <b>32,70,000.00 (Total)</b>	5,00,000.00 (CDA) 7,80,000.00 (PG, CDA) 6,00,000.00 (Merged Scheme, Catch up) 2,00,000.00 (Merged Scheme, Spl. grant) 3,00,000.00 (Remedial Coaching) 2,50,000.00 (NET/SET Coaching) 1,20,000.00 (Career Counselling Cell) <b>27,50,000.00 (Total)</b>
C	Infrastructure	61,65,398.00 (Hostel)	61,65,398.00 (Hostel)

<b>Research Grants</b>			
1	Major Research Projects	25,85,871.00	25,24,271.00
2	Minor Research Projects	13,20,000.00	10,50,000.00
<b>Innovative Course</b>			
1.	P G Diploma In Biotechnology	23,25,000.00	23,25,000.00
2.	P. G. Diploma in Ornithology	41,00,000.00	28,00,000.00

Heads of Accounts (in Rs.)		XI Plan	
		Amount Sanctioned in Rs.	Amount Received in Rs.
<b>Career Orientated Programme</b>			
1	Water Conservation & Management	7,00,000.00	7,00,000.00
2	Textile Designing	5,00,000.00	5,00,000.00
3	Communicative English	7,00,000.00	7,00,000.00
4	Medical Laboratory Technology	10,00,000.00	10,00,000.00
Instrument Maintenance Facility		3,00,000.00 (CDA)	1,80,000.00 (CDA)
Remedial Coaching Classes		Details given in Various Heads	
UGC Network Resource Centre		1,30,000.00	1,08,000.00
Coaching Classes for SC/ST for Entry into Services		600000.00	120000.00
Financial assistance to organize seminars/conferences/workshops		125000.00	125000.00
Travel Grants		94222.00 (2012-13)	94222.00 (2012-13)
Exam Reform		100000.00 (CDA)	60000.00 (CDA)
Education Innovation		200000.00 (CDA)	120000.00 (CDA)
Field Work & Study Tour		100000.00 (CDA) 250000.00 (PG, CDA)	60000.00 (CDA) 150000.00 (PG, CDA)
Extension Activity		100000.00 (CDA)	60000.00 (CDA)
Other		550000.00 (PG, CDA)	330000.00 (PG, CDA)
Recurring Items & TA/DA		800000.00 (Remedial) 150000.00 (NET/SET Coaching) 20000.00 (Career Counseling Cell)	160000.00 (Remedial) 150000.00 (NET/SET Coaching) 20000.00 (Career Counseling Cell)
Additional Assistance to College		2500000.00 (UGC)	2500000.00 (UGC)
Grant to 'A' Grade College.		1000000.00	1000000.00
IQAC		3,00,000.00	3,00,000.00

The audited income and expenditure statement of academic activities for each of the previous year is available and can be examined during the peer team visit.

#### 6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same.

The college explores alternative sources of funding apart from regular source of income.

Funding received from UGC under XI plan and XII plan is as under:

Sr. No.	Name of Scheme & Title of grant, Ref letter No. (All Types of Grants)	Amount sanctioned Rs	Amount Received Rs
1	UGC XI Plan: College Development Assistance vide-7-81/07/CD (WRO) 10 <sup>th</sup> Feb. 2010.	4000000.00	2640000.00
2	UGC XI Plan: Merged Scheme vide-F7-81/07/ (WRO) 2011.	5530000.00	2528000.00
3	UGC XI Plan: Additional Assistance vide-7-81/07/CD (WRO) 10 <sup>th</sup> Feb. 2010. Rn73-114/10 (WRO) 3 <sup>rd</sup> Jan 2011	2500000.00	2500000.00
4	UGC XII Plan: Vide-F.No.7-81/13 (WRO) 28.03.14	4564450.00	240000.00

#### Other income generating sources:

Heads (in Rs.)	2012-13	2013-14	2014-15
Rent	34100	6520	5000
Consultancy	51,840	-	-
PTAC	1200	1250	10000
Extension Activities-NSS	48000	48000	48000

#### 6.5 Internal Quality Assurance System (IQAS)

##### 6.5.1 Internal Quality Assurance Cell (IQAC)

- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes, the college has established an Internal Quality Assurance Cell (IQAC) on 5<sup>th</sup> August, 2004 after the first assessment wherein the institution was accredited as B++ by NAAC. The institutional IQAC has strived hard for quality assurance mechanism within the existing academic and administrative system that will ensure quality on a continuous basis. The institutional policy with regard the quality assurance is as follows-

- Motivation to teachers to develop professional skills and encourage them to submit major and minor research proposals, to organize seminars/conferences/workshops and to introduce new programme.

- Formation of various committees/associations for initiating monitoring and following up the different co-curricular and extra-curricular activities of the college.
- Development and follow innovative teaching methods with reasonable use of ICT.
- Evaluation of system through feedback and assessment of faculty through API under PBAS.

Institutional policy has contributed in institutionalizing the quality assurance process in the following ways.

- Effective implementation of system and processes and increase participation of teachers in research projects.
- Development and establishment of infrastructure in the form of laboratory, use of ICT in teaching process, purchase of instruments and equipments and support to teachers and students in all their endeavors leading to excellence in education.

**b. How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?**

The college IQAC conducts meetings with management regularly with specific agenda regarding to academics as well as administration. Some of the decisions approved by the management are as follows-

- Implementation of teacher's diary and academic audit of all teachers.
- Major and minor infrastructural changes in the laboratories for their effective utilization.
- Construction of hostel for girl students.
- Accepting of specific process followed by IQAC with reference to scrutiny and validation of API score of teachers.
- Modernization of classrooms and laboratories with ICT facilities.
- Discussion and sanctioning of provisional budget.
- Organization of national and international conferences and seminars.
- Introduction of Career Oriented Programmes for girl students.

**c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

Ex-Principal of the institution Dr. Anant Adawadkar and Dr. P. G. Puranik have provided their expertise help and guidance regarding the changes to be made in the administrative structure to align system and processes. Dr. P. G. Puranik has provided his expertise help in establishing the Research Academy in the institution.

Dr. P. G. Puranik, being a Peer Team Member of NAAC has visited various institutes across the country. His experience helps the college in its development at various levels.

**d. How do students and alumni contribute to the effective functioning of the IQAC?**

The present students give direct feedback on the academic and infrastructural needs. This feedback is analyzed and shared with the Principal and management in IQAC meetings. The alumni are not directly involved in the functioning of IQAC, but they do provide feedback informal way on alumni meets.

**e. How does the IQAC communicate and engage staff from different constituents of the institution?**

The IQAC is responsible for monitoring all the academic, co-curricular and extra-curricular processes. The IQAC communicates with college constituted committees, NAAC criteria-wise committees and evaluate their performance in the form of reports submitted by them for the preparation of AQARs. IQAC communicates through notices and SMS regarding the meeting.

**6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.**

Yes, the institute has an integrated framework for quality assurance and sustenance of academic and administrative activities.

- Internal co-ordination of various academic activities of the college is done through the Faculty In-Charge and Heads of various departments of Science, Home Science and Arts faculties.
- The IQAC under the Chairmanship of President meets regularly to take stock of academic and administrative matters to ensure monitoring of the academic programmes and to ensure sustenance and development of quality of Higher Education.
- IQAC analyze the feedback received from the teachers, students and parents in order to plan and implement quality initiatives.
- Planning-Implementation-Monitoring and Evaluation (PIME) procedure is adopted in all academic and co-curricular activities organized by the institution. Periodical meetings with college constituted committees for organization of various academic and cultural activities.
- Academic and co-curricular activity calendar is prepared at the beginning of each academic year. College constituted committees and Heads of Department take all the necessary steps for successful implementation of the calendar and provide reports to the IQAC.

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.**

Yes, the college organizes training workshops for non-teaching staff on specific use of software for office management, library software, use of software for transaction/uploading/downloading the information from University and Joint Director’s office.

- Training for non-teaching staff with regard to laboratory procedures and safety in laboratory.
- Interactive sessions on guidelines of UGC and the State Government with special reference to filling of API formats, calculation of API score, etc.

All these steps taken by the college have helps the teaching and non-teaching staff to enhance skill and working ability.

**6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?**

Yes, the college IQAC along with the Principal undertake academic audit of all the departments and take the review of academic activities including percent syllabus completed, total number of theory and practical classes taken, extension and co-curricular activities undertaken by the individual teachers and research activity of teachers. The suggestive measures are discussed with the staff members for improvement.

**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

- The college IQAC has constituted the committee for all the seven criteria in line with the requirement of NAAC. These committees monitor the working of college constituted committees in order to fulfill the objectives prescribed by NAAC for the preparation of Annual Quality Assurance Report (AQARs) and Self-Study Report (SSR).
- Other internal quality assurance mechanism includes the implementation of ‘Teacher’s Diary’ and ‘Academic Audit’ which are used for assessing the API score. Planning and implementation of academic activities like organization of conferences and seminars.
- Participative teaching-learning process and development of course material in the form of PowerPoint presentations and use of e-resources for classroom teaching.



**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

Institutional mechanism to review the teaching-learning process includes of academic and co-curricular activity calendar at the beginning of each academic session, preparation and execution of teaching plan, daily entry of academic and co-curricular activities in teacher's diary, monthly submission of syllabus completion report and activity report in stipulated formats, maintenance of attendance register, scrutiny and assigning of API score to the teachers at the end of each academic year.

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

The institution communicates its quality assurance policies, mechanism and outcomes to stakeholders through general staff council meetings, meetings with Head of the Departments, meetings with NAAC Criteria Co-ordinator and college constituted Committee Conveners. It is also communicated through notices and circulars

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## **CRITERIA VII: INNOVATIONS AND BEST PRACTICES**

### **7.1 Environment Consciousness**

#### **7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?**

Yes, the college is committed to saving the environment and working towards a sustainable future. The college has system to maintain a clean and green campus. The students are made aware of the consequences which the humans will have to face if we don't take steps to protect the environment. Students are motivated to use paper and cloth bags instead of polythene bags. Exhibition-cum-sale of paper/cloth bags was organized. Artificial bird's nests were installed on the trees at selected places of the city.

#### **7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?**

The college has taken special efforts to install environmental awareness amongst the students with the belief that environmental awareness will lead to protection of environment through action. For developing environmental consciousness amongst students many activities such as awareness rallies, celebrating environment days, seminars are undertaken by the college. The initiatives taken by the college to make the campus ecofriendly are as follows:

##### **Energy conservation**

- College buildings are well ventilated with glass windows for natural light.
- Fans, lights and other electrical gadgets are switched off after completion of theory and practical classes.
- Proper maintenance of wiring and electrical appliances.
- Computers purchased in the college are with LCD monitor to reduce the consumption of electricity.

##### **Use of renewable energy**

- It has been decided to install solar lights in college campus and girls hostel at Narsala. It has also been decided to install solar water heater in girls hostel.

##### **Water harvesting**

- Rain water harvesting has been implemented in the college. A water collection pitch has been created in the backside of the building and rain water collected is directed to the well.

**Check dam construction**

- This activity is not carried out in campus but NSS unit of college conduct an awareness programme at village Pachgaon near Nagpur.

**Efforts for Carbon neutrality**

- Efforts have been taken to make campus plastic free.
- Vermicompost is prepared out of the dry leaves and biodegradable waste instead of burning it.

**Plantation**

- Regular plantation of saplings in the campus and the maintenance of same. There are 75 trees in the college campus and more than 100 seasonal potted flowering plants.
- There is a well maintained botanical garden.

**Hazardous waste management**

- Waste generated from the Microbiology and Biotechnology laboratory i.e. culture media is autoclaved and then disposed in the drainage system.
- The Department of Chemistry has exhaust fans and proper ventilation to expel hazardous gases. Liquid waste generated in the laboratories of Chemistry and Environmental Science are diluted with water and then discharged.
- Department of Chemistry has organized Workshop on “Microscale Techniques in Chemistry” in order to reduce wastage.
- Sufficient numbers of dustbins are kept at each floor.

**e-waste management**

- E-waste is given to recycling agencies to reuse or dispose.

**7.2 Innovations**

**7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.**

During the last five years the college has undertaken many innovative steps for smooth functioning of the college. Some of them are –

- Feedback is sought from students, alumni and parents on syllabus, teaching-learning process and evaluation of teachers.
- E-learning facility for all the students.
- University recognized centre for Higher Learning and Research in Chemistry and Microbiology.

- Establishment of linkages with National and International organizations.
- Preparation and implementation of teaching plans, maintenance of Teacher's diary of academic work by all the faculty members, submission of syllabus completion report.
- Best Researcher, Best Library User, Best Environmental Teacher Awards are instituted.
- Completed/ongoing Major and Minor research projects.
- MoU with research and social organizations
- Introduction of P.G. Diploma in Ornithology and UGC funded and self-funded COP.
- Organization of three International and three National level conferences.
- Organization of student's workshops and seminars.
- The number of research publications has increased. Participation of teachers in National and International conferences has also been increased.
- Faculty members are awarded with Best Research Paper Award.
- Computerized library with LIBMAN software, Barcode, INFLIBNET-NLIST, Wi-Fi connectivity for students and staff.
- Computerized administrative office.
- Well equipped Science laboratories. Availability of sophisticated equipment facilities.
- The college encourages extension and outreach activity ensuring student's participation in various community programmes.

### **7.3 Best Practices**

**7.3.1 Elaborate on any two best practices in the given format which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.**

#### **Best Practice No.1**

**Title of Practice: "Conservation of Birds by Placing Artificial Birds' Nests and Providing Feeding (Grains) to them.**

**Goal:** Making of artificial bird's nests by using Bamboo and hard board materials and placing them at various places (trees) around the city and providing feeding (grains) to them.

**The context:** Many birds population are currently declining due to pollution, hunting, etc. The house sparrows that one's chirped around in large numbers are now spotted rarely. It is due to high rise buildings, lack of greenery and radiation from cell phone towers. There is a

shortage of feed too as agricultural land has been replaced with buildings. Such changes affect the breeding efficiency of the birds which results in declining their number.

**The Practice:** In order to increase the population of birds and providing nesting, our institution has carried out a project with the help of NSS students. In the last three years hundreds of artificial nests have been placed on the trees of selected places such as Rashtrasant Tukadoji Maharaj Nagpur University Campus, Vishweswarayya National Institute of Technology, Laxminarayan Institute of Technology and Raj Bhawan Biodiversity Park.

For this practice financial resource was generated from various sources such as Rs.21,000/- and Rs.15,000/- was collected from the staff members and selling of old newspapers, respectively. Students and staff collected the food grains which are used to feed the birds at specific feeding places.

**Evidence of Success:**

- Enthusiastic participation of staff, NSS students and Alumni Association.
- Word of appreciation from Raj Bhawan Administration and Nature Conservationists

**Problems faced:** Financial problem is solved by the cooperation of staff and Alumni Association.

**Contact details:**

Name of the Principal:	Dr. Pravin Charde
Name of the Institution:	Sevadal Mahila Mahavidyalaya
City:	Nagpur
Pin Code:	440024
Accredited Status:	A
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**Best Practice No.2**

**Title of Practice: “Best Teacher Award in Environmental Studies”**

**Goal:** Best Teacher Award in Environmental Studies is given to a College Teacher affiliated to RTM Nagpur University in order to recognize different aspects of service rendered by a teacher such as environmental research, teaching in environmental studies and work done for environmental protection, conservation and propagation of consciousness.

**The Context:** Today, the necessity of environmental awareness and its enforcement is more demanding and urgent than ever before. Environmental protection, conservation and awareness deserve to be propagated at all levels. In this context, Science Association of the College is actively involved in dissemination of message of conservation of nature, wildlife and biodiversity. The efforts given by a college teacher in environmental activities have also to be acknowledged and appreciated by all. In this context, best practice of giving Best Teacher Award in Environmental Studies' has been started.

**The Practice:** The Best Teacher Award in Environmental Studies is given in association with S. Chand and Co., Nagpur. The teachers are nominated, their bio-data are scrutinized and best teacher for the award is selected by panel of experts. Award is given in presence of General Manager of S. Chand and Co., Nagpur.

**Evidence of Success:** A grand function is organized in the Auditorium of the College every year. Till date four awards have been given.

- 1) Prof. Vinayak Tarale, Anand Niketan College, Warora on dated 5<sup>th</sup> September, 2010
- 2) Dr. Rahul J. Bhagat, J. M. Patel College, Bhandara dated 12<sup>th</sup> September, 2011
- 3) Dr. L. P. Nagpurkar, M. B. Patel College, Sakoli on dated 5<sup>th</sup> January, 2013
- 4) Dr. S. R. Sitre, N. S. College, Bhadrawati on December, 2013

**Problems Encountered:**

No problems encountered because expenditures related to award given function is sponsored by Publication House, M/s. S. Chand and Co., Nagpur.

**Contact details:**

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**Best Practice No.3**

**Title of Practice:** “Sewing and Embroidery Training Centre for Village Women of Narsala Grampanchayat, District Nagpur.

**Goal:** The idea behind the training centre is to educate and train village girls specifically college students, and women to develop self-employment and self-dependency in them.

**The context:** The College has started Sewing and Embroidery Training Centre at Village Narsala for the economic development of village girls and women. Objective of this project is to orient village girls students about fabrics and practical knowledge of sewing and embroidery.

**The Practice:** Dr. (Mrs.) N. A. Tiwade, Head, and Dr. (Mrs.) H. A. Padole, Assistant Professor, Department of Textile and Clothing looked after the centre. These faculty members have prepared the theory and practical curriculum for participants. In all 14 students were admitted during 2014-15 for the course. Rs.100/- per students was charged as fees. The batch started from 10<sup>th</sup> July, 2014 for a period of three months from 12.00 noon to 01.00 pm. daily. The College has appointed trainer Mrs. Nanda Fulmali to train the participants. Measurement, cutting and sewing of garments like kurta, salwar, saree blouse, frock, petticoat were taught at the centre. Certificates were distributed to the participants after completion of three months course.

**Evidence of Success:** Participants are satisfied and gave positive opinion in their feedback form.

**Problems faced:** Room for the Centre and other technical and financial support is provided by the College.

**Contact details:**

Name of the Principal:	Dr. Pravin Charde
Name of the Institution:	Sevadal Mahila Mahavidyalaya
City:	Nagpur
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**Best Practice No.4**

**Title of Practice: “Active participation of Staff and Students with Andhshraddha Nirmulan Samiti Activities.”**

**Goals:**

- To oppose harmful superstition that exploit people.
- To encourage constructive analysis of religious traditions and customs.
- Organization of program for spreading the scientific outlook.
- Educate the people and expose supernatural and miraculous claims and to explain scientific reasons behind them.

**The Context and Practice:** The staff members and students of Social Science Faculty have actively organized and participated in the Andhshraddha Nirmulan Samiti activities. Many activities have been jointly organized such as:

- 1) Awareness and Women Empowerment Programme at Women Arts and Commerce College, Nandanwan, Nagpur on dated 8<sup>th</sup> January, 2015.
- 2) Birth Anniversary Programme of Smt. Savitribai Fule was organized on dated 12<sup>th</sup> January, 2015. Mr. Avinash Patil, President, Maharashtra Andhshraddha Nirmulan Samiti, Mrs. Sushilatai Munde, Secretary, Maharashtra Andhshraddha Nirmulan Samiti and Prof. Rupa Kulkarni were the Guest Speakers.
- 3) Birth Anniversary Function of Dr. Babasaheb Ambedkar was organized on dated 16<sup>th</sup> April, 2015. Various functions and Guest Lectures were organized on this eve.
- 4) Guest Lectures of Prof. J. K. Pendse, Department of Sociology of the College and Mr. Sushil Meshram, Department of Marathi of the College were organized at different educational institutions.

**Evidence of Success:**

- Enthusiastic participation of staff and students
- Word of appreciation from office bearers of Maharashtra Andhshraddha Nirmulan Samiti.

**Contact details:**

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Name of the Institution:	Sevad al Mahila Mahavidyalaya
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**C: INPUTS FROM THE DEPARTMENTS**

1. Name of the Department : **Botany**
2. Year of Establishment : 1992
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1992

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.	Semester

6. Participation of the department in the courses offered by other departments
  - As laboratory of Department of Botany is not recognized for research, Ph.D. students were enrolled their name at Hislop College, Nagpur and Department of Microbiology, Sevadal Mahila Mahavidyalaya, Nagpur.
  - Dr. V. S. Dongre is University recognized Ph.D. Supervisor associated with the Higher Learning and Research Centre at Hislop College, Nagpur. Two students namely, Mr. Ashish P. Lambat and Mr. Shital A. Watile have been awarded Ph.D. Degree. Similarly, three students Mrs. Prachi A. Lambat, Mrs. Archana P. Humne and Ms. Sonal W. Indurkar are pursuing their Ph.D. programme under his supervision.
  - Dr. (Mrs.) S. V. Kulkarni was Supervisor and Dr. (Mrs.) K.V. Dubey was Co-Supervisor for the Ph.D. programme of Mrs. Kirti Dongare associated with the University recognized Research Centre in Microbiology, Sevadal Mahila Mahavidyalaya, Nagpur.
  - Dr. Mrs. S.V. Kulkarni and Dr. V. S. Dongre have participated in collaborative research programme with Government Ayurvedic College, Nagpur to identify the Flora of Government Ayurvedic College Campus, Nagpur during July 2011 to 2013.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of teaching posts:

	Sanctioned	Filled
Professors	-	-
Associate Professors	02	02
Assistant Professors	01	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

**Permanent Faculty:**

Name of the Faculty	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. (Mrs.) S. G. Desai	M.Sc. Ph.D.	Associate Professor and Head	Embryology	21 (Retd. 2013-14)	-
Dr. (Mrs.) S. V. Kulkarni	M.Sc. M.Phil. Ph.D.	Associate Professor and Head (2014-15)	Embryology and Palynology	22	-
Dr. V. S. Dongre	M.Sc. Ph.D.	Associate Professor	Cytogenetics	16	02

**Temporary Faculty:**

Name of the Faculty	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. (Mrs.) M. C. Bhonde	M.Sc., M.Phil., Ph.D.	Contributory teacher	Aerobiology	02	-
Mrs. A. R. Dhawanjewar	M.Sc., B.Ed.	Contributory teacher (2014-15)	-	01	-
Dr. (Mrs.) I. P. Bhagat.	M.Sc. B.Ed. M. Phil Ph. D.	Contributory teacher	Palynology	01	
Ms. S. Y. Kewate	M.Sc. B.Ed.	Contributory teacher	-	01	-

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

S.No.	Programme	Theory per week	Practical per week	%
1	UG	03	09	22%

13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	46:01	40:01	41:01	93:01	100:01

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Laboratory Attendant: 01

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D. /MPhil / PG.

	D.Sc	Ph.D.	M.Phil	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	03	-	-	-
No. of Temporary Faculty	-	01	-	-	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major/ Minor Projects (Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grants received
Dr. (Mrs.) S. V. Kulkarni	Minor/ Completed	Studies of some traditional medicinal plants and their effects on pituitary testicular axis on male Albino rat. (February, 2009)	UGC	1,00,000/-
Dr. V.S.Dongre	Minor/ Completed	Effects of industrial effluent on <i>Triticum aestivum</i> and <i>Brassica campestris</i>	UGC	80,000/-
Dr. (Mrs.) S. V. Kulkarni	Major/ Completed	Studies on physico-chemical parameter, micro flora and antibacterial activity of some branded honey and local honey in Nagpur region. (February, 2011)	UGC	8,42,361/-

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Dr. (Mrs.) S. G. Desai	01	03	-		-	-	-	-
Dr. (Mrs.) S. V. Kulkarni	05	15	-		0.7	1.120	0.702	-
Dr. V.S. Dongre	02	04	-		-	-	-	-

b) Books per faculty

Name of Faculty	No. of Books published with ISSN No.	Chapters in Books	Books Edited
Dr. (Mrs.) S. G. Desai	1) Simplified Plant Physiology 2) Practical Botany. B. Sc.-III	Conservation of Medicinal Plant <i>Rauwolfia tetraphylla</i> (Linn.) In Impact of global Climate Change on Earth Ecosystems, Biotech Books, New Delhi 2013, pp 49-61. ISBN No. 978-8176-222 624	-
Dr. (Mrs.) S. V. Kulkarni	1) A Text Book of Botany Fungi, Lichen, Plant Pathology and Bryophyta Rajni Publication, Nagpur, 2014, ISBN No. 978-93-83619-17-7 2) A Text Book of Botany: Viruses, Prokaryotes and Algae, Rajni Publication, Nagpur, 2014, ISBN No. 978-93-83619-23-8 3) A Text Book for B.Sc. Semester-I Botany: Viruses, Prokaryotes and algae, CTP, Nagpur, ISBN No. 978-81-89178-50-5.	Native flora of various compartments of Gorewada Forest, Nagpur District, Nagpur (MS) India, In Biodiversity conservation and environmental management, Biotech Books, New Delhi 2013, pp.341, ISBN: 978-8176222624.	-
Dr. V. S. Dongre	-	Effect of Heavy Metals on <i>Hordeum vulgare</i> and <i>Linum usitatissimum</i> In Climate Change, Effects on Agriculture and Economics, Biotech Books, New Delhi, 2013, pp.335-344, ISBN No. 978-8176-222 624	-

c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/proceeding) at Conferences/Seminars		No. of Conferences/Seminars attended
	International	National	
Dr. (Mrs.) S.G. Desai	04	04	13
Dr. (Mrs.) S. V. Kulkarni	14	09	33
Dr. V. S. Dongre	02	07	17

20. Areas of consultancy and income generated

Sr. No.	Description about consultancy services rendered	Income generated
2014-15	Plant Identification- Government Ayurvedic College, Nagpur.	Honorary consultancy

21. Faculty as members in

Name of Faculty	Inter-national Committee(s)	National Committee(s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Dr. (Mrs.) S.G. Desai	-	-	Member of BOS in Botany in 2010-11	Co-Editor of Journal of Biological and Physical Sciences, ISSN No. 2319-636x Vol. II: Nov. 2012. Co-Editor of Special Issue of Journal Bionano Frontier, ISSN 0974-0678
Dr. (Mrs.) S. V. Kulkarni	-	-	-	Associated Editor of International Journal of Researches in Biosciences, Agriculture and Technology, 2015 ISSN No. 2347-517X
Dr. V. S. Dongre	-	-	LEC: 2013-14 2014-15	Co-Editor of Journal of Biological and Physical Sciences, ISSN No. 2319-636x Vol. II: Nov. 2012. Co-Editor of Special Issue of Journal Bionano Frontier, ISSN 0974-0678

## 22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme: Nil
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

## 23. Awards / Recognitions received by faculty and students:

- Dr. (Mrs.) Sulbha V. Kulkarni has been recognized as Ph.D. Supervisor in 2012.
- Dr. (Mrs.) Sulbha V. Kulkarni has worked as Rapporteur in II<sup>nd</sup> World Congress for Man and Nature-2012 on Global Change: Impact on Biodiversity, Culture and Technology on 03, 04 and 05 November, 2012.
- Dr. (Mrs.) Sulbha V. Kulkarni worked as Jury of State Level Students Seminar (Scintillation-2015) at J.B. Science College, Wardha on 27<sup>th</sup> February, 2015.
- Dr. (Mrs.) Sulbha V. Kulkarni has been awarded B.A. Degree in Vedang Jyotishya Examination conducted by Kavi Kulaguru Kalidas University, Ramtek, Nagpur, 2015.

- Dr. (Mrs.) Sulbha V. Kulkarni has worked as Rapporteur in National Conference held at Nagpur on 4<sup>th</sup> October, 2015.
- Dr. (Mrs.) Sulbha V. Kulkarni has worked as Rapporteur in 21-23<sup>rd</sup> International Conference held at Dubai on 21-23<sup>rd</sup> November, 2015.
- Dr. (Mrs.) Sulbha V. Kulkarni has worked as cochairperson for poster competition in 21-23<sup>rd</sup> International Conference held at Dubai on 21-23<sup>rd</sup> November, 2015.
- Dr. (Mrs.) Sulbha V. Kulkarni has awarded Distinguished Researcher Award in 21-23<sup>rd</sup> International Conference held at Dubai on 21-23<sup>rd</sup> November, 2015.

24. List of eminent academicians and scientists /visitors to the Department: Nil

25. Seminars/ Conferences/Workshops organized and the source of funding

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
National	Joint organization of National Seminar by Science and Home Science Faculties on “Recent Trends in Life Sciences, Material Sciences and Home Sciences” on dated 4 <sup>th</sup> October, 2015.	Self-financed and Registration fee	
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012”.	UGC	100000.00

26. Student profile programme/course wise:

Name of the Course/ programme (refer question no. 4)	Academic Year	Applicat ions received	Selected (Appeared for Exam.)	Enrolled		College Result		
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %
<b>B.Sc.-III</b>	2010-11	19	19	-	19	-	16	80.64
	2011-12	14	14	-	24	06	13	92.85
	2012-13	18	18	-	18	06	11	61.11
	2013-14	21	20	-	21	04	12	60.00
	2014-15	41	41	-	41	07	24	58.53

27. Diversity of Students: Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Nil

29. Student progression

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	2.43
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
□ Campus selection	-
□ Other than campus recruitment	1.62
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

<b>S.N.</b>	<b>Facility</b>	<b>Status</b>	<b>No.</b>
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Library: 134 Central Library : 560 Central Library: 75 Central Library: 03
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	01 -- -- --
3	Class rooms with ICT facility	(i) LCD Projector	01 LCD Projector in each class room.
4	Laboratories (UG/PG/ Research)	Instrumentation Facilities  Infrastructural Facilities	Centrifuge, Top Pan Digital Balance, Calorimeter(Photo), Spectrophotometer, Soxhlet Extracting Heater with mantle, Incubator, Digital pH meter, Water Bath Thermostat, Oven, Distillation Assembly, Honey Refractometer, Microscope Binocular (with photographic attachment), Digital Conductivity meter, Advanced Research Microscope, Camera(Digital).  UG Laboratory - 01 HOD Room - 01 Staff room - 01

31. Number of students receiving financial assistance from college, university, government or other agencies:

An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts
- Dr. T. Shriniwasu, Assistant Professor, Department of Botany, PGTD, Nagpur on 'Satellite DNA and Repetitive DNA' dated 13<sup>th</sup> January, 2011.
  - Dr. Priti Katakwar on 'Bonsai Plant' on 23<sup>rd</sup> August, 2011.
33. Teaching methods adopted to improve student learning  
Power point presentation, Assignments, seminars, group discussion, guest lecture and through field activity/excursion. We use charts in addition to blackboard teaching method
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Educational visits to Shivam Foods – Parle-G Factory, Nagpur on dated 11<sup>th</sup> August, 2015.
  - Educational visits to Biodiversity Park, Raj Bhawan, Nagpur on dated 14<sup>th</sup> September, 2013; Khekra Nalah on dated 8<sup>th</sup> January, 2011 and Pench National Park on 11<sup>th</sup> January, 2012.
  - Faculty members have participated in one week long educational-cum-recreational tour at Delhi-Dehradun from 11<sup>th</sup> to 17<sup>th</sup> December, 2011.
  - Faculty members have participated in one week long educational-cum-recreational tour at Bangaloor-Mysore-Ooty from 19<sup>th</sup> to 25<sup>th</sup> January, 2013.
  - Faculty members have participated in one week long educational-cum-recreational tour at Jaipur-Udaipur-Chittorgarh from 29<sup>th</sup> January, 2015 to 4<sup>th</sup> February, 2015.
  - Local Botanical Excursion at Japanese Garden, Nagpur on 10<sup>th</sup>
  - Participation in wildlife week celebration of forest department.
  - Participation in social functions organized by the Seval Education Society.



35. SWOC analysis of the department and Future plans

**STRENGTHS:**

- Permanent and qualified teaching staff.
- Faculty members have completed Minor and Major research projects.
- Research students have registered for their Ph.D. programme under the Supervision of faculty members at Higher Learning and Research Centre, Hislop College, Nagpur.

**WEAKNESSES:**

- Place for higher learning is to be established.
- Less employment opportunities.
- Percentage of students pursuing higher education is less.

**OPPORTUNITIES:**

- Establishment of University recognized Place for Higher Learning and Research.
- To undertake Research projects.
- To increase the collaborative research activities with other institutions.

**CHALLENGES:**

- To improve the passing percentage of students.
- To improve the skills amongst the students to face the competition in the field of career development.

**FUTURE PLAN:**

- Upgradation of UG laboratory by mobilization of UGC grants for the development of department through research project.

■■■

1. Name of the Department : **Chemistry**
2. Year of Establishment : 1992-1993
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1992
PG	2007
Ph.D.	2015

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.	Semester
2	M.Sc.	Choice Based Credit System

6. Participation of the department in the courses offered by other departments:
  - Dr. (Mrs.) A. S. Mahakalkar was the Co-Investigator in multi-disciplinary Major Research Project sanctioned to Dr. (Mrs.) S. V. Kulkarni, Principal Investigator, Department of Botany, Sevadal Mahavidyalaya Nagpur.
  - Dr. (Mrs.) N. S. Dhoble was the Co-Investigator in Major Research Project sanctioned to Dr. S. J. Dhoble, Principal Investigator, Department of Physics, PGTD, R.T.M. Nagpur University, Nagpur.
7. Courses in collaboration with other universities, industries, foreign institutions, etc: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

	Sanctioned	Filled
Professors	-	-
Associate Professors	03	03
Assistant Professors	03	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

**Permanent Faculty :**

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. (Mrs.) A. S. Mahakalkar	M.Sc., Ph.D.	Associate Professor	Inorganic	21	-
Dr. (Mrs.) N. S. Dhoble	M.Sc., Ph.D.	Associate Professor	Organic	21	-
Dr. (Mrs.) M. P. Patil	M.Sc., Ph.D.	Associate Professor	Physical	18	-
Dr. (Mrs.) P. P. Chahande	M.Sc., Ph.D.	Assistant Professor	Organic	16	-
Mrs. A. M. Duragkar	M.Sc., NET	Assistant Professor	Organic	10	-

**Temporary Faculty :**

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms. N. S. Sarode	M.Sc.	Ad-hoc		04	-
Ms. M. H. Taywade	M.Sc.	CHB		03	-
Ms. S. N. Nandeshwar	M.Sc.	CHB	Organic	03	-
Ms. R. S. Meshram	M.Sc.	CHB		01	-

11. List of senior visiting faculty

Name of Faculty	Contribution in PG Teaching
1. Dr. H. M. Daga, Ex. HOD, Sindhu College, Nagpur	2008 to 2014
2. Mr. Ajay Ghatbandhe, Assistant Professor, SFS College, Nagpur	2009 to 2014
3. Dr. Rashmi Gupta, Assistant Professor, Mohata Science College, Nagpur	2010 to 2014
4. Dr. S. D. Deosarkar, Associate Professor, SFS College, Nagpur	2008 to 2010
5. Mr. Ashish Wakulkar, Assistant Professor, Anandniketan College, Warora	2013 to 2014

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

UG : Nil  
PG : 100%

13. Student -Teacher Ratio (programme wise)

Course	2011-12	2012-13	2013-14	2014-15	2015-16
UG	46:1	57:1	38:1	54:1	96:1
PG	6:1	6:1	6:1	6:1	7:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Lab. Attendant : 02

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	04	-	01	-
No. of Temporary Faculty	-	-	-	-	04

16. Number of faculty with ongoing projects from a) National  
b) International funding agencies and grants received: **01, Rs.9,21,200**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major/Minor Projects (Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grants received
Dr. (Mrs.) A. S. Mahakalkar	Major/ Ongoing	Risk assessment of heavy metals toxicity (biomagnificants) through contaminated vegetables from waste water (Nag River) irrigated areas of Nagpur, India.	UGC	9,21,200
	Minor/ Completed	Synthesis ,characterization structural studies and applications of supramolecules	UGC	1,10,000
Dr. (Mrs.) N. S. Dhoble	Minor/ Completed	Development of silicate based inorganic nanophosphors and its applications	UGC	2,00,000

18. Research Centre /facility recognized by the University

Session	Ph.D. Students enrolled	Ph.D. Awarded (Name of Students)	Thesis Submitted (Name of Students)
2014-15	1) Mrs. A. M. Duragkar 2) Ms. S. N. Nandeshwar	-	-

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	h Index
	National	International						
Dr. (Mrs.) A. S. Mahakalkar	04	10	01	-	-	-	-	-
Dr. (Mrs.) N.S.Dhoble	06	50	36	100	55.29	18.06	17.28	06
Dr. (Mrs.) M. P. Patil	02	05	01	-	-	-	-	-
Dr. A. K. Rathod	03	18	-	-	-	1.215	0.693	-
Dr. (Mrs.) P. P. Chahande	02	04	-	-	-	-	-	-
Mrs. A. M. Duragkar	01	-	-	-	-	-	-	-

b) Books per faculty

Name of Faculty	No. of Books published with ISSN No.	Chapters in Books	Books Edited
Dr. (Mrs.) A. S. Mahakalkar and Dr. (Mrs.) M. P. Patil	A Text Book of Chemistry for B.Sc. Semester-IV, Sai Jyoti Publication, 2014, ISBN: 978-93-81432-48-8	-	
Dr. (Mrs.) N. S. Dhoble	1. Inorganic Chemistry B.Sc.-I Sem-I 2. Physical Chemistry B.Sc.-I Sem-I 3. Organic Chemistry B.Sc.-I Sem-II 4. Physical Chemistry B.Sc.-I Sem-II 5. Inorganic Chemistry B.Sc.-II Sem-III 6. Organic Chemistry B.Sc.-II Sem-III Das-Ganu Publication, Nagpur, 2013, ISBN 978-93-81660-63-8 7. Inorganic Chemistry B.Sc.Sem.IV 8. Physical Chemistry B.Sc.Sem IV Das-Ganu Publication, Nagpur, 2014 ISBN 978-93-81660-63-8	Li based Phosphors for Thermoluminescence Dosimetry <i>In</i> Radiation Synthesis of Materials and Compounds, Biotech Books, New Delhi, 2012, pp.147-192	
Dr. (Mrs.) M. P. Patil and Dr. (Mrs.) P. P. Chahande		Studies of Adsorption from the adsorbent Prepared from Waste Material <i>In</i> Sustainable Approaches for Environmental Conservation, Biotech Books, New Delhi, 2012, pp.127-133, ISBN: 978-81-7622-280-8)	

c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/ proceeding) at Conferences/Seminars		No. of Conferences/ Seminars attended (Total )
	International	National	
Dr. (Mrs.) A. S. Mahakalkar	11	07	34
Dr. (Mrs.) N. S. Dhoble	33	40	78
Dr. (Mrs.) M. P. Patil	05	04	15
Dr. A. K. Rathod	03	15	19
Dr. (Mrs.) P.P. Chahande	05	06	27
Mrs. A.M.Duragkar	01	03	16

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

Name of Faculty	International Committee(s)	National Committee (s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Dr. (Mrs.) A. S. Mahakalkar	-	-	<ul style="list-style-type: none"> <li>Member of Subject Examination Committee in Chemistry, RTMNU, from 2011-2015.</li> <li>Member, University Constituted selection committees.</li> <li>Member of LECs</li> </ul>	-

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme (For 2013-14 & 2014-15) –

Sr. No.	Name of Teacher	No. of M.Sc. Projects
1	Dr. (Mrs.) A. S. Mahakalkar	04
2	Dr. (Mrs.) N. S. Dhoble	03
3	Dr. (Mrs.) M. P. Patil	03
4	Dr. (Mrs.) P.P. Chahande	02
5	Mrs. A. M.Duragkar	01

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students:

1. Dr. (Mrs.) A. S. Mahakalkar has been recognized as Ph.D. Supervisor in Gondwana University in 2014.
2. Dr. (Mrs.) N. S. Dhoble has received 'Leading Scientist of the World-2012, recognition for outstanding research work instituted by International Biographical Centre, England in 2012.

3. Dr. (Mrs.) N. S. Dhoble has received Best Researcher Award instituted by College for Highest Citation Index and Impact Factor research paper publications in 2015.

24. List of eminent academicians and scientists / visitors to the Department

S.N.	Name of Academician	Purpose	Year
1.	Dr.Dhaneshwar Zha, Department of Chemistry, S. K. University, Jharkhand	PG Practical Exam.	2011
2.	Dr. B.K.Tiwari, C.L.Jain College, Agra	PG Practical Exam.	2011
3.	Dr.S.R.Dighade, Badnera Science College, Amravati	PG Practical Exam.	2011
4.	Dr.A.R.Raut, V.M.V.College, Amravati	PG Practical Exam.	2011
5.	Dr.A.U.Ganar, Amolakchand Mv., Amravati	PG Practical Exam.	2011
6.	Dr.B.K.Sinha, Magadh University, Bodhgaya	PG Practical Exam.	2011
7.	Dr.Mudit Gupta, L.B.S.College, Jaipur	PG Practical Exam.	2012
8.	Dr.K.G.Ojha, MDS University, Ajmer	PG Practical Exam.	2012
9.	Dr.P.R. Mandlik, Sivagi Science College, Amravati	PG Practical Exam.	2012
10.	Dr.A.S.Aswar, PGTD SGBU, Amravati	PG Practical Exam.	2012
11.	Dr.R.A.Mane, Dr.BAMU, Aurangabad	PG Practical Exam.	2012
12.	Dr.D.I.Brahmabhatt, S.P.Univ.Vallabh, Vidyanagar, Gujrat	PG Practical Exam.	2012
13.	Dr.R.N.Shukla, Samrat Ashok Institute of Technology, Vidisha-Bhopal	PG Practical Exam.	2013
14.	Dr.(Mrs.) Gulwade, Institute of Science, Nagpur	PG Practical Exam.	2013
15.	Dr.V.M.Vishnav, PGTD Gangabharti Vidyapeeth, Korba (Chattisgarh)	PG Practical Exam.	2013
16.	Dr.V.K.Mehta, School of Chemistry, Vikram University, Ujjain	PG Practical Exam.	2013
17.	Dr.V.T.Kamble, PGTD SRTM Univ., Nanded	PG Practical Exam.	2013
18.	Dr.D.S.Thakur, Vanamore, Gwalior	PG Practical Exam.	2013
19.	Dr.S.D.Thakur, Br.RDIK & NKD College, Badnera, Amravati	PG Practical Exam.	2013
20.	Dr.S.Bombatkar, VMV College, Amravati	PG Practical Exam.	2013
21.	Dr.D.G.Dhule, Aurangabad	PG Practical Exam.	2013
22.	Dr.G.B.Pachade, Amolakchand Mv., Yeotmal	PG Practical Exam.	2013
23.	Dr.V.D.Thakre, VMV, Amravati	PG Practical Exam.	2013
24.	Dr.Y.R.Katre, Kalyan PG College, Bhilai	PG Practical Exam.	2014
25.	Dr.P.R.Rajput, Vidyabharti College, Amravati	PG Practical Exam.	2014
26.	Dr.Pradip Parashar, PG College, Jhalawar, Rajasthan	PG Practical Exam.	2014

**25. Seminars/ Conferences/Workshops organized and the source of funding**

<b>Conference/ Seminar/ Workshop</b>	<b>Title</b>	<b>Source of Funding</b>	<b>Grant received Rs.</b>
National	Joint organization of National Seminar by Science and Home Science Faculties on “Recent Trends in Life Sciences, Material Sciences and Home Sciences” on dated 4 <sup>th</sup> October, 2015.	Self financed and Registration fee	-
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012”.	UGC	1,00,000.00

**26. Student profile programme/course wise:**

<b>Name of the Course/ programme</b>	<b>Academic Year</b>	<b>Applica- tions received</b>	<b>Selected (Appeared for Exam.)</b>	<b>Enrolled</b>		<b>College Result</b>		
				<b>*M</b>	<b>*F</b>	<b>1<sup>st</sup> Class</b>	<b>Pass</b>	<b>Pass %</b>
<b>B.Sc.-III</b>	2010-11	99	97	-	97	15	49	50.5
	2011-12	59	59	-	59	07	42	71.8
	2012-13	64	64	-	64	02	27	42.2
	2013-14	65	64	-	64	07	32	50.0
	2014-15	95	93	-	93	11	36	38.7
<b>M.Sc.-II</b>	2010-11	13	13	-	13		03	23.1
	2011-12	13	13	-	13	05	01	46.1
	2012-13	15	15	-	15	10	02	80
	2013-14	05	05	-	05	00	01	20
	2014-15	08	08	-	08	00	02	25
<b>Ph.D.</b>	2014-15	02	-	-	-	-	-	-

**27. Diversity of Students**

<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>
B.Sc.	99%	<1%	--
M.Sc	100	--	--



28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Nil

29. Student progression:

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	14%
PG to M.Phil.	-
PG to Ph.D.	4%
Ph.D. to Post-Doctoral	-
<b>Employed</b>	-
Campus □ selection	
Other □ than campus recruitment	
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

<b>S.N.</b>	<b>Facility</b>	<b>Status</b>	<b>No.</b>
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Library: 130 Central Library : 1259 Central Library: 238 Central Library: 03
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	01 Wi-Fi Campus 01 -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in each class room.
4	Laboratories (UG/PG/ Research)	Instrumentation Facilities  Infrastructural Facilities	1) UV-vis spectrophotometer 2) Muffle furnace 3) Electrical digital balance UG Lab - 01 PG Lab - 01  Research Lab - 01 HOD Room- 01 Staff Room-01 Balance Room – 01 Store Room - 01

31. Number of students receiving financial assistance from college, university, government or other agencies

Nearly 70% of the students receive financial assistance from Government  
3-4% financial assistance is given by the college to the needy students.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

- Dr. Ajitkumar Mohanty, Scientist, Nuclear Physics Division, BARC Mumbai on 'Large Hadron Collider at CERN, Geneva' dated 12<sup>th</sup> January, 2011.
- Dr.B.C. Bhatt Senior Scientist, BARC, Mumbai on 'Radiation safety Measures' dated 26<sup>th</sup> August, 2011.
- Dr. K.V.R. Murthy, Faculty of Technology & Engineering, M. S. University, Baroda on 'Physics of Fluroscent Lamps and LEDs' dated 26<sup>th</sup> December, 2011.
- Dr. S. H. Pawar, Vice-Chancellor, D. Y.Patil University, Kolapur on 'Global Co-operation to meet Challenges of 21<sup>st</sup> Century' dated 26<sup>th</sup> December, 2011.
- Dr. R. N. Shukla, Samrat Ashok Institute of Technology, Bhopal on 'Analytical Methods of Chemical Analysis' dated 11<sup>th</sup> January, 2013
- Mrs.Suman R. Menon, Director, Indian Institute of Clinical Research and Management on 'Innovative approaches in clinical research' dated 31<sup>st</sup> January, 2014.
- Miss Shruti Radke, Indian Institute of Clinical Research and Management on 'Phases of Clinical Research' dated 1<sup>st</sup> February, 2014.
- Mrs.Suman R. Menon, Director, Indian Institute of Clinical Research and Management on 'Clinical Research' dated 10<sup>th</sup> October, 2014.
- Dr. Mrs. S. S. Deo, Associate Professor, Institute of Science, Nagpur on 'Medicinal Chemistry' dated 24<sup>th</sup> March, 2015.
- Dr. Pradip Parashar, Associate Professor, Govt. P.G. College Jhalawar Rajasthan on 'Adsorption' dated 22<sup>nd</sup> June, 2015.

33. Teaching methods adopted to improve student learning

1. Chalk and Black board
2. Use of PowerPoint presentations, charts and models
3. Demonstration of practicals, group discussion on particular topic, students seminar and project work.
4. Educational visits
5. Continuous monitoring through assignment and unit test.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Under extension activity the department has conducted analysis of potable water at the village, Hudkeshwar (Khurd) Grampanchayat on 02<sup>nd</sup> May, 2015. Water was analysed by measuring pH, electrical conductance and TDS. Results were discussed with villagers and were advised to take corrective measures with the help of health workers and ZP authorities.

- Faculty members have participated in one week long educational-cum-recreational tour at Delhi-Dehradun from 11<sup>th</sup> to 17<sup>th</sup> December, 2011.
- Faculty members have participated in one week long educational-cum-recreational tour at Bangalore-Mysore-Ooty from 19<sup>th</sup> to 25<sup>th</sup> January, 2013.
- Faculty members have participated in one week long educational-cum-recreational tour at Jaipur-Udaipur-Chittorgarh from 29<sup>th</sup> January, 2015 to 4<sup>th</sup> February, 2015.
- Participation in wildlife week celebration of forest department.
- Participation in social functions organized by the Sevadal Education Society.

35. SWOC analysis of the department and Future plans

**STRENGTHS**

- Well Equipped UG & PG Laboratory.
- Mentor-Ward and Tutor Ward system for students.
- Received recognition as a Centre for Higher Learning and Research
- Faculty Members are recognized as Ph.D. Supervisor, two students are enrolled for Ph.D. programme.
- Three Minor Research projects and one major research project has successfully completed by faculty members. One Major Research project is ongoing
- Three minor project proposals have been submitted.
- The department has published 87 research papers in International and 17 papers in National journals in the last 5 years.
- The faculty members have published total 37 books with ISBN numbers and a chapter in a book of CRC publication.
- One of the research papers published has an impact factor of 5.907.
- Research linkages have been developed with i) Inter-university Accelerator Centre, New Delhi. ii) Department of Physics, RTM Nagpur University, Nagpur.
- Good cooperation amongst all faculty members.

**WEAKNESSES:**

- No significant job opportunity in Vidarbha region.
- Fear about the numerical problems in chemistry in the minds of students need to be eliminated.

**OPPOPTUNITIES :**

- Receipt of recognition for Research Centre to the department opened an opportunity for research work to proliferate further.
- There is an opportunity and to set up Research laboratory with sophisticated instruments viz. FTIR and spectroflurometer etc.
- Innovative P.G. Diploma courses can be introduced to enhance research culture viz. nanotechnology.

**CHALLENGES :**

- To increase the progression of students from UG to PG.
- To start NET/SET training programme.

**FUTURE PLANS :**

- To provide consultancy service for water quality analysis.
- Well developed and equipped Research Laboratory is to be developed.
- To carry research work in the field of Green chemistry, which is ecofriendly, energy saving.
- To set up double distilled water plant.

■■■

1. Name of the Department : **Environmental Science**
2. Year of Establishment : **1992**
3. Names of Programmes /Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1992-1993
PG	2001-2002
Ph.D.	2005-2006
PG. Diploma	-
COP	2007-08

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.	Semester
2	M.Sc.	Choice based credit system (Semester)
3	COP	Quarterly Or 3 months duration
4	Ph.D.	Laboratory work followed by open Viva

6. Participation of the department in the courses offered by other departments: **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of Teaching posts:

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	03	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

**Permanent Teachers :**

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. P.U. Meshram	M.Sc., Ph.D.	Assistant Professor	Water & Wastewater Analysis	22	03
Dr. S.L. Pal	M.Sc., Ph.D.	Assistant Professor	Water Treatment by Adsorption	19	Nil
Dr. (Mrs.) B.S. Tapase	M.Sc., Ph.D.	Assistant Professor	Water Quality Monitoring & Management	17	-

**Adhoc & Contributory Teacher for P.G. Courses :**

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms. Bhavana Kore	M.Sc. (NET)	Adhoc Teacher	-	-	-
Ms. Prajakta Khotpal	M.Sc.	Contributory Teacher	-	01	-

**11. List of senior visiting faculty:**

Name of the Faculty	Contribution in PG Teaching from 2010-2015
Dr. Kaustav Chatterjee, Head, Environmental Science Division, Reva Enviro System Pvt. Ltd., Nagpur	Biological Wastewater Treatment
Dr. D.G. Battalwar, Assistant Manager, Vidarbha Enviro Protection PVT. Ltd. Buttibori Dist. Nagpur.	Air and Noise Pollution Control Technology
Dr. P.R. Choudhary, Deputy Director, EIRA Division NEERI Nagpur-20	Solid and Hazardous waste

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty**

UG : Nil  
PG : Temporary faculty - 75%

**13. Student -Teacher Ratio (programme wise)**

Session	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
UG	37:1	28:1	30:1	38:1	34:1
PG	5:1	5:1	4:1	4:1	4:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Lab. Assistant : 01

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./MPhil / PG.**

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	03	-	-	-
No. of Temporary Faculty	-	-	-	01	01

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major / Minor Projects (Status: Completed / Ongoing)	Title of the Project	Funding Agency	Grants Sanctioned	Grants Received
Dr. P.U. Meshram	Completed (Minor)	“Assessment and evaluation of water distribution system through quality characterization and treatment of storage in Nagpur City”	UGC	1,30,000	85,000/-
Dr. S. L.Pal	Completed (Minor)	“Enhancement of Biogas Production in Cattle Dung Digestion through Jatropha Curcas Oil Cake Amendment”	UGC	1,75,000	1,45,000/-
Dr. B.S. Tapase	Completed (Minor)	Detrimental Effects of Mining Effluent on Ground Water Quality of East Umrer, Vidarbha (M.S.)	UGC	1,20,000	80,000/-

18. Research Centre /facility recognized by the University

Session	Ph.D. Students enrolled	Ph.D. Awarded (Name of Students)	Thesis Submitted (Name of Students)
2010-11	-	1. Ms. Shraddha Dhadse 2. Mr. R. M. Kasambe 3. Ms. S. R. Verma	-
2011-12	-	4. Ms. B. S. Tapase	-
2012-13	-	5. Ms. Rashmi Onkar	1. Mr. Amit Mishra
2013-14	-	-	2. Ms. Vijaya Shegokar 3. Mr. Swapnil Kamble 4. Mr. T. S. Buddhe
2014-15	-	-	5. Mr. Rajnikant Bidhadhar 6. Ms. Dipti R.Giri 7. Ms. Adiba. K. Sheikh 8. Miss. Manisha Giripunje

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publications listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	International						
Dr. P. U. Meshram	04	08	7	1	3.047	-	0.75	1
Dr. S. L. Pal	-	01	-	-	-	-	-	-
Dr. (Mrs.) B. S. Tapase	03	06	-	-	-	-	-	-

b) Books per faculty: NIL

c) Publication per faculty in National / International Conferences / Seminars / Workshop

Name of Faculty	No. of papers presented (oral/poster/proceeding) at Conferences/Seminars/Workshop		No. of Total Conferences/Seminars attended
	International	National	
Dr. P. U. Meshram	05	08	13
Dr. S. L. Pal	03	-	10
Dr. (Mrs.) B. S. Tapase	02	01	11

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

Name of Faculty	International Committee (s)	National Committee (s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Dr. P. U. Meshram	-	-	<ul style="list-style-type: none"> <li>Chairman of BOS in Environmental Science, R.T.M. Nagpur University, Nagpur</li> <li>Chairman of LECs R.T.M. Nagpur University, Nagpur</li> <li>Member of University constituted Selection Committee for the appointment of Assistant Professor in Environmental Science.</li> <li>Member of Academic Council, R.T.M Nagpur University, Nagpur</li> </ul>	Reviewer for International Inter disciplinary Research Journal



			<ul style="list-style-type: none"> <li>• Member of Subject Examination Committee in Environmental Science, SGBA University.</li> <li>• Member of BOS in Environmental Science, Sant Gadge Baba Amravati University, Amravati</li> <li>• Member of BOS in Env. Science, S.R.T.M.U. Nanded</li> <li>• Member of BOS in Environmental Science Kuvempu University, Shimoga, Karnataka</li> </ul>	
Dr. S.L.Pal	-	-	<ul style="list-style-type: none"> <li>• Member of B.O.S. in Environmental Science, R.T.M. Nagpur University</li> <li>• Member of LECs, R.T.M. Nagpur University, Nagpur</li> </ul>	-

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

Sr. No.	Name of Teacher	No. of M.Sc. Projects
1.	Dr. P.U. Meshram	28

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students

- Dr. P. U. Meshram has been recognized as Ph.D. Supervisor by Sant Gadge Baba Amravati University, Amravati for Environmental Science. w.e.f. 26.5.2011
- Dr. Mrs. B. S. Tapase has been awarded Ph.D. Degree in 2012.
- Dr. S. L. Pal has received Best Poster Award in 1<sup>st</sup> International Congress of science & technology for society organized by Vishwashanti Multipurpose Society, Nagpur on May 23-25, 2014 at Hotel Bangkok Place, Bangkok, Thailand.
- Dr. P. U. Meshram has received “Bharat Shiksha Ratan Award” for the contribution in environmental education and awareness on, 22 Sept. 2014 organized by Global Society for Health and Educational Growth, New Delhi.

## 24. List of eminent academicians and scientists / visitors to the Department

S. N.	Name of Academician /Scientist visited	Purpose	Date
1	Dr. Vinayak Dhulap, Assistant Professor and Head, Solapur University, Solapur	PG Practical Examiner	June 5 & 6, 2015
2	Dr. Mahendra Thakre, Head, Department of Environmental Science, ACS College of Science, Tukum, Chandrapur	PG Practical Examiner	June 8 & 9, 2015
3	Dr. A.B.Bhosale, Associate Professor, Department of Environmental Science, S.R.T.M.N.U., Nanded	PG Practical Examiner	June 11 & 12, 2015
4	Dr. P.R. Choudhary, General Manager, Grassroot Research Laboratory, Noida (UP)	PG Practical Examiner	June 15 & 16, 2015
5	Dr. S.R. Thorat, Professor, Department of Environmental Science, North Maharashtra University, Jalgaon	PG Practical Examiner	June 19, 2015
6	Dr. Rubina Chaudhary, Associate Professor, Department of Environmental Science, Devi Ahilya University, Indore.	PG Practical Examiner	November, 2015
7	Dr. E.T. Puttaiah, Ex V.C., Gulbarga University, Gulbarga.	PG Practical Examiner	November, 2015
8	Dr. M.G. Thakare, Chairman, BOS Gondwana University, Chandrapur.	PG Practical Examiner	November, 2015

## 25. Seminars/ Conferences/Workshops organized and the source of funding

Conference/Seminar/ Workshop	Title	Source of Funding	Grant received
International	Jointly organized with II World Congress for Man & Nature on Global Change: Impact on Biodiversity, Culture and Technology (WCMANU) Organized by Sevadal Mahila Mahavidyalaya, Nagpur on dated 3-5 <sup>th</sup> November, 2012.		

26. Student profile programme/course wise:

Name of the Course/ programme	Academic Year	Applications received	Selected (Appeared for Exam.)	Enrolled		College Result		
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %
<b>B.Sc.-III</b>	2010-11	20	20	-	20	06	14	70.29
	2011-12	21	21	-	21	03	12	57.14
	2012-13	21	21	-	21	10	18	85.71
	2013-14	18	16	-	16	06	15	93.75
	2014-15	25	23	-	23	10	20	86.95
<b>M.Sc.-II</b>	2010-11	20	20	-	20	18	20	100
	2011-12	05	05	-	05	05	05	100
	2012-13	06	06	-	06	05	05	83
	2013-14	04	04	-	04	04	04	100
	2014-15	04	04	-	04	04	04	100
<b>Certificate Course</b>	2010-11	25	25	-	F	25	25	25
	2011-12	29	29	-	F	28	29	28

\*M = Male, \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Environmental Science	98%	2%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: NIL

29. Student progression

Student progression	Against % enrolled
UG to PG	10
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
☐ Campus selection	-
☐ Other than campus recruitment	10
Entrepreneurship/Self-employment	-

**30. Details of Infrastructural facilities**

<b>S. N.</b>	<b>Facility</b>	<b>Status</b>	<b>No.</b>
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Library: 61 Central Library : 1018 Central Library: 82 Central Library: 03
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	03 Wi-Fi Campus 01 -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in each class room.
4	Laboratories (UG/PG/ Research)	Instrumentation Facilities  Infrastructural Facilities	Spectrophotometer, High volume Sampler, Jar test Apparatus, Oven, Water Bath, pH Meter, Conductivity Meter, Turbidity Meter, Electronic Balance, Binocular Microscope, Muffle Furnace, Soxhlet Apparatus, Nitrogen Distillation Assembly, B.O.D. Incubator, Auto Clave, Shaking Machine, C.O.D. Assembly, Noise Meter, UG Lab – 01; PG Lab – 01 Research Lab – 01; HOD Room, Staff Room and Instrumentation.

**31. Number of students receiving financial assistance from college, university, government or other agencies:**

65-70 % Financial Assistance from Govt. (Scholarship, freeship)  
1-2% Financial Assistance from College (For needy Students)

**32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts :**

- Dr. Kaustav Chatterjee, Head, Environmental Science Division, Reva Enviro System Pvt. Ltd., Nagpur on “Ozone Layer – The Earth’s Protective Umbrella” on dated 16<sup>th</sup> September, 2013.
- Dr. Dilip Yardi, Aurangabad on “Role of Wildlife in Environmental Protection” dated 28<sup>th</sup> December, 2013.
- Dr. D.G. Battalwar, Assistant Manager, Vidarbha Enviro Protection PVT. Ltd., Nagpur on “Air Quality Monitoring & Management” dated 7<sup>th</sup> March, 2014.

- Dr. Prashant Rajankar on “Application of Remote Sensing and GIS Technology in Field of Environmental Science” dated 2<sup>nd</sup> April, 2014.
  - Dr. Marissa R. Jablonski (USA) on “Recent Advancement and opportunities in Environmental Science” dated 19<sup>th</sup> April, 2014
  - Mr. Sanjay Karkare, Assist. Director at Nagpur Chapter of Bombay Natural History Society on “Conservation and protection of wildlife” dated 8<sup>th</sup> October, 2014.
  - Dr. P.R. Choudhary, General Manager Environmental Science Division Grass Roots Research & Creations Sector, Noida (UP) on “Environmental Impact Assessment : General Aspects” dated 3<sup>rd</sup> March, 2015
  - Dr. S.K. Goyal, Scientist, Air Pollution Control Division, NEERI Nagpur on “Understanding Environmental Impact Assessment for Better Tomorrow” dated 4<sup>th</sup> April 2015.
  - Dr. J. S. Pande, Head, Department of Climate Change, NEERI, Nagpur on “World Ozone Day” dated 16<sup>th</sup> September, 2015
  - Dr. J. Narayana, Professor and Head, Department of Environmental Science, Kuvempu University, Shankargatta, Shimoga (Karnataka) on “Environmental Issues in India” dated 24<sup>th</sup> September, 2015.
  - Dr. Dilip Yardi, Rtd. Professor, Department of Environmental Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on “Role of Wildlife in protecting the Environment with special emphasis on bird biodiversity” dated 10<sup>th</sup> October, 2015.
33. Teaching methods adopted to improve student learning:
- Through Power Point Presentation.
  - Students Seminars, assignments and project work.
  - Group Discussion, arranging quiz competition, conducting general awareness test at entry level.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
- Participation in Wildlife Week Celebration Function.
  - Participation in Social Functions organized by Sevadal Education Society's.
  - Participation in Nature Club and Science Association Functions.
  - Visits to Regional Metrological Centre, Nagpur on dated 8<sup>th</sup> December, 2010; 18<sup>th</sup> January, 2013; 26<sup>th</sup> September, 2014 and 25<sup>th</sup> February, 2015.
  - Visit to Maharashtra Pollution Control Board, Nagpur dated 29<sup>th</sup> January, 2011.
  - Visit to Biodiversity Park Rajbhavan, Nagpur dated 12<sup>th</sup> September, 2014.
  - Visit to Common effluent treatment plant, Butibori, Nagpur dated 7<sup>th</sup> April, 2015.

35. SWOC analysis of the department and Future plans.

**STRENGTHS:**

- Permanent and qualified teaching staff.
- Well equipped and spacious UG, PG and Research Laboratories.
- University recognized Centre for Higher Learning and Research.
- Availability of sophisticated instruments.

**WEAKNESSES:**

- Admission for PG are decreasing.
- Average students seek admission for UG and PG.

**OPPORTUNITIES:**

- To increase the research collaboration with other Universities and research laboratories.
- To undertake consultancy and income generative activities.

**CHALLENGES:**

- Very less placement opportunities.
- No qualified teaching staff for PG course.
- No quality and regular students for PG Course.

**FUTURE PLANS:**

- We are planning to organize a one day National Conference “Innovative Ideas and Research in Environmental Science for sustainable Development” at Hotel Centre Point, Nagpur funded by UGC.

■■■

1. Name of the Department : **Microbiology**
2. Year of Establishment : **1992**
3. Names of Programmes /Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1992
PG	-
Ph.D.	2015
PG. Diploma	2008
COP	2011

4. Names of Interdisciplinary courses and the departments/units involved: **Nil**
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.	Semester
2	M.Sc.	-
3	P.G. Diploma	Annual
4	COP	Annual
5	Ph.D.	Laboratory work followed by open viva.

6. Participation of the department in the courses offered by other departments:  
Faculty members of Microbiology department have participated in teaching the theory and practicals of Biotechnology.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.-**Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Assistant Professors	03	03

10. Faculty profile with Name, Qualification, Designation, Specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. P.R. Bhandari	M. Sc, M.Phil, Ph.D.	Assistant Professor	General Microbiology	19	-
Mrs.S.R. Nimbarte	M. Sc, M. Phil	Assistant Professor	General Microbiology	17	-
Dr. G.L. Bhoosreddy	M.Sc, Ph. D.	Associate Professor	General Microbiology	28	01
Dr. Mrs. K.V. Dubey	M.Sc, Ph. D.	Assistant Professor	General Microbiology	09	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil
13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	40:1	32:1	32:1	32:1	58:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled  
Lab. Attendant : 02

15. Qualifications of teaching faculty with D. Sc/ D. Litt/ Ph.D./ M. Phil / PG.

	D.Sc.	Ph.D.	M. Phil	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	3	1	-	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received (From January 2011 to December 2015).

Sr. No.	Type of Project	Funding Agency	Amount
1	Major	UGC, New Delhi	3,00,300/-
2	Minor	UGC, New Delhi	57,500/-
	<b>Total</b>		<b>3,57,800/-</b>

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received.

Name of the Faculty	Major/ Minor Projects Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grants Received
Dr. P. R. Bhandari	Minor/ Completed	Impact of Insecticide & Pesticides on microbial status of Chilli fields of Bhiwapur and Umrer regions in Nagpur district of Vidarbha with Bioreclamation and Bioremediation.	UGC	62,000/-
Mrs. S. R. Nimbarte	Minor/ Ongoing	Molecular characterization of septicemia causing organisms isolated from poultry birds	UGC	57,000/-
Dr. G. L. Bhoosreddy Dr. Mrs K. V. Dubey	Major/ Ongoing	Bioaugmentation process of using microbial isolates for remediation of pesticide contaminated soils	UGC	3,00,300/-
Dr. Mrs K. V. Dubey	Major/ Completed	Strategies for Biosurfactant Production by using combination of distillery wastes with other Industrial Wastes: Notification No. :-F. No. 33-202/2007(SR)	UGC	7,38,800/-



18. Research Centre /facility recognized by the University:  
Institution has received University recognized Research Centre in Microbiology from the Academic Session 2015-2016.

Session	Ph.D. Students enrolled	Ph.D. Awarded (Name of Students)	Thesis Submitted (Name of Students)
2014-15	01	-	-

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopus)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	International						
Dr. P. R. Bhandari	02	05	-	-	-	-	-	-
Mrs. S.R. Nimbarte	04	09	-	01	1.31	-	-	01
Dr. G.L. Bhoosreddy	06	08	-	10	1.56	-	-	02
Dr. (Mrs.) K.V.Dubey	04	08	04	15	7.83	2.013	2.199	06

b) Books per faculty

Name of Faculty	No. of Books published with ISBN No.	Chapters in Books	Books Edited
Dr. P. R. Bhandari	Studies on first transition series element stress responses of <i>Escherichia coli</i> , LAP Lambert Academic Publishing House, ISBN 978-3-659-46159-0	Hydrological profile of wells at Itwari Subarea of Nagpur City, <i>In</i> . Climate change effect on agriculture and economy, Biotech Books, New Delhi, 2012, pp.321-334, ISBN 978-817622262	-
		Global climate change and its impact on Microbial Communities. Climate change, <i>In</i> . Effects on Agriculture and Economy, Biotech Books, New Delhi, 2012, pp.213-220, ISBN 13:9788176222792	-
Dr. G.L. Bhoosreddy	1. Industrial Microbiology, Himalaya Publishing House, ISBN 978-93-512-669- 2. Basic Immunology, Himalaya Publishing House, ISBN 8:1-219-3519-9. 3. Text book of Microbiology (Sem-III), Sai Publisher, ISBN: 978-93-81432-65-5 4. Text book of Microbiology (Sem-IV), Sai Publisher, ISBN: 978-93-81432-65-5		

Dr. (Mrs.) K.V.Dubey	<ol style="list-style-type: none"> <li>1. Industrial Microbiology, Himalaya Publishing House, ISBN 978-93-512-669-</li> <li>2. Text book of Microbiology (Sem-III), Sai Publisher, ISBN: 978-93-81432-65-5</li> <li>3. Text book of Microbiology (Sem-IV), Sai Publisher, ISBN: 978-93-81432-65-5</li> </ol>	<ol style="list-style-type: none"> <li>1. Remediation of Chromium-Contaminated Soils Using <i>Pseudomonas aeruginosa</i> Strain BS<sub>2</sub>. <i>In. Terrestrial and Aquatic Environmental Toxicology (TAET)</i>, Global Science Books (2012) Volume 6 (2), pp. 100-105, ISSN 1749-0324.</li> <li>2. Studies on Physico-chemical, Microbiological Properties of Rhizospheric and Non Rhizospheric Soils in Compartment No. 792 of Gorewada Forest. <i>In. Climate change effects on agriculture and economy</i>. Biotech Books, New Delhi, ISBN: 978-817622262</li> <li>3. Native Flora of various compartments of Gorewada Forest, Nagpur District, Nagpur (M.S.), India <i>In. Biodiversity conservation and environmental management</i>, Biotech Books, New Delhi. (2013), pp.341-345. ISBN. 978-8176222624</li> </ol>	-
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c) Publication per faculty in National/International Conferences/ Seminars

Name of Faculty	No. of papers presented (oral/poster/proceeding) at Conferences/Seminars		No. of Conferences/Seminars attended
	International	National	
Dr. P. R. Bhandari	05	02	11
Mrs. S.R.Nimbarte	-	10	27
Dr. G.L.Bhoosreddy	-	01	06
Dr. (Mrs.) K.V.Dubey	09	09	28

20. Areas of consultancy and income generated.

S.N.	Description about consultancy services rendered	Income generated
1	Analysis of growth media for surface tension of 20 samples of bacteria. Consultancy services rendered to Mr. S. K. Singh of NEERI, Nagpur	Initiated at free of cost
2	Analysis of surface tension and inter facial tension of bacterial sample. Consultancy services rendered to Mr. Pravin Gadakh, Department of Microbiology, SGBU, Amravati	2,400/-
3	Analysis of surface tension of four samples of Shampoo. Consultancy services rendered to Ms. Meenakshi Vaidya, Cosmetics technology, Nikalas Mahila Mv., Nagpur.	1,440/-

4	Provided a Consultancy service of Critical Micelle Concentration determination of biosurfactants samples received from ACS Alternative Fuels Private Limited, Chennai, (subsidiary Company of Allied Carbon Solutions Co. Ltd. Japan). Dated 25 <sup>th</sup> & 28 <sup>th</sup> March 2013.	45,000/-
5	Antibiotic resistance test on given Staphylococcus bacteria. Consultancy services rendered to Prof. Y. W. There for his Ph. D. thesis.	3,000/-
<b>Total</b>		<b>51840/-</b>

21. Faculty as members in:

<b>Name of Faculty</b>	<b>International Committee(s)</b>	<b>National Committee(s)</b>	<b>University Committee(s) (MC/BOS/LEC etc.)</b>	<b>Editorial Boards of Journals</b>
Dr. P. R. Bhandari	-	-	Member of LEC, R.T.M. Nagpur University, Nagpur	Co-Editor of Special Issue of Journal- Bionano Frontiers. ISSN: 0974-0678 (2012)
Dr. G.L. Bhoosreddy	-	-	<ul style="list-style-type: none"> <li>Member of Board of Studies in Environmental Science.</li> <li>Member of LEC, R.T.M. Nagpur University, Nagpur</li> </ul>	Co-Editor of Special Issue of Journal- Bionano Frontiers. ISSN: 0974-0678 (2012)
Dr. Mrs K.V.Dubey	-	-	-	<ul style="list-style-type: none"> <li>Co-Editor of Special Issue of Journal- Bionano Frontiers. ISSN: 0974-0678 (2012)</li> <li>Associate Editor of Journal of Biological and Physical Sciences</li> </ul>

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

<b>Sr. No.</b>	<b>Name of Teacher</b>	<b>No. of M.Sc. Projects</b>
1	Dr. G.L.Bhoosreddy	13
2	Dr. Mrs K.V.Dubey	09

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:

23. Awards / Recognitions received by faculty and students:

- Dr. P. R. Bhandari has been awarded Ph. D. Degree in 2013.
- Mrs. S. R. Nimbarte has received third prize for Poster presentation at UGC sponsored National Conference on “Pharmacogenomics dated 21-22<sup>nd</sup> September, 2012 organized by Nabira Mahavidyalaya, Katol.
- Mrs. S. R. Nimbarte has received First prize for Poster presentation at UGC Sponsored II<sup>nd</sup> World Congress for Man & Nature-2012 dated 3-5<sup>th</sup> November, 2012 organized by Sevadal Mahila Mahavidyalaya, Nagpur.
- Mrs. S. R. Nimbarte has received First prize for Poster presentation at UGC Sponsored National Conf. organized by J.M.Patel College, Bhandara held on 26<sup>th</sup> October 2013.
- Mrs. S. R. Nimbarte has received Second prize for Poster presentation at National symposium on “Plant Disease Management for Food Security” dated 9-11<sup>th</sup> November, 2014 organised by Association of Plant Pathologist, Punjabrao Krushi Vidyapeeth, Akola.
- Dr. (Mrs.) K.V. Dubey has chaired and coordinated the Technical Sessions of International Congress of Environmental Research, ICER-2011
- Dr. (Mrs.) K.V. Dubey has served as Panelist in “An Interactive Workshop between University and Industries for Technology Development and Transfer” organized by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Technology Park held on 2<sup>9th</sup> August 2012.
- Dr. (Mrs.) K.V. Dubey has been conferred with an award of ‘Distinguished Women Scientist’ during World Congress WCMANU-2012.
- Dr. (Mrs.) K.V. Dubey has served as a Reviewer for Journals viz. Indian Journal of Microbiology and Environmental Science and Pollution Research (Both published by Springer)
- Dr. (Mrs.) K.V. Dubey has served as Rapporteur in the 3<sup>rd</sup> Global Sustainable Biotech Congress -2014 organized by North Maharashtra University (NMU), Jalgaon.

24. List of eminent academicians and scientists /visitors to the Department: Nil

**25. Seminars/ Conferences/Workshops organized and the source of funding**

<b>Conference/ Seminar/ Workshop</b>	<b>Title</b>	<b>Source of Funding</b>	<b>Grant received Rs.</b>
National	Joint organization of National Seminar by Science and Home Science Faculties on “Recent Trends in Life Sciences, Material Sciences and Home Sciences” on dated 4 <sup>th</sup> October, 2015.	Self funded and Registration fee	
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012”.	UGC	100000.00
Departmental Workshops/ Seminars.	Yearly workshops were organized for Microbiology and Biotechnology students on Experiments in Molecular Biology and Immunology in association with Hi-Media Laboratory, Mumbai.	Self funded	20,000 Per Year

**26. Student profile programme/course wise:**

<b>Name of the Course/ programme</b>	<b>Academic Year</b>	<b>Applications received</b>	<b>Selected (Appeared for Exam.)</b>	<b>Enrolled</b>		<b>College Result</b>		
				<b>*M</b>	<b>*F</b>	<b>1<sup>st</sup> Class</b>	<b>Pass</b>	<b>Pass %</b>
<b>B.Sc.-III</b>	2010-11	51	51		51	-	38	74.50
	2011-12	47	47	-	47	12	27	57.44
	2012-13	48	48	-	48	07	32	66.66
	2013-14	45	45	-	45	04	24	53.33
	2014-15	49	49	-	49	08	24	49.0
<b>Certificate Course</b>	2010-11	26	26	-	26	26	-	100
	2011-12	60	60	-	60	60	-	100
	2012-13	78	78	-	78	78	-	100
	2013-14	89	89	-	89	89	-	100

\*M = Male \*F = Female

**27. Diversity of Students:**

<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>
B.Sc.	100 %	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? - Nil

29. Student progression.

Student progression	Against % enrolled
UG to PG	20%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
☐ Campus selection	-
☐ Other than campus recruitment	4%
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities:

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 92, Central Lib. 550 - Central Library : 03
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	06 Wi-Fi 02 -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projectors in Classrooms.
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities  Instru-mentation Facilities	UG Laboratory – 02 PG Diploma and Instrumentation Room – 01 Research Laboratory – 01 HOD Room and Staff Room – 01  Microscopes, Phase contrast Microscope, UV. Vis- Spectrophotometer, Shimadzu balance, Atomic Absorption Spectrophotometer, BOD Incubator, Digital Fluorimeter, Digital Flame Photometer, Cooling centrifuge +Rotors +Voltage Stabilizer, Shaking incubator + Voltage Stabilizer, Deep freeze + Voltage Stabilizer, PCR Machine- Biorad Gradient, Surface tensionmat Kruss, Germany, Laminar Air flow System, Gas Chromatograph Thermo-Fischer Scientific

31. Number of students receiving financial assistance from college, university, government or other agencies:  
An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.
32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:
- Yearly workshop on Molecular Biology and Immunology in association with Hi-Media Laboratories, Mumbai on dated 26-27 December, 2011; 12-13<sup>th</sup> January, 2013; 15-16<sup>th</sup> November, 2013; 7-8<sup>th</sup> October 2014
33. Teaching methods adopted to improve student learning:
- Use of PowerPoint Presentation by Teachers on LCD in the class rooms.
  - Written material is supplied to the students.
  - Use of ICT enabled presentations through internet Facility.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
- Participation of staff members and students in NSS activities and the functions organized by Sevalal Education Society.
  - Students participate in Environment awareness Rally.
  - Educational cum Excursion Visits to CCMB Hyderabad and National Institute of Nutrition Hyderabad in the session 2011-12.
  - Students are participating in blood Donation Camp in the college premises.
  - In Advisory Board of 'World Research Journal Of Biotechnology'
  - Departmental Staff members are involved in various International conference and Served as Convener, Organizing secretaries, Co-organizing Secretary and organizer of Lab-to Land Technical Session.
35. **SWOC** analysis of the department and Future plans
- STRENGTHS:**
- Well Qualified Staff with highest qualification with Ph.D and M.Phil.
  - Major/Minor Research projects in the department.
  - Number of Research papers published in National and International journals with Impact factor and books published.
  - Consultancy provided to institutions and industries, Government organizations and Individual.
  - Rich infrastructure in terms of instrumentations.
  - Sufficient space for UG laboratories.

- Three staff members are recognized guides of RTM Nagpur University in the subject Microbiology.
- Department is running career oriented programme (Diploma in Medical Laboratory Technique).
- UGC innovative course P.G. Diploma in Environmental Biotechnology has been introduced.

**WEAKNESSES:**

- The socio-economic background of many of the students admitted in the College is responsible for poor language. This leads to an unsatisfactory level of comprehension and communication, particularly in the first two semesters.
- Most of the students are having low average percent in their 12<sup>th</sup> Standard at the time of admission.
- No admission in P. G. Diploma in Environmental Biotechnology since from 2013-14.

**OPPORTUNITIES:**

- The department has rich infrastructure to cater to provide consultancy services.
- Since the department is now recognized as a Ph. D. centre students are having opportunity to take admission for their Ph. D. and research programme.
- Ph. D. student may avail research fellowship from various funding agencies.

**CHALLENGES:**

- Career guidance and counseling is needed to students for their placements at reputed Government and Non-government organizations/institutes.
- Extension services such as outreach programmes awareness programmes, field based Lab to land services and more consultancy programmes in future.

**FUTURE PLANS:**

- Since department is recognized Place for Higher Learning and Research, more students have opportunity to do and complete their research.

■■■



1. Name of the Department : **Zoology**
2. Year of Establishment : 1992
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1992
PG	2001
Ph.D.	2005
PG. Diploma	2012

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.	Semester
2	M.Sc.	Choice Based Credit System
3	P.G. Diploma	Annual
4	Ph.D.	Annual

6. Participation of the department in the courses offered by other departments

Name of Teacher	Title of Course	Participation
Dr. P. N. Charde	Ph. D.	<ul style="list-style-type: none"> <li>University recognized Ph. D. Supervisor in Environment Science.</li> <li>Co-investigator for the Major Research Project sanctioned to Zoology Department, RTM Nagpur University.</li> </ul>
Dr. A. S. Mohite	B.Sc. Sem-I Biochemistry	Participation in teaching of Cell Biology paper during the academic session 2010-11 and 2011-12.
Dr.(Mrs) J.S. Dahegaonkar	B.Sc. Biology, Home Science Faculty	Participation in teaching of Human Physiology paper during the academic session 2014-15.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

<b>Designation</b>	<b>Sanctioned</b>	<b>Filled</b>
Professors	-	-
Associate Professors	02	02
Assistant Professors	03	03
Assistant Professors (Temporary on PG Diploma Course)	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M. Phil. etc.)

**Permanent Faculty:**

<b>Name of the Faculty</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of Ph.D. Students guided for the last 4 years</b>
Dr. P. N. Charde	M.Sc., Ph. D.	Principal	Mammalian Reproductive Physiology	23	07
Dr. A. S. Mohite	M.Sc., M.Phil., Ph.D.	Associate Professor and H.O.D.	Entomology	23	02
Dr. (Mrs.) J.S. Dahegaonkar	M.Sc., B.Ed., Ph. D.	Assistant Professor	Animal Physiology	17	-
Dr. (Mrs.) J. B. Tirpude	M.Sc., Ph. D.	Assistant Professor	Mammalian Reproductive Physiology	17	-
Mr. A. V. Dorlikar	M.Sc., NET	Assistant Professor	Fish and Fisheries	10	-

**Temporary Faculty:**

<b>Name of the Faculty</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of Ph.D. Students guided for the last 4 years</b>
Dr. (Mrs) R. S. Karanjekar	M.Sc., Ph. D.	Assistant Professor	Environmental Biology	04	-
Mr. K. T. Waghmare	M.Sc.	Adhoc	Fish & Fisheries	03	-
Ms. N. N. Pradhan	M.Sc.	CHB	Animal Physiology	02	-
Ms. S. W. Dighade	M.Sc.	CHB	MRP	02	-
Ms. T. S. Kothe	M.Sc.	CHB	Entomology	02	-

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

UG : 5%  
PG : 80%

13. Student -Teacher Ratio (programme wise)

Course	2011-12	2012-13	2013-14	2014-15	2015-16
UG	39:1	44:1	49:1	46:1	58:1
PG	3:1	5:1	-	1:0	4:1
PG Diploma	-	8:1	10:1	10:1	09:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Lab. Assistant : 01  
Lab. Attendant : 01

15. Qualifications of teaching faculty with D.Sc/D.Litt/Ph.D./MPhil /PG.

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	04	01	01	-
No. of Temporary Faculty (PG Diploma Course)	-	01	-	-	04

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received (From January 2011 to December 2015)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major/ Minor Projects (Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grants Sanctioned Rs.	Grants received Rs.
Dr. P.N. Charde	Major Completed	Ptilocronology-Feather study and biology of <i>Coturnix coturnix</i> –quail bird.	UGC	8,01,800	5,52,800
Dr. P.N. Charde & Dr. A.P. Lambat	Major Completed	Climate change and its impact on Agriculture crops of Nagpur district of Vidarbha region.	UGC	10,61,800	7.92,800
Dr. P.N. Charde	Minor Completed	An Assessment of the Aquatic Fauna and Physico-chemical Parameters of Gorewada Reservoir, Nagpur (M.S.)	Dept. of Forest, M.S.	1,00,000	1,00,000
Dr. P.N. Charde	Minor Completed	Ecology and Breeding behavior of Indian Grey Hornbill <i>Ocyrceros birostris</i> .	UGC	1,00,000	1,00,000
Mr. R. M. Kasambe	Minor Completed	An Assessment of the Avian Biodiversity of Gorewada Forest and Reservoir, Nagpur.	UGC	1,00,000	1,00,000
Dr. A.S.	Minor	Studies on histomorphological	UGC	95,000	95,000

Mohite	Completed	and physiological effects of some plant origin Insect Growth Regulators (IGRs) and synthetic IGR Diflubenzuron (Dimilin) on Gram pod borer, <i>Heliothis armigera</i> (Huebner) (Lepidoptera : Noctuidae).			
Dr. A.S. Mohite	Minor Sanctioned	Studies on the larval morphology, cephalic & segmental chaetotaxy, gamma irradiation and chemosterilant-induced histopathological effects on gonads and inherited sterility in fruit piercing moth, <i>Eudocima materna</i> (Linnaeus) (Lepidoptera: Noctuidae)	UGC	2,50,000	

**18. Research Centre /facility recognized by the University**

Session	No. Ph.D. Students Enrolled	Ph.D. Awarded (Name of Students)	Thesis Submitted (Name of Students)
2011-12	-	1. Ms. R.S. Saha 2. Mr. L.H. Rohankar 3. Mr. V.J. Sharma	-
2012-13	-	4. Mr. P. J. Khinchi 5. Mrs. S.G. Kalbande 6. Mr. R.N. Chavan 7. Ms. Rucha Gabhane	-
2013-14	-	8. Mr. S.B. Parshuramkar 9. Mr. V.B. Jaiswal 10. Mr. A.V. Bhagade 11. Ms. A.M. Bhende 12. Mrs. A.V. Ramteke	-
2014-15	-	13. Mr. S.S. Gandhewar 14. Mr. I.R. Mithani 15. Mr. S.S. Bacher	-
2015-16	1. Mr. S.T. Dalal 2. Mr. R. Parwate 3. Ms. M.M. Raje 4. Ms. S.S. Bopinwar 5. Ms. V.L. Gharpure 6. Ms. A.M. Triwedi 7. Mrs. P.P. Belkhode 8. Mr. P. P. Ingle 9. Ms. S.H. Jambhule 10. Mr. D.R. Gabhane 11. Ms. B. Pupulwar 12. Ms. V.B. Dorlikar	16. Mr. K.N. Rawalekar 17. Mrs. J.S. Dahegaonkar 18. Ms. B.P. Parwate 19. Ms. U.W. Fule	1. Mr. A.V. Dorlikar 2. Mrs. J.S. Ramteke 3. Ms. K.H. Waghmare

**19. Publications:**

- a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publications listed in International Database (Scopes)	Citation Index	Impact Factor (Cumulative)	SNIP (Cumulative)	SJR (Cumulative)	H Index (Cumulative)
	National	International						
Dr. P.N. Charde	20	09	03	12	6.094	3.750	2.450	3
Dr. A.S. Mohite	07	07	07	19	3.772	3.205	1.360	3
Dr.(Mrs.) J.S. Dahegaonkar	04	01	02	02	0.960	1.250	0.535	1
Dr.(Mrs.) J.B. Tirpude	03	05	01	01	-	-	-	-
Mr. A.V. Dorlikar	05	06	03	05	1.023	1.351	0.539	1
Dr.(Mrs.) R.S. Karanjekar	03	04	-	-	-	-	-	-

## b) Books per faculty

Name of Faculty	No. of Books published with ISSN No.	Chapters in Books	Books Edited
Dr. P.N. Charde	1. Bird Feather Science, Biotech Books, 2013, ISBN-13: 978-8176222754.	1. Effect of environmental factors on production and quality of eggs of Japanese Quail, <i>Coturnix coturnix japonica</i> In Biodiversity Conservation and Environmental Management, Biotech Books, 2012, pp 429-435. ISBN No.: 9788176222624 2. Ecological studies of zooplankton found in fresh water lake of Khekara-Nullah Dam, Nagpur, Maharashtra. in Climate change effects on agriculture and economy. Biotech Books, 2013, pp 65-72, ISBN No.: 9788176222785. 3. Native flora of various compartments of Gorewada Forest, Nagpur Dist., Nagpur (MS), India in Biodiversity Conservation and Environmental Management, Biotech Books, 2012, pp 341. ISBN No.: 9788176222624 4. Effect of pollution from garbage of Ballarpur Paper Mill Industry in Climate change effects on agriculture and economy. Biotech Books, 2013, pp 65-72, ISBN No.: 9788176222785. 5. Khadi: Environmentally friendly fabric. in Climate change effects on agriculture and economy. Biotech Books, 2013, pp 65-72, ISBN No.: 9788176222785.	-
Dr.(Mrs.) R.S. Karanjekar	1. Bird Feather Science, Biotech Books, 2013, ISBN-13: 978-8176222754.	1. Effect of environmental factors on production and quality of eggs of Japanese Quail, <i>Coturnix coturnix japonica</i> . in Biodiversity Conservation and Environmental Management, Biotech Books, 2012, pp 429-435. ISBN No.: 9788176222624	-

c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/ proceeding) at Conferences/Seminars		No. of Conferences/ Seminars attended
	International	National	
Dr. P.N. Charde	09	10	19
Dr. A.S. Mohite	03	06	19
Dr.(Mrs.) J.S. Dahegaonkar	02	06	24
Dr.(Mrs.) J.B. Tirpude	01	05	22
Mr. A.V. Dorlikar	03	09	26
Dr.(Mrs.) R.S. Karanjekar	02	-	09

20. Areas of consultancy and income generated

S.N.	Description about consultancy services rendered	Income generated (Rs.)
1	Digital microphotography of the histological slides prepared by research students.	2,500.00

21. Faculty as members in

Name of Faculty	International Committee (s)	National Committee(s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Dr. P.N. Charde		Member, Planning and Advisory board for Gorewada National Zoo.	<ul style="list-style-type: none"> <li>Member, Planning and Advisory board for Gorewada National Zoo.</li> <li>Member of BoS in Environmental Science.</li> <li>Member, Research and recognition committee.</li> <li>Member, Technical advisor committee to Raj Bhawan for setting Biodiversity Park.</li> <li>Member, university constituted selection and other committees.</li> </ul>	<ul style="list-style-type: none"> <li>Editor of Special issue of Journal Bionano Frontier, ISSN 0974-0678. 2012.</li> </ul>
Dr. A.S. Mohite		Member, Entomological Society of India.	<ul style="list-style-type: none"> <li>Member of BoS in Extension Education of Home Science Faculty.</li> <li>Member of Subject Examination Committee in Zoology, RTMNU, from 2011-2015.</li> <li>Member of LECs</li> </ul>	<ul style="list-style-type: none"> <li>Co-editor of Special issue of Journal Bionano Frontier, ISSN 0974-0678. 2012.</li> <li>Reviewer, IJBAT, 1<sup>st</sup> International congress on Science and Technology for Society. Dated 23-25 March, 2014, Bangkok.</li> </ul>

Mr. A.V. Dorlikar	-	-	Member of Subject Examination Committee in Zoology, Gondwana University from 2013-2015.	-
Dr.(Mrs.) R. S. Karajekar	-	-	-	Associate Editor for Journal of Biological and Physical Sciences

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

Sr. No.	Name of Teacher	No. of M.Sc./PG Diploma Projects
1	Mr. A.V. Dorlikar	01 (M.Sc.)
2	Dr.(Mrs.) R.S. Karanjekar	25 (PG Diploma)

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

## 23. Awards / Recognitions received by faculty and students:

- Mrs. Rucha R. Gabhane received young Scientist award in Second World Congress for Man & Nature-2012.
- Mrs. Rucha R. Gabhane has been awarded Ph.D. Degree in 2012.
- Mrs. Rucha R. Gabhane received outstanding research scholar award by University Women's Association, Nagpur in 2012
- Mrs. Rucha R. Gabhane has been felicitated by HSBC Bird Race in 2012.
- Dr. (Mrs.) J.B. Tirpude has been recognized as Ph. D. supervisor in 2012.
- Dr. P.N. Charde has been jury member for technical session at International Conference on Science and Technology for Society on 23, 24 & 25 May, 2014 at Bangkok, Thailand.
- Dr. A.S. Mohite has been jury member for poster session at International Conference on Science and Technology for Society on 23, 24 & 25 May, 2014 at Bangkok, Thailand.
- Dr. Pravin Charde received Life Time Research Award in International Conference of Science and Technology at Sri Lanka dated 19-21<sup>st</sup> May, 2015.
- Dr. (Mrs.) J.S. Dahegaonkar has been awarded Ph.D. Degree in 2015.
- Dr. Paravin Charde received Excellence Award at the hands of Hon'ble Chancellor (M.S.) for work on setup of Biodiversity Park at Rajbhawan, Nagpur.
- Dr. Pravin Charde received Best Researcher Award in International Conference of Science and Technology at Dubai dated 21-23<sup>rd</sup> November, 2015.

## 24. List of eminent academicians and scientists / visitors to the Department

S.N.	Name of Academician/Scientist visited	Purpose	Year
1	Dr. Hosseti, Department of Zoology, Kovempu University, Karnataka.	PG Practical Examination	2010
2	Dr. Rakesh Puniyani, Department of Environment Science, Gurukul Kangdi University, Haridwar.	PG Practical Examination	2010
3	Dr. Naresh Vyas, J.N. Vyas University, Jodhpur, Rajasthan.	PG Practical Examination	2010
4	Dr. I. A. Raja, Sri Shivaji College, Akola, Maharashtra.	PG Practical Examination	2011
5	Dr. R.C. Gupta, Kurukshetra University, Kurukshetra.	PG Practical Examination	2011
6	Dr. D.B. Tembhare, Department of Zoology, RTM Nagpur University, Nagpur.	PG Practical Examination	2011
7	Dr. G.P. Patil, Innani College, Karaja Lad, Maharashtra.	PG Practical Examination	2011
8	Dr. (Mrs.) C.K. Deshmukh, Department of Zoology, Sant Gadge Baba Amravati University, Amravati, Maharashtra.	PG Practical Examination	2012
9	Dr. L.M. Mudkhede, Yashwant Mahavidyalaya, Nanded	PG Practical Examination	2012
10	Dr. Gagan Matta, Department of Environment Science, Gurukul Kangdi University, Haridwar.	PG Practical Examination	2012
11	Dr. M.S.Sastri, Department of Zoology, RTM Nagpur University, Nagpur.	PG Practical Examination	2012
12	Dr. A.D. Jadhao, Department of Zoology, Shiwardi University, Kolhapur.	PG Practical Examination	2012
13	Dr.B.B. Waykar, Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	PG Practical Examination	2012
14	Dr. Reuven Yosef, International Birding and Research Centre, Eilat, Israel.	Research Linkage	2012
15	Dr. A.G. Jadhao, Department of Zoology, RTM Nagpur University, Nagpur.	PG Practical Examination	2013
16	Dr. Bhaskar Reddy, Department of Zoology, Kakatia University, Warangal.	Ph. D. Viva-Voce	2014
17	Dr. (Mrs.) Shanta Satyanarayan, Ex-Director, NEERI, Nagpur.	PG Practical Examination	2014
18	Prof. Janak Ahi, Department of Zoology, Dr. Harisingh Gour University, Sagar, M.P.	Ph. D. Viva-Voce	2015
19	Prof. G.P. Bhawane, Department of Zoology, Shiwardi University, Kolhapur.	Ph. D. Viva-Voce	2015
20	Dr. (Mrs.) Seema Gupta, Govt. Nagarjuna Science College, Raipur, Chhatisgarh.	Ph. D. Viva-Voce	2015



**25. Seminars/Conferences/Workshops organized and the source of funding**

<b>Conference/ Seminar/ Workshop</b>	<b>Title</b>	<b>Source of Funding</b>	<b>Grant received Rs.</b>
National	Joint organization of National Seminar by Science and Home Science Faculties on “Recent Trends in Life Sciences, Material Sciences and Home Sciences” on dated 4 <sup>th</sup> October, 2015.	Self Funded and Registration fee	
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012”.	UGC	100000.00

**26. Student profile programme/course wise:**

<b>Name of the Course/ programme</b>	<b>Academic Year</b>	<b>Applica tions received</b>	<b>Selected (Appeared for Exam.)</b>	<b>Enrolled</b>		<b>College Result</b>		
				<b>*M</b>	<b>*F</b>	<b>1<sup>st</sup> Class</b>	<b>Pass</b>	<b>Pass %</b>
B.Sc.-III	2010-11	36	35		35	06	23	82.85
	2011-12	23	23		23	05	11	69.56
	2012-13	32	32		32	03	19	68.75
	2013-14	49	44		44	12	28	90.90
	2014-15	62	57		57	03	31	59.64
M.Sc.-II	2010-11	08	07		07	03	02	71.42
	2011-12	03	04		03	01	--	33.33
	2012-13	--	--		--	--	--	--
	2013-14	01	01		01	01	--	100
	2014-15	--	--		--	--	--	--
P.G. Diploma	2010-11	--	--	--	--	--	--	--
	2011-12	--	--	--	--	--	--	--
	2012-13	10	08	03	05	05	--	62.50
	2013-14	10	10	01	09	05	--	50.00
	2014-15	10	10	00	10	07	--	70.00

\*M = Male \*F = Female

**27. Diversity of Students**

<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>
B.Sc.	100%	-	-
M.Sc.	100%	-	-
PG Diploma	100%	-	-
Ph.D.	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

29. Student progression

Student progression	Against %enrolled
UG to PG	10%
PG to M.Phil.	--
PG to Ph.D.	2%
Ph.D. to Post-Doctoral	--
Employed	
☐ Campus selection	-
☐ Other than campus recruitment	
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

S. N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Library: 235, Central Library: 1040 Central Library : Central Library : 04
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	03 Yes 01 --
3	Class rooms with ICT facility	(i) LCD Projector	1) LCD Projector in Research Laboratory. 2) LCD Projectors in UG and PG laboratories.
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities  Instrumentation Facilities	UG Laboratory: 01, P G Laboratory: 01 Research Laboratory: 01, Museum: 01 Instrumentation Room: 01, HOD Room: 01 UV Spectrophotometer, DG3 Microphotography Assembly, Ultracentrifuge, High Resolution Digital Camera, Microscopes, Binoculars

31. Number of students receiving financial assistance from college, university, government or other agencies.

An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts.

1. Dr. A.M. Khurad, Head, Department of Zoology, RTM Nagpur University, Nagpur on "Animal Cell Culture Technique", dated 12<sup>th</sup> August 2011.

2. Dr. M.M. Rai, Centre for Sericulture and Biological Research, RTM Nagpur University, Nagpur on “Biological Pest Management” dated 2<sup>nd</sup> January, 2012.
  3. Dr. G.L. Paliwal, Director, Centre for Bee Keeping, Wardha on “Apiculture” dated 15<sup>th</sup> September, 2012.
  4. Dr. Ratner, Scientist D, Central Sericulture Board, Dawadipar, District-Bhandara on dated 15<sup>th</sup> January, 2013 (Educational Visit).
  5. Dr. M.K. Rathod, Centre for Sericulture and Biological Research, RTM Nagpur University, Nagpur on “Rearing of Mulberry Silkworm and Silkworm Diseases” dated 17<sup>th</sup> January, 2013.
  6. Dr. (Mrs.) Sunita Paliwal, Visit to Centre for Bee Keeping, Wardha on “Apiculture” on date 5<sup>th</sup> February, 2014.
  7. Dr. (Mrs.) Sushma Deshmukh, Director, Central India Test Tube Centre, Getwell Hospital, Nagpur on “Youth, Health and You” dated 02/09/2015.
  8. Dr. (Mrs.) Prachi Mahajan, Oncosurgeon, Nagpur on “Breast Cancer” dated 02/09/2015.
33. Teaching methods adopted to improve student learning
- Black Board Teaching
  - Power Point Presentations, Animated Video Clips, Charts and Models
  - Student’s Seminars and Project work to PG Students.
  - Providing simplified notes on topic, question bank and model question papers.
  - Continuous monitoring of performance through unit tests and preliminary examinations.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Participation in wildlife week celebration of forest department.
  - Participation in social functions organized by the Seval Education Society.
  - Participation in events organized by Lions Club, Andhashradha Nirmulan Samiti.
  - Participation in NSS activities.
  - Visit to Gau Annusandhan Kendra, Devalapar and Pench National Park on dated 11<sup>th</sup> January, 2012.
  - Visits to Sericulture centre, Dawadipar, Visit to Centre for Biological Pest Management.
  - Educational cum recreational tour to Jaipur-Pushkar-Udaipur-Chittorgarh dated 29<sup>th</sup> January to 4<sup>th</sup> February, 2015.
  - Donation in Priminister Relief Fund and Orphanage.
  - Organisation of health awareness lectures.
  - Preparation of Blood Group Database of B.Sc. Zoology students.
  - Estimation of hemoglobin percent of B.Sc. Zoology students.

35. SWOC analysis of the department and Future plans

**STRENGTHS:**

- Permanent and qualified teaching staff.
- Well equipped and spacious UG, PG and Research Laboratories.
- Zoological Museum with adequate number of Specimens, Slides and charts.
- University recognized centre for higher learning and research.
- Good number of admissions for Ph.D. Programme.
- Availability of sophisticated instrumentations.
- Use of ICT in teaching and learning process as well as in student's seminars.
- Mentor-ward system for monitoring overall performance of students.

**WEAKNESSES:**

- Average students seek admission in the subject.
- Admissions for PG course are decreasing.
- Limitations imposed by university on practicals.
- Less employment opportunities.
- Percentage of students pursuing higher education is less.

**OPPORTUNITIES:**

- To undertake Research projects.
- To increase the collaborative research activities with other institutions.

**CHALLENGES:**

- Very less placement opportunities, no campus recruitments
- No qualified teaching staff for PG Course.
- No quality and regular students for PG course.

**FUTURE PLANS:**

- To enhance research activities through research projects.
- To organize international conference.

■■■

1. Name of the Department : **Biochemistry**
2. Year of Establishment : **2005**
3. Names of Programmes /Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	2005

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise) : Nil

Sr. No.	Name of Program	System
1	B.Sc.	Semester

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of teaching posts:  
Since there are no admissions for this course teaching posts are not filled.
10. Faculty profile with Name, Qualification, Designation, Specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.): Nil
11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil
13. Student -Teacher Ratio (programme wise): Nil
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled - Nil
15. Qualifications of teaching faculty with D.Sc/D.Litt/Ph.D./M.Phil/PG.: Nil
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received (From January 2011 to December 2015): Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:
  - a) Publication per faculty: Nil
  - b) Books per faculty in: Nil
  - c) Publication per faculty in National/International Conferences/ Seminars: Nil
20. Areas of consultancy and income generated. Nil
21. Faculty as members in: Nil
22. Student projects. Nil
  - a) Percentage of students who have done in-house projects including inter departmental/programme: Nil
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:
23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/visitors to the Department: Nil  
 25. Seminars/ Conferences/Workshops organized and the source of funding: Nil  
 26. Student profile programme/course wise: Nil  
 27. Diversity of Students: Nil  
 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? - Nil  
 29. Student progression: Nil  
 30. Details of Infrastructural facilities

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 27, Central Lib.183 Central Library : - Central Library : -
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-Fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projectors in Classrooms.
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	UG Laboratory – 01 All the instrumentation and equipments required for UG Biotechnology practicals.

31. Number of students receiving financial assistance from college, university, government or other agencies:  
 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Nil  
 33. Teaching methods adopted to improve student learning: Nil  
 34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil  
 35. SWOC analysis of the department and Future plans

**STRENGTHS:**

- As per the norms there is well equipped laboratory.
- Sufficient Instrumentation and infrastructures for UG Course.

**WEAKNESSES:**

- Student have not opted the subject hence there is no admissions.

**OPPORTUNITIES:**

- To increase the admissions for the Biochemistry through counseling.

**CHALLENGES:**

- To motivate the students to opt for Biochemistry.

**FUTURE PLANS:**

- To start the combination of the subject in next academic session in 2016-17
- To appoint permanent regular teaching Staff in next academic session.

■■■

1. Name of the Department : **Biotechnology**

2. Year of Establishment : **2005**

3. Names of Programmes /Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	2005

4. Names of Interdisciplinary courses and the departments/units involved: **Nil**

5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.	Semester

6. Participation of the department in the courses offered by other departments: **Nil**

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**

8. Details of courses/programmes discontinued (if any) with reasons: **Nil**

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	-	CHB-2

10. Faculty profile with Name, Qualification, Designation, Specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. (Mrs.) P. V. Pohekar	M.Sc. Ph.D.	Contributory	Comp. Science	02	-
Mr. R. Bhaskar	M. Sc.	Contributory	Comp. Science	-	-

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.

UG : 100%

13. Student -Teacher Ratio (programme wise):

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	19:1	19:1	30:1	36:1	46:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Lab. Attendant : - **01**

15. Qualifications of teaching faculty with D. Sc/ D. Litt/ Ph.D. /M. Phil / PG.

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/ SET)	M.Sc.
No. of Permanent Faculty	-	-	-	-	-
No. of Temporary Faculty	-	01	-	-	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received (From Jan.2011 to Dec.2015): Nil
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopus)	Citation Index	Impact Factor (Average)	SNIP	SJR	H Index
	Natio-nal	Inter-national						
Dr. (Mrs.) P. V. Pohekar	01	01	-	-	3.5	-	-	-

b) Books per faculty in - Nil

c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/proceeding) at Conferences/Seminars		No. of Conferences/Seminars attended
	International	National	
Dr. (Mrs.) P. V. Pohekar	-	02	04

20. Areas of consultancy and income generated: Nil
21. Faculty as members in: Nil
22. Student projects. :
- a) Percentage of students who have done in-house projects including inter departmental/programme: Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies.: Nil
23. Awards / Recognitions received by faculty and students:  
Dr. (Mrs.) P. V. Pohekar has been awarded Ph.D. by RTM Nagpur University in 2015.
24. List of eminent academicians and scientists / visitors to the Department: Nil
25. Seminars/ Conferences/Workshops organized and the source of funding. :

Conference/Seminar/ Workshop	Title	Source of Funding	Grant received
Departmental Workshops/ Seminars	Yearly workshops were organized for Microbiology and Biotechnology students on Experiments in Molecular Biology and Immunology in association with Hi-Media Laboratory, Mumbai.	Institution	20,000 Per Year

26. Student profile programme/course wise:

Name of the Course/ programme	Academic Year	Applicati- ons received	Selected (Appeared for Exam.)	Enrolled		College Result		
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %
B.Sc.-III	2010-11	18	18	-	18	-	08	44.4
	2011-12	11	11	-	11	-	09	81.8
	2012-13	10	10	-	10	-	07	70.0
	2013-14	06	06	-	06	-	04	66.66
	2014-15	16	16	-	16	02	06	37.5

\*M = Male \*F = Female



27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? - Nil

29. Student progression.

Student progression	Against % enrolled
UG to PG	2%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
<input type="checkbox"/> Campus selection	-
<input type="checkbox"/> Other than campus recruitment	4%
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities:

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 30, Central Lib.237
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-Fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projectors in Classrooms.
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities  Instrumentation Facilities	UG Laboratory – 01  All the instrumentation and equipments required for UG Biotechnology practicals.

31. Number of students receiving financial assistance from college, university, government or other agencies:

An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

Yearly workshop on Molecular Biology and Immunology in association with Hi-Media Laboratories, Mumbai on dated 26-27<sup>th</sup> December, 2011; 12-13<sup>th</sup> January, 2013; 15-16<sup>th</sup> November, 2013; 7-8<sup>th</sup> October 2014

33. Teaching methods adopted to improve student learning:

- Use of Powerpoint Presentation by Teachers on LCD in class rooms.
- Written material is supplied to the students.
- Use of ICT enabled presentations through internet Facility.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Students participate in Environment awareness Rally.
- Students are participating in blood Donation Camp in the college premises.

35. **SWOC** analysis of the department and Future plans

**STRENGTHS:**

- Qualified and committed faculty strength of the student.
- Well equipped laboratory and sufficient instrumentation for practical purpose.
- Parent-Teacher interaction
- Satisfactory performance of students in University examination.

**WEAKNESSES:**

- Since the department is on No Grant basis, there is no permanent Teaching Faculty member.
- The socio-economic background of many of the students admitted in the College is responsible for poor language. This leads to an unsatisfactory level of comprehension and communication, particularly in the first two semesters.
- Average students seek admission for the course. Less employment, opportunities for B.Sc. pass out.

**OPPORTUNITIES:**

- To appoint permanent regular teaching Staff.
- More exposure is given to the students on use of advanced instrumentation available in the Microbiology Department.

**CHALLENGES:**

- Career guidance and counseling is needed to students for their placements at reputed Government and Non-government organizations/institutes.
- Extension services such as outreach programmes awareness programmes, field and industry based services and more consultancy programmes in future.

**FUTURE PLANS:**

- To arrange Guest Lectures and students seminars.
- Preparation of E-material like PowerPoint presentation of video lectures.

■■■

1. Name of the Department : **Computer Science**
2. Year of Establishment : **2005**
3. Names of Programmes /Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	2005

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.	Semester

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.- Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	-	CHB - 02

9. Faculty profile with Name, Qualification, Designation, Specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms. S.T. Bawankule	M. Sc.	Contributory	Computer Science	02	-
Mrs.S. P. Kapse	M. Sc.	Contributory	Computer Science	02	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:  
UG : 100%

13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2014-15
UG	17:1	17:1	35:1	19:1	26:1

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled  
Lab. Attendant : 01

15. Qualifications of teaching faculty with D. Sc/ D. Litt/ Ph.D./M. Phil /PG.

	D.Sc.	Ph.D.	M. Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	-	-	-	-
No. of Temporary Faculty	-	-	-	-	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received (From Jan.2011 to Dec. 2015): Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:
- Publication per faculty in Peer Reviewed National/International Journals: Nil
  - Books per faculty:
  - Publication per faculty in National/International Conferences/Seminars Nil
20. Areas of consultancy and income generated: Nil
21. Faculty as members in: Nil
22. Student projects.
- Percentage of students who have done in-house projects including inter departmental/programme: Nil
  - Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil
23. Awards / Recognitions received by faculty and students: Nil
24. List of eminent academicians and scientists/visitors to the Department: Nil
25. Seminars/Conferences/Workshops organized and the source of funding: Nil
26. Student profile programme/course wise:

Name of the Course/ programme	Academic Year	Applications received	Selected (Appeared for Exam.)	Enrolled		College Result		
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %
<b>B.Sc.-III</b>	2010-11	09	09	-	09	-	06	88.88
	2011-12	-	-	-	-	-	-	-
	2012-13	08	08	-	08	-	06	75.00
	2013-14	14	14	-	14	-	12	85.70
	2014-15	08	08	-	08	01	06	75.00

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Sc.	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? - Nil

**29. Student progression.**

Student progression	Against % enrolled
UG to PG	01
PG to MPhil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b> <input type="checkbox"/> Campus selection <input type="checkbox"/> Other than campus recruitment	After completion of PG Course one of the student has been appointed as Contributory Lecturer at R.K. Pandav College, Nagpur
Entrepreneurship/Self-employment	-

**30. Details of Infrastructural facilities:**

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 21, Central Lib. 248 - -
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	09 Wi-Fi, LAN 02 -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projectors available in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	UG Laboratory – 01 Computers and syllabus related softwares are available.

31. Number of students receiving financial assistance from college, university, government or other agencies: Nil
32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:
- Students seminar are regularly conducted on University syllabus.
33. Teaching methods adopted to improve student learning:
- Use of PowerPoint Presentation by Teachers on LCD in the class rooms.
  - Written material is supplied to the students.
  - Use of ICT enabled presentations through internet Facility.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
- Students participate in Environment awareness Rally.
  - Students are participating in blood Donation Camp in the college premises.
35. **SWOC** analysis of the department and Future plans

**STRENGTHS:**

- Good number of admissions for the course.

**WEAKNESSES:**

- Since the department is on No Grant basis, there is no permanent Teaching Faculty member.
- Laboratory needs to be renovated as per the norms.
- Less number of computer available in the department.
- The socio-economic background of many of the students admitted in the College is responsible for poor language. This leads to an unsatisfactory level of comprehension and communication, particularly in the first two semesters.
- Most of the students are having low average percent in their 12<sup>th</sup> Standard at the time of admission.

**OPPORTUNITIES:**

- Better opportunities for the computer graduates in MIHAN and Industrial belt of Nagpur.

**CHALLENGES:**

- Career guidance and counseling is needed to students for their placements at reputed Government and Non-government organizations/institutes.
- Extension services such as outreach and awareness programmes in future.

**FUTURE PLANS**

- To appoint permanent regular teaching Staff.

■■■

1. Name of the Department : **Mathematics**
2. Year of Establishment : **2005**
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	2005

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.	Semester

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	-	CHB - 01

10. Faculty profile with Name, Qualification, Designation, Specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.(Ms.) R. D. Shelote	M.Sc. Ph.D.	Contributory	Mathematics	08	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.  
UG : 100%

13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	37:1	40:1	69:1	38:1	98:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil
15. Qualifications of teaching faculty with D. Sc/ D. Litt/ Ph.D./M. Phil /PG.

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	-	-	-	-
No. of Temporary Faculty	-	01	-	-	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received (From January 2011 to December 2015): Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received. : Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopus)	Citation Index	Impact Factor (Average)	SNIP	SJR	H Index
	National	Inter-national						
Dr. (Ms.)R.D. Shelote	-	03	-	-	1.08	-	-	-

b) Books per faculty in: Nil

c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/ proceeding) at Conferences/Seminars		No. of Conferences/ Seminars attended
	International	National	
Dr. (Ms.)R.D. Shelote	03	-	10

20. Areas of consultancy and income generated: Nil

21. Faculty as members in: Nil

22. Student projects.

a) Percentage of students who have done in-house projects including inter departmental/programme: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards /Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the Department:Nil

25. Seminars/Conferences/Workshops organized and the source of funding:Nil

26. Student profile programme/course wise:

Name of the Course/ programme	Academic Year	Applications received	Selected (Appeared for Exam.)	Enrolled		College Result		
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %
B.Sc.-III	2010-11	10	10	-	10	-	08	80.0
	2011-12	-	-	-	-	-	-	-
	2012-13	08	08	-	08	-	07	87.50
	2013-14	13	13	-	13	-	12	92.30
	2014-15	09	09	-	09	-	08	88.8

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Sc.	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? – Nil

## 29. Student progression.

Student progression	Against % enrolled
UG to PG	5%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	-
<input type="checkbox"/> Campus selection	
<input type="checkbox"/> Other than campus recruitment	
Entrepreneurship/Self-employment	-

## 30. Details of Infrastructural facilities:

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 39, Central Lib. 226 Central Library : -- Central Library : --
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	-- Wi-Fi -- --

## 31. Number of students receiving financial assistance from college, university, government or other agencies:

An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

## 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Nil

## 33. Teaching methods adopted to improve student learning:

- Written material is supplied to the students.
  - Use of ICT enabled presentations through internet Facility.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Nil

## 35. SWOC analysis of the department and Future plans

**STRENGTHS:**

Good number of admissions for the course

**WEAKNESSES:**

- Average students seek admission in B.Sc. course.
- No campus recruitment due to slow economic and industrial growth of Nagpur city.
- The socio-economic background of many of the students admitted in the College is responsible for poor language. This leads to an unsatisfactory level of comprehension and communication, particularly in the first two semesters.

**FUTURE PLANS:**

- To appoint permanent regular teaching staff.
- To organize Guest lecture of expert faculty.

■■■



1. Name of the Department : **Physics**
2. Year of Establishment : **2005**
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	2005

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.( Science)	Semester

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Assistant Professors	-	02 CHB

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms.S R.Nikhade	M.Sc	CHB	Solid State Physics	02	--
Mrs.G.S.Khekale	M.Sc.	CHB	Solid State Physics	02	--

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty  
UG : 100%
13. Student -Teacher Ratio (programme wise) for B.Sc.

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	19:1	21:1	39:1	25:1	49:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled  
Lab. Attendant : 01
15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil /PG.

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Temporary Faculty	-	-	-	-	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received (From January 2011 to December 2015): Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc.  
and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:
  - a) Publication per faculty in Peer Reviewed National/International Journals: Nil
  - b) Books per faculty in: Nil
  - c) Publication per faculty in National/International Conferences/Seminars: Nil
20. Areas of consultancy and income generated: Nil
21. Faculty as members: Nil
22. Student projects
  - a) Percentage of students who have done in-house projects including inter departmental/programme: Nil
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil
23. Awards/Recognitions received by faculty and students: Nil
24. List of eminent academicians and scientists/visitors to the Department: Nil
25. Seminars/Conferences/Workshops organized and the source of funding: Nil
26. Student profile programme/course wise:

Name of the Course/ programme	Academic Year	Applications received	Selected (Appeared for Exam.)	Enrolled		College Result		
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %
B.Sc. Final	2010-11	09	09	-	09	-	07	77.77
	2011-12	-	-	-	-	-	-	-
	2012-13	08	08	-	08	-	08	100
	2013-14	17	14	-	14	-	12	85.70
	2014-15	09	08	-	08	-	06	75.00

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

**29. Student progression**

Student progression	Against % enrolled
UG to PG	-
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
□ Campus selection	-
□ Other than campus recruitment	-
Entrepreneurship/Self-employment	-

## 30. Details of Infrastructural facilities

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 74, Central Lib.-- Central Library : -- Central Library : --
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	-- Wi-Fi -- --
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projectors available in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	UG Laboratory – 01 Spectrometer, Potentiometer, Travelling Microscopes, CRO, FG, Sonometer.

31. Number of students receiving financial assistance from college, university, government or other agencies:

An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

32. Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning

- Conventional Chalk Board method.
- Lecture method, Group discussion.
- ICT- through Power Point Presentation, Videos.

34. Participation in Institutional Social Responsibility (ISR) & Extension activities: Nil

35. SWOC analysis of the department and Future plans

**STRENGTH:**

- Adequate teaching and student ratio
- Adequate Infrastructure and Laboratory Facility
- 90-100% departmental results in University exams

**WEAKNESSES:**

- Research facilities in department is needed

**OPPORTUNITIES:**

- Less Job opportunities
- To open PG.

**CHALLENGES:**

- The main challenge facing the department (Faculty) is to increase the enrollment of students and improving their performance by discovering new placement opportunities.
- Inadequate funds to purchase new and latest Instruments.

**FUTURE PLANS:**

- To organize students enrichment programmes with external experts.
- To collaborate for research with different colleges and departments.
- Study tours to enhance interest in the subject.

■■■

1. Name of the Department : **Biology (Home Science)**

2. Year of Establishment : **1996**

3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1996

4. Names of Interdisciplinary courses and the departments/units involved: Nil

5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.(Home Science)	Annual

6. Participation of the department in the courses offered by other departments.

Dr. A P Lambat was the Co-Investigator for multidisciplinary Major Research Project entitled, "Climate Change and its Impact on Agriculture of Nagpur District of Vidarbha Region" sanctioned to Dr. P. N. Charde, Principal Investigator, Department of Zoology, Sevalal Mahila Mahavidyalaya, Nagpur by University Grants Commission, Amount Rs.10,61,000/- (Ten Lakhs Sixty One Thousand Rs, only).

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of Teaching posts:

Designation	Sanctioned	Filled
Assistant Professors	03	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mrs. J. S. Ramteke	M.Sc, M.Phil.	Assistant Professor & Head	Zoology	18	-
Dr. A. P. Lambat	M.Sc, M.Phil., Ph.D.	Assistant Professor	Botany	15	-
Dr. R. D. Gadewar	M.Sc., Ph.D.	Assistant Professor	Botany	09	02

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student -Teacher Ratio (programme wise)

Session	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
UG	44:1	53:1	55:1	62:1	65:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled  
Lab. Attendant : 01
15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	02	01	-	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major / Minor Projects (Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grants Received
Dr. R. D. Gadewar, Principal Investigator and Dr. A. P. Lambat, Co-Investigator	Minor Completed	“Studies on Subterranean soil algae of sugarcane fields of Digras region of Dist. Yavatmal”	UGC	55,000
Mrs. J. S. Ramteke	Minor Completed	“Effect of methallibure & LH-Rh analogues on Pituitary-Adrenal-Gonadal Axis and its anti fertility action in male albino rat”.	UGC	55,000

18. Research Centre /facility recognized by the University: Nil
19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Mrs. J. S. Ramteke	03	02	-	-	-	-	-	-
Dr. A. P. Lambat	05	30	-	-	-	-	-	-
Dr. R. D. Gadewar	05	40	-	-	-	-	-	-

b) Books per faculty in

Name of Faculty	No. of Books published with ISBN No.	Chapters in Books	Books Edited
Dr. A. P. Lambat and Dr. R. D. Gadewar	-	1. Effect of distillery effluents on germinability seedling vigour and field emergence in soyabean. Published <i>In</i> Sustainable approaches for Environmental conservation, Biotech Books, New Delhi, 2013, pp.51-55 (ISBN No. 978-81-7622-280-8). 2. Hydrological profile of wells at itwari sub-area of nagpur city. <i>In</i> . Climate Change affects Agriculture Economy, Biotech Books, New Delhi, 2013, pp.321-334 (ISBN No. 978-81-7622-280-8). 3. Effect of eco-friendly post harvest operations on seed quality of green gram <i>In</i> . Floral Biodiversity and their	

		<p>Conservation, Biotech Books, New Delhi, 2013, pp.167-177 (ISBN No. 978-81-7622-286-0).</p> <p>4. Effect of seed treatment with eco-friendly non-toxic plant origin substances on seed quality parameters of tur during storage <i>In</i>. Floral Biodiversity and their Conservation, Biotech Books, New Delhi, 2013, pp.191-196. (ISBN No. 978-81-7622-286-0).</p> <p>5. Deterioration of chickpea seeds due to bruchid infestation stored under ambient environment of nagpur (M.S.) <i>In</i>. Sustainable approaches for Environmental conservation, Biotech Books, New Delhi, 2013, pp.25-29. (ISBN No. 978-81-7622-280-8),</p> <p>6. Evaluation of botanicals in storage against khapra beetle (<i>trogoderma granarium</i> everts) and grain qualities of wheat (<i>triticum aestivum</i> cv. Hd2329). <i>In</i>. Floral Biodiversity and their Conservation, Biotech Books, New Delhi, 2013, pp 239-244 (ISBN No. 978-81-7622-286-0).</p> <p>7. Efficacy of indigenous organic preparation on viability, vigour, field emergence and seed mycoflora of mungbean. <i>In</i>. Sustainable approaches for Environmental conservation Biotech Books, New Delhi, 2013, pp.31-35 (ISBN No. 978-81-7622-280-8).</p> <p>8. Moulds intercepted on seed and dal of lathyrus collected from severe flooded areas of Kalamna grain market of Nagpur. <i>In</i>. Sustainable approaches for Environmental conservation, Biotech Books, New Delhi, 2013, pp.91-96. (ISBN No. 978-81-7622-280-8).</p> <p>9. Climate change impact on Indian agriculture. <i>In</i>. Impact of Global Climate Change on Earth Ecosystems, Biotech Books, New Delhi, 2013, pp.13-20. (ISBN No. 978-81-7622-273-0).</p> <p>10. Studies on Physico-Chemical Microbiological Properties of Rhizospheric and Non Rhizospheric soils in Compartment no. 792 of Gorewada forest. <i>In</i>. Climate Change Effects on Agriculture Economy, Biotech Books, New Delhi, 2013, pp. 91-102. (ISBN No. 978-81-7622-273-0)</p>	
Dr. A. P. Lambat	Climate Change & Agriculture- A Case Study on Cotton Crop of Vidarbha region in India. Lamberts Publishing House, Germany, 2014, (ISBN No. 978-3-659-60639-7)		

## c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/proceeding) at Conferences/Seminars		No. of Conferences/Seminars attended
	International	National	
Mrs. J. S. Ramteke	03	09	14
Dr. A. P. Lambat	15	08	25
Dr. R. D. Gadewar	15	06	22

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

Name of Faculty	International Committee(s)	National Committee(s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Mrs. J.S. Ramteke	-	-	Member, Board of Studies in Home Science (Gondwana University)	Editor, International Journal of Biosciences, Agriculture & Technology (ISSN No. (Online): 2347-517X)
Dr. A. P. Lambat	-	-	Member of LECs, R.T.M. Nagpur University	<ul style="list-style-type: none"> <li>Executive Editor of International Journal for Researches in Bioscience, Agriculture &amp; Technology (ISSN No.2397-517X).</li> <li>Associate Editor of Journal of Soils and Crops. (ISSN No. 0971-2836) (NAAS rating 3.77)</li> <li>Editor of Volume-I (IV) of Journal of Biological and Physical Sciences. (ISSN No.2319-636X).</li> <li>Editor of Bionano Frontier Journal of Special Issue no.6 II (III), 2012. (ISSN No.0974-0678), (NAAS rating 3.22).</li> </ul>
Dr. R. D. Gadewar	-	-	Member, Board of Studies in Home Science (Gondwana University)	Associate Editor, International Journal of Biosciences, Agriculture & Technology (ISSN No. (Online): 2347-517X)

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme: Nil
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

## 23. Awards / Recognitions received by faculty and students:

- Dr. A P Lambat
  1. “Appreciation Plaque” for excellent work done in World Congress for Man and Nature-2011 with a Theme “Global Climate Change & Biodiversity conservation”, at Haridwar, Uttarakhand dated 11-13<sup>th</sup> November, 2011.
  2. Received UGC Sponsored Teacher Fellowship for Completion of Ph.D. from 19<sup>th</sup> Nov., 2010 to 17<sup>th</sup> Nov., 2013.
  3. Conferred with “Excellence Award” for Researches in Botany by International Society for Man & Nature for work in field of Botany.
  4. Conferred with “Distinguish Researcher” for Researches in Botany by VSMS, Nagpur, for work in field of Botany.
  5. Conferred with “Guest of Honor” at Life Sciences Revolution: PCR and Its Applications.
- Dr. R D Gadewar
  1. “Appreciation Plaque” for excellent work done in World Congress for Man and Nature-2011 with a Theme “Global Climate Change & Biodiversity conservation”, at Haridwar, Uttarakhand on 11-13<sup>th</sup> November, 2011.
  2. Conferred with “Distinguish Researcher” for Researches in Botany by VSMS, Nagpur, for work in field of Botany.

## 24. List of eminent academicians and scientists / visitors to the Department: Nil

## 25. Seminars/ Conferences/Workshops organized and the source of funding:

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
a) National	Joint organization of National Seminar by Science and Home Science Faculties on “Recent Trends in Life Sciences, Material Sciences and Home Sciences” on dated 4 <sup>th</sup> October, 2015.	Registration Fee	-
b) International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012”.	UGC	1,00,000



**26. Student profile programme/course wise:**

Name of the Course/ programme	Academic Year	Applica- tions received	Selected (Appea- red for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
B.Sc.-III (Home Science)	2010-11	33	32	-	33	05	27	100	89.05
	2011-12	49	49	-	49	04	48	98	91.88
	2012-13	45	45	-	45	09	39	87	91.67
	2013-14	44	43	-	44	03	42	98	84.27
	2014-15	45	45	-	45	14	41	95	92.67

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Biology	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? Nil

**29. Student progression**

Student progression	Against % enrolled
UG to PG	PG Not Available in Subject
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	-
<input type="checkbox"/> Campus selection	
<input type="checkbox"/> Other than campus recruitment	
Entrepreneurship/Self-employment	-

**30. Details of Infrastructural facilities**

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 150, Central Lib. 65 Central Library: 15 Central Library: 01
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	02 Wi-fi 01 -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	UG Laboratory and Staffroom Incubator, Oven, Simple Microscopes Binocular Microscope

31. Number of students receiving financial assistance from college, university, government or other agencies:  
An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.
32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts
- Dr. K. J. Cherian, Principal, Sindhu Mahavidyalaya, Nagpur on “Mushroom Cultivation” on 1<sup>st</sup> September, 2014.
  - Dr. K. J. Cherian, Principal, Sindhu Mahavidyalaya, Nagpur on “Nursery Development and Entrepreneurship” on 2<sup>nd</sup> September, 2014.
33. Teaching methods adopted to improve student learning
- Conventional Chalk Board method
  - Lecture
  - Discussion
  - ICT- through Power Point Presentation, Videos
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Faculty members have contributed as a Organizing Committee Member in the Interdisciplinary International Conference at Bangkok, Thailand on 23-25<sup>th</sup> May, 2014.
  - Dr. A. P. Lambat has been worked as a Organizing Secretary in the following Conferences.
    - (i) Interdisciplinary International Conference on dated 3-5<sup>th</sup> November, 2012.
    - (ii) Interdisciplinary International Conference at Bangkok, Thailand on 23-25<sup>th</sup> May, 2014.
    - (iii) Interdisciplinary International Conference at Sri Lanka on dated 19-21<sup>st</sup> May 2015.
    - (iv) Interdisciplinary National Conference on 4<sup>th</sup> October 2015.
  - Dr. A. P. Lambat has been worked as Convener at Inter Disciplinary Inter-national Conference at BIT, RAK, UAE, on 21-23<sup>rd</sup> November, 2015.
  - Dr. R. D. Gadewar has been worked as a Organizing Secretary in the following Conferences.
    - (i) Interdisciplinary International Conference on dated 3-5<sup>th</sup> November, 2012.
    - (ii) Interdisciplinary International Conference at Bangkok, Thailand on 23-25<sup>th</sup> May, 2014.
    - (iii) Interdisciplinary International Conference at Sri Lanka on dated 19-21<sup>st</sup> May 2015.

- Mrs. J. S. Ramteke and Dr. R. D. Gadewar has worked as Joint Organizing Secretary in the International Interdisciplinary Conference on 4<sup>th</sup> October, 2015.
- Faculty members have participated in education-cum-recreation long tour.

35. SWOC analysis of the department and Future plans

**STRENGTH:**

- Adequate teaching and student ratio
- Experienced and qualified teaching staff
- Adequate Infrastructure and Laboratory Facility
- Excellent results in University examination.
- Two faculty members are University recognized Ph.D. Supervisors.
- Faculty members have successfully completed Major and Minor Research Projects.

**WEAKNESSES:**

- P.G Course in Home Science Biology is not available.
- Inadequate research facilities in the department.

**OPPORTUNITIES:**

Better opportunities for research work.

**CHALLENGES:**

- The main challenge facing the department (Faculty) is to increase the enrollment of students and improving their performance by discovering new placement opportunities.
- Inadequate funds to purchase new and latest Instruments.

**FUTURE PLANS:**

- To start Career Oriented Programme in Mushroom Cultivation.
- To avail Major Research Projects in the department
- To organize students enrichment programmes with external experts.
- To collaborate for research with different colleges and departments.
- Study tours to enhance interest in the subject.

■■■

1. Name of the Department : **Chemistry (Home Science)**
2. Year of Establishment : July 1996
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1996

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc. (Home Science)	Annual System

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Quali- fication	Design- ation	Specia- lization	No. of Years of Expe- rience	No. of Ph.D. Students guided for the last 4 years
Mr. P. S. Deshpande	M.Sc.	Assistant Professor	Organic Chemistry	18	-

11. List of senior visiting faculty:  
Dr. (Mrs.) Hema Gedam, Associate Professor, LAD and SRP College, Nagpur has taught two topics of the syllabus on dated 19<sup>th</sup> December, 2014.
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil
13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	130:1	159:1	166:1	187:1	195:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled  
Lab. Attendant : 01

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	<b>D.Sc.</b>	<b>Ph.D.</b>	<b>M.Phil.</b>	<b>M.Sc. (NET/SET)</b>	<b>M.Sc.</b>
No. of Permanent Faculty	-	-	-	-	01

16. Number of faculty with ongoing projects from a) National b)

International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

<b>Name of Faculty</b>	<b>No. of Papers published in Journal</b>		<b>No. of publication listed in International Database (Scopes)</b>	<b>Citation Index</b>	<b>Impact Factor</b>	<b>SNIP</b>	<b>SJR</b>	<b>H Index</b>
	<b>National</b>	<b>International</b>						
Mr. P. S. Deshpande	01	05	-	-	-	-	-	-

b) Books per faculty in: Nil

c) Publication per faculty in National/International Conferences/Seminars

<b>Name of Faculty</b>	<b>No. of papers presented (oral/poster/proceeding) at Conferences/Seminars</b>		<b>No. of Conferences/ Seminars attended</b>
	<b>International</b>	<b>National</b>	
Mr. P. S. Deshpande	02	-	11

20. Areas of consultancy and income generate: Nil

21. Faculty as members in :

<b>Name of Faculty</b>	<b>International Committee(s)</b>	<b>National Committee(s)</b>	<b>University Committee(s) (MC/BOS/LEC etc.)</b>	<b>Editorial Boards of Journals</b>
Mr.P. S.Deshpande	-	-	Co-opted Member of BOS in Textile & Clothing, RTM Nagpur University Nagpur	-

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students:

Mr. P. S. Deshpande has received Best paper award for the paper, "Synthetic Strategy for Tailoring of Ferric Oxide as Photocatalyst by Different Methods" in First International Congress on Science & Technology for Society with A Theme Sustainable Biodiversity Conservation through Technological and Social Approaches, dated 23-25<sup>th</sup> May, 2014, Bangkok, Thailand.

24. List of eminent academicians and scientists / visitors to the Department: Nil

**25. Seminars/ Conferences/Workshops organized and the source of funding**

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
National	Joint organization of National Seminar by Science and Home Science Faculties on "Recent Trends in Life Sciences, Material Sciences and Home Sciences" on dated 4 <sup>th</sup> October, 2015.	Registration fees	
International	Joint organization of International Conference by Science and Home Science Faculties: "Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012".	UGC	100000

**26. Student profile programme/course wise:**

Name of the Course/ programme	Acad-emic Year	Appli- cations received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.Sc.-III (Home Science)</b>	2010-11	33	32	-	33	04	24	87.5	66.03
	2011-12	49	48	-	49	05	31	75.0	61.99
	2012-13	45	45	-	45	06	13	42.2	61.54
	2013-14	44	43	-	44	00	33	79.0	65.66
	2014-15	45	45	-	45	02	28	69.7	65.06

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	100	-	-

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil**

**29. Student progression:**

**30. Details of Infrastructural facilities:**

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 53, Central Lib. 1259 - Central Library: 03
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	01 Wi-fi 01 -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	UG Laboratory and Staffroom All chemicals and equipments required for Chemistry (Home Science) practicals.

31. Number of students receiving financial assistance from college, university, government or other agencies

An average 60% students get financial assistance from Government agencies in the form of scholarship and freeships.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

Dr. Hema Sanjay Gedam, Associate Professor, LDA and SRP College, Nagpur on “Detergent and Soap” dated 19<sup>th</sup> December, 2014.

33. Teaching methods adopted to improve student learning:

- Use of blackboard teaching
- Use of charts, models, overhead projector and PowerPoint presentation.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Participation of students in wildlife celebration, social functions organized by Sevalal Education Society.
- Participation of students in NSS activities.
- Financial assistance to Orphan Students.
- Active participation of students in exhibition-cum-sale events organized by Home Science Faculty.
- Participation of faculty member in educational-cum-recreational long tours of Home Science faculty.

35. SWOC analysis of the department and Future plans

**STRENGTHS:**

- 1) Good infrastructure Facility.
- 2) Excellent performance of the students in University examinations.

**WEAKNESSES:**

- 1) Less job opportunities
- 2) No PG Course in Home Science Chemistry.
- 3) Admissions to Home Science course are less.

**OPPORTUNITIES:**

- 1) Home Science course offers self-employment opportunity and can set-up small scale industries
- 2) Self help group can formed.

**CHALLENGES:**

- 1) To popularize the Home Science course in order to get more admission at UG Level.
- 2) To promote Home Science faculty at rural and urban level.

■■■

1. Name of the Department : **Home Science Extension Education**
2. Year of Establishment : 1996
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1996

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc. (H.Sc.)	Annual pattern

6. Participation of the department in the courses offered by other departments:
  - Dr. (Mrs.) Aparna.S. Dhoble is University recognized Ph.D. Supervisor in Home Economics and has been associated with Home Science Faculty, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. Seven students have been registered and Five students have submitted their thesis to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, namely, Ms. Shubhangi A. Bhoyar, Ms. Alka R.Kotamkar, Ms. Kshama V. Gaherwar, Ms. Vanita Y. Wanjari, Ms. Vaishali K. Meshram are pursuing Ph.D. programme under her Supervision.
  - Dr. (Mrs.) Aparna.S. Dhoble is University recognized Ph.D. Supervisor in Home Science and has been associated with Home Science Faculty, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. Seven students have been registered under her Supervision. Two students namely Mrs.V. Punithavathi and Ms.Sushma J.Bahekar have submitted their thesis to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. Courses in collaboration with other universities, industries, foreign institutions, etc.

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	02	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. (Mrs.) A.S. Dhoble	M.Sc. Ph.D.	Assistant Professor	Home Science Extension	15	-

11. List of senior visiting faculty: Nil



12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

UG : 51%

13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	65:1	80:1	83:1	94:1	97:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Lab. Attendant : 01

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	01	-	-	-
No. of Temporary Faculty	-	-	-	-	01

16. Number of faculty with ongoing projects from a) National  
b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major/Minor Projects (Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grant Sanctioned	Grants received
Dr.(Mrs.)A.S. Dhoble	Minor/ Completed	Assessment of rural women's awareness regarding environment and sanitation	UGC	75000/-	55,000/-

18. Research Centre /facility recognized by the University: Nil

19. Publications:

- a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Dr. (Mrs.) A.S.Dhoble	-	07	-	-	-	-	-	-

- b) Books per faculty: Nil

- c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/ proceeding) at Conferences/Seminars		No. of Conferences/ Seminars attended
	International	National	
Dr. (Mrs.) A. S.Dhoble	03	08	21

20. Areas of consultancy and income generated: Nil

**21. Faculty as members in**

<b>Name of Faculty</b>	<b>International Committee(s)</b>	<b>National Committee(s)</b>	<b>University Committee(s) (MC/BOS/LEC etc.)</b>	<b>Editorial Boards of Journals</b>
Dr.(Mrs.)A.S . Dhoble	Life Membership of International Society of Extension Education.		<ul style="list-style-type: none"> <li>* Chairperson of the Board of Studies in Home Science Extension Education, R.T.M. Nagpur University, Nagpur from 2011-12 to 2014-15.</li> <li>* Member of Subject Examination Committee in UG and PG Home Science Extension Education, R.T.M. Nagpur University, Nagpur</li> <li>* Member of Subject Examination Committee in UG and PG Home Science Extension Education, Gondwana University, Gadchiroli,</li> <li>* Member of University constituted Selection Committee in Home Science Extension and Master of Fashion Design.</li> <li>* Chairman and Member of LECs, R.T.M. Nagpur University, Nagpur.</li> <li>* Member of Syllabus Framing Committee, Gondwana University, Gadchiroli,</li> </ul>	-

**22. Student projects**

- a) Percentage of students who have done in-house projects including inter departmental/programme: Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

**23. Awards / Recognitions received by faculty and students: Nil**

**24. List of eminent academicians and scientists/visitors to the Department: Nil**

**25. Seminars/ Conferences/Workshops organized and the source of funding**

<b>Conference/ Seminar/ Workshop</b>	<b>Title</b>	<b>Source of Funding</b>	<b>Grant received Rs.</b>
National	Joint organization of National Seminar by Science and Home Science Faculties on “Recent Trends in Life Sciences, Material Sciences and Home Sciences”, Nagpur dated 4 <sup>th</sup> October, 2015.	Registration fees	-
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology, Nagpur dated 3-5 November, 2012”.	UGC	1,00,000

**26. Student profile programme/course wise:**

Name of the Course/ programme	Acad-emic Year	Appli- cations received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.Sc.-III (Home Science)</b>	2010-11	33	32	-	33	18	32	100	83.33
	2011-12	49	48	-	49	12	43	88.00	90.51
	2012-13	45	45	-	45	22	40	88.80	91.67
	2013-14	44	43	-	44	27	40	100	84.27
	2014-15	45	45	-	45	12	39	88.63	88.89

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. (H.Sci.)	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Nil

**29. Student progression**

Student progression	Against % enrolled
UG to PG	2%

**30. Details of Infrastructural facilities**

S. N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 27, Central Lib. 53 Central Library: – Central Library: 01
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	01 Wi-fi 01 --
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	UG Laboratory and Staff room Over Head Projector

31. Number of students receiving financial assistance from college, university, government or other agencies:

An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning Lecture method, PowerPoint presentation, overhead projector, ICT.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Dr. (Mrs.) A. S. Dhoble, worked as Resource Person at National Institute of Public Cooperation and Child Development, Indore on 21<sup>st</sup> February, 2012.
- Dr. (Mrs.) A. S. Dhoble, worked as Jury for the poster presentation at National Seminar on dated 11<sup>th</sup> October, 2014.
- Donations for flood relief fund and to orphan children
- Dr. (Mrs.) A. S. Dhoble has worked as Member of Organizing Committee in the multidisciplinary National and International conferences organized by Sevalal Mahila Mahavidyalaya and Vishwashanti Multipurpose Society.
- Educational tours and field visits for the B.Sc.-I & II students have been organized in order to study the household problems of housewives and working pattern of Mahila Mandal in different villages, respectively.
- Dr. Mrs. A. S. Dhoble has published poems in various magazines and books having ISBN numbers.
- Dr. Mrs. A. S. Dhoble has presented poems in Hindi, Marathi and English on various National-International platforms.

35. SWOC analysis of the department and Future plans

**STRENGTHS:**

1. Always motivate students by counseling to participate in different competitions for college level and inter college events.
2. Good infrastructure Facility.
3. Excellent performance of the students in University examinations.

**WEAKNESSES:**

1. Less job opportunity.
2. Progression of students to higher education i.e. U.G. to P.G. is very less.
3. Admissions to Home Science course are less.

**OPPORTUNITIES:**

1. Home Science course offers self-employment opportunity and can set-up small scale industries
2. Self help group can formed.

**CHALLENGES:**

1. To popularize the Home Science course in order to get more admission at UG Level.
2. To promote Home Science faculty at rural and urban level.

■ ■ ■

1. Name of the Department : **Food and Nutrition (Home Science)**
2. Year of Establishment : 1996
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1996

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.(H.Sc.)	Annual

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.(Mrs.) M. M. Johrapurkar	M.Sc., B.Ed., M.Phil., Ph.D	Assistant Professor	Food Science and Nutrition	14	---
Mrs. J. D. Kamble	M.Sc., NET, B.Ed.	Assistant Professor	Food And Nutrition	09	---

11. List of senior visiting faculty : Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil
13. Student -Teacher Ratio (programme wise):

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	65:1	80:1	83:1	94:1	98:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled  
Lab. Attendant : 01

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./MPhil / PG

	<b>D.Sc.</b>	<b>Ph.D.</b>	<b>M.Phil.</b>	<b>M.Sc. (NET/SET)</b>	<b>M.Sc.</b>
No. of Permanent Faculty	-	01	-	01	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

<b>Name of the Faculty</b>	<b>Major/Minor Projects (Status: Completed/ Ongoing)</b>	<b>Title of the Project</b>	<b>Funding Agency</b>	<b>Grants Sanctioned</b>	<b>Grants received</b>
Dr.(Mrs.)M.M. Joharapurkar	Minor Research Project (completed)	Impact of maternal nutritional status on the outcome of pregnancy	UGC	23,000	23,000
Mrs. J. D. Kamble	Minor Research Project (completed)	“ Effect of Dietary Iron And Medicinal supplementation with Nutrition Education on selected Anaemic college going girls of different socio economic Groups”	UGC	1,00,000	75,000
Dr.(Mrs.)M.M. Joharapurkar	Minor / Sanctioned	Assessment of Nutritional status of Rural Women	UGC	2,65,000	-

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

<b>Name of Faculty</b>	<b>No. of Papers published in Journal</b>		<b>No. of publication listed in International Database (Scopes)</b>	<b>Citation Index</b>	<b>Impact Factor</b>	<b>SNIP</b>	<b>SJR</b>	<b>H Index</b>
	<b>National</b>	<b>Inter-national</b>						
Dr.(Mrs.) M.M. Joharapurkar	01	04	-	-	-	-	-	-
Mrs. J. D. Kamble	02	03	-	-	-	-	-	-

b) Books per faculty in

<b>Name of Faculty</b>	<b>No. of Books published with ISSN No.</b>	<b>Chapters in Books</b>	<b>Books Edited</b>
Dr.(Mrs.) M. M. Joharapurkar		“Correlates of Dietary Intake of Pregnant Women with the Birth Weight of Newborns, <i>In</i> . Sustainable Approaches for Environmental Conservation, Biotech Books, New Delhi, 2013, pp.135-143. ISSN: 978-81-7622-280-8	

## c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/proceeding) at Conferences/Seminars		No. of Conferences/Seminars attended
	International	National	
Dr.(Mrs.) M. M. Joharapurkar	06	07	08
Mrs.J. D .Kamble	03	05	04

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

Name of Faculty	International Committee (s)	National Committee(s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Dr.(Mrs.)M.M. Joharapurkar	-	Life Member of Indian Dietetic Association, Home Science Association of India and Nutrition Society of India	<ul style="list-style-type: none"> <li>• Member of Board of Studies in Home Science, RTM. Nagpur University, Nagpur</li> <li>• Co-opt Member of Board of Studies in Home Science, Gondwana University, Gondwana,</li> <li>• Member of LECs R.T.M. Nagpur University, Nagpur</li> <li>• Member of University constituted selection committee</li> <li>• Member, Special Task Committee For Home Science, RTMNU.</li> </ul>	Co-Editor of Journal- International journal of Social Science and Information Studies
Mrs.J.D. Kamble	-	Life Member of Nutrition Society of India.	-	-

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme: Nil
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students:

- Dr.(Mrs.) Meghali M. Joharapurkar has been awarded Ph.D. Degree in Food Science & Nutrition by R.T.M.Nagpur University, Nagpur on dated 22<sup>nd</sup> May, 2012.

- Dr.(Mrs.) Meghali M. Joharapurkar has conferred Best Paper Award in 1<sup>st</sup> International Congress on Science & Technology For Society, Bangkok, Thailand, dated 23-25<sup>th</sup> May, 2014.
- Dr.(Mrs) Meghali M. Joharapurkar has worked for Jury in Poster presentation) 1<sup>st</sup> International Congress on Science & Technology for Society, Bangkok, Thailand, dated 23-25<sup>th</sup> May, 2014.
- Dr.(Mrs.) Meghali M. Joharapurkar worked as Rapporteur for Technical session in II<sup>nd</sup> world Congress for Man & Nature for Entitled Global Change Impact on Biodiversity Culture & Technology, Nagpur dated 3-5<sup>th</sup> November, 2012
- Miss.Nikita Nichani student of B.Sc.-II (Home Science) has received First prize in Essay Competition in XIII Annual Scientific Session of Nutrition Society of India, Nagpur Chapter dated 28<sup>th</sup> September, 2014.

24. List of eminent academicians and scientists / visitors to the Department: Nil

25. Seminars/ Conferences/Workshops organized and the source of funding

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
National	Joint organization of National Seminar by Science and Home Science Faculties on “Recent Trends in Life Sciences, Material Sciences and Home Sciences” on dated 4 <sup>th</sup> October, 2015.	Registration fees	
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology, Nagpur on dated 3-5 November, 2012”.	UGC	100000

26. Student profile programme/course wise:

Name of the Course/ programme	Acad-emic Year	Applica- tions received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.Sc.-III (Home Science)</b>	2010-11	33	32	-	33	08	29	90.63	80
	2011-12	49	48	-	49	03	31	63.26	66.67
	2012-13	45	45	-	45	03	18	40.90	65.38
	2013-14	44	43	-	44	06	39	92.85	77.89
	2014-15	45	45	-	45	09	35	80	88.07

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.(H.Sc.)	100%	-	-



28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

- Ms. Meenakshi Kanphade has passed SET examination in 2014.

29. Student progression

Student progression	Against % enrolled
UG to PG	3.63%
<b>Employed</b>	
<input type="checkbox"/> Campus selection	-
<input type="checkbox"/> Other than campus recruitment	2%

30. Details of Infrastructural facilities

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 84, Central Lib. 161 - Central Library: 02
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	01 Wi-fi 01 --
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	UG Laboratory and Staffroom  Cooking Range, Refrigerator, Mixer, Food Processor, Haemometer, Weighing Machine and Kitchen Scale

31. Number of students receiving financial assistance from college, university, government or other agencies:

An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

- Workshop on food Preservation conducted by Mrs. Praneeta Kulkarni, Demonstration Officer, Food and Nutrition Board, Ministry of Woman and Child Development, Govt. of India, C.F.N.E.U., Nagpur on dated 6-10<sup>th</sup> December, 2010; 30<sup>th</sup> January to 3<sup>rd</sup> February, 2011; 4-8<sup>th</sup> February, 2013 and 5-9<sup>th</sup> January, 2015.
- Dr. (Mrs.) Rekha Sharma, Associate Professor, UGC-HRD centre, RTMNU, Nagpur on "Social Protection and Agriculture" dated 16<sup>th</sup> October, 2015.

33. Teaching methods adopted to improve student learning

- Black-Board Teaching
- Use of Over Head Projector, Charts and Models, PowerPoint Presentations.
- Practical Demonstration and arrangement of workshop.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

- Dr. (Mrs.) M. M. Joharapurkar has worked as Joint Organizing Secretaries for National Conference on Life Sciences, Material Sciences & Home Sciences on dated 4<sup>th</sup> October, 2015
- Donation to Orphanage Students.(Extension Activity)
- Donation for Flood Relief Fund
- Donation to Soldier on Flag Day.
- Educational Visit to Health Club during session 2010-2015 for B.Sc III<sup>rd</sup> year students.
- Mrs. J. D. Kamble participated in NSS activities as Member of College NSS Committee
- Visit to Health Clinic for B.Sc.III Home Science dated 18<sup>th</sup> December, 2015.

35. SWOC analysis of the department and Future plans

**STRENGTHS:**

- Well qualified and experience teaching staff.
- Development of entrepreneurship skill amongst students by conducting workshop.

**WEAKNESSES:**

- Modern equipments are necessary.
- Mostly students are coming from weaker socio-economic section of the society.

**OPPORTUNITIES:**

- Students can get better jobs opportunities in Government and private sectors.
- Students get employment as dieticians in Hospitals and Health Clinics and Research Assistants, Food Analysts, Food Scientists in industries.

**CHALLENGES:**

- Need to increase admission in Home Science Faculty at U.G. level.
- Need to promote Home Science Colleges at urban and rural area.

**FUTURE PLANS:**

- With the help of students, diet exhibitions shall be arranged in order to create awareness regarding balanced diet and nutritional disorder among the masses.
- To organize food and nutrition related workshops for students.

■■■

1. Name of the Department : **Human Development (Home Science)**
2. Year of Establishment : 1996
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1996

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc. (Home Science)	Annual System

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	2	1

11. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M. Phil. etc.)

**Permanent Faculty:**

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. (Mrs.) A.R. Ratkanthiwar	M.Sc., M.Phil. Ph.D.	Assistant Professor	Human Development	18	-

**Temporary Faculty**

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms. Mamta Balpande	M.Sc.	CHB	Human Development	04	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:  
UG : 30%

13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	65:1	80:1	83:1	94:1	98:1

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled

Lab. Attendant : 01

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	01	-	-	-
No. of Temporary Faculty	-	-	-	-	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major / Minor Projects (Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grants received	Recieved
Dr. (Mrs.) A.R. Ratkanthiwar	Minor/ Completed	Impact of Personality Type on Intelligence of Adolescent Childred	UGC	55,000	35,000

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Dr. (Mrs.) A.R. Ratkanthiwar	8	3	-	-	-	-	-	-

b) Books per faculty

Name of Faculty	No. of Books published with ISSN No.	Chapters in Books	Books Edited
Dr. (Mrs.) A.R. Ratkanthiwar		Providing Health Security through Indian Mulberry Extract. <i>In</i> . Floral diversity and their conservation, Biotech Books, 2013, pp.35-41, ISBN : 978-81-7622-286-0	-

c) Publication per faculty in National/International Conferences/Seminars

Name of faculty	No. of papers presented (oral/poster/proceeding) at conferences/seminars		No. of conferences / seminars attended
	International	National	
Dr.(Mrs.)A.R. Ratkanthiwar	03	05	10

20. Areas of consultancy and income generated - Nil

21. Faculty as members in

Name of Faculty	International Committee(s)	National Committee(s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Dr. (Mrs.) A.R. Ratkanthiwar	-	-	<ul style="list-style-type: none"> <li>Member of Board of Studies in Human Development, Home Science Faculty, Gondwana University, Gadchiroli</li> <li>Member of University constituted Selection Committee, RTM Nagpur University, Nagpur</li> </ul>	-

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme: Nil
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/visitors to the Department: Nil

25. Seminars/Conferences/Workshops organized and the source of funding

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
National	Joint organization of National Seminar by Science and Home Science Faculties on "Recent Trends in Life Sciences, Material Sciences and Home Sciences" on dated 4 <sup>th</sup> October, 2015.	Registration fees	
International	Joint organization of International Conference by Science and Home Science Faculties: "Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology, Nagpur on dated 3-5 November, 2012".	UGC	100000

26. Student profile programme/course wise:

Name of the Course/ programme	Acad-emic Year	Appli- cations received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.Sc.-III (Home Science)</b>	2010-11	33	32	-	33	-	41	93	80.2
	2011-12	49	48	-	49	3	44	90	92.5
	2012-13	45	45	-	45	-	22	50	64.7
	2013-14	44	43	-	44	2	36	86	66.8
	2014-15	45	45	-	45	8	38	86	70.7

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. (H.Sc.)	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc: Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	3%

30. Details of Infrastructural facilities

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 70, Central Lib. 150 - Central Library: 02
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	UG Laboratory and Staffroom All types of psychological tests are available at UG Level

31. Number of students receiving financial assistance from college, university, government or other agencies:

An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

- Mrs. Malini Malvendra on 'Personality Development' dated 8<sup>th</sup> September, 2011.
- Ms. Shiny Chib on "Communication Skills, Methods of Group Discussion" dated 11<sup>th</sup> January, 2012
- Dr. Ms. Purva Bhadre on "Bodily Fitness of Girls and Psychological Disturbances" dated 14<sup>th</sup> August, 2012.

- Mr. Sanjay Nathe on “To Prepare Self for Competitive Examination” dated 1<sup>st</sup> October, 2013.
  - Mr. Rahul Harde on “Preparation for Interview” dated 17<sup>th</sup> January, 2014.
  - Dr. Raju Mohota on “Today’s Youth and Their Emotional and Psychological Relations with their Parents” dated 30<sup>th</sup> December, 2014.
  - Mr. Sanjay Raghtate on “Future Challenges for Students” dated 25<sup>th</sup> January, 2015.
  - Mr. Rahul Harde on “Positive Methods of Facing Interview” dated 10<sup>th</sup> January, 2015.
  - Dr. (Mrs.) Sapna Sharma on “Positive Mental Health” dated 13<sup>th</sup> January, 2015.
  - Organised “Bone Density Check-up Camp” in association with Lions Club Nagpur and Department of Human Development on dated 10<sup>th</sup> October, 2015.
33. Teaching methods adopted to improve student learning:
- Blackboard Teaching
  - Charts, Models, Lectures, Demonstration,
  - Seminars and Home Assignments.
  - Use of Audio and Video Aids including over head projector and power point presentations.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities  
Mrs. Archana Ratkanthiwar has actively participated in the National-International Conferences organized by Sevalal Mahila Mahavidyalaya and Vishwashanti Multipurpose Society, Nagpur.
35. SWOC analysis of the department and Future plans
- STRENGTHS –**
- Department has motivated the students by counseling to participate in various competitions at college and inter-college level.
  - The department motivated the students to improve their personality and used the knowledge for self employment like preparation of soft toys, education toys, baby sitting, care taker, counselors and pre-primary and primary teachers.
- WEAKNESSES –**
- Less job opportunities for Home Science graduates.
  - Students progression to UG to PG is less.
- OPPORTUNITY –**
- Students get opportunity to run crèche, self help groups, counseling centers, preparation of soft toys and educational toys.
- CHALLENGES –**
- Need to increase admission in Home Science Faculty at U.G. level.
  - Need to promote Home Science Colleges at urban and rural area.
- FUTURE PLANS:**
- With the help of students, diet exhibitions shall be arranged in order to create awareness regarding balanced diet and nutritional disorder among the masses.
  - To organize food and nutrition related workshops for students.
-

1. Name of the Department : **Physics (Home Science)**
2. Year of Establishment : **1996**
3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1996

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.(Home Science)	Annual

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Assistant Professors	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr.R.R. Nagpure	M.Sc., B.Ed	Assistant Professor	Nuclear Physics	18	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil
13. Student -Teacher Ratio (programme wise) For B.Sc.-I (H.Sc.) & B.Sc.-II (H.Sc.)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	110:1	119:1	119:1	140:1	135:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled  
Lab. Attendant : 01

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	-	-	-	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil



19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Mr.R.R. Nagpure	-	07	-	-	-	-	-	-

b) Books per faculty in

Name of Faculty	No. of Books published with ISBN No.	Chapters in Books	Books Edited
Mr. R. R. Nagpure	-	<ul style="list-style-type: none"> <li>Climate Change, Impact on Agriculture, <i>In</i>. Impact of Global Change on Earth Ecosystems, Biotech Books, New Delhi, 2013, pp.13-20, ISBN No. 978-81-7622-273-0.</li> <li>Synthesis and Characterization of <math>SR_2CeO_4</math>, Nano Phosphor, <i>In</i>: Environmental Biotechnology, Biotech Books, New Delhi, 2013, pp.163-170, ISBN No. 978-81-7622-280-8.</li> </ul>	-

c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/proceeding) at Conferences/Seminars		No. of Conferences/Seminars attended
	International	National	
Mr. R. R. Nagpure	07	01	16

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

Name of Faculty	International Committee(s)	National Committee(s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Mr. R. R. Nagpure	-	-	Co-op Member in the Board of Studies of Resource Management, R.T.M. Nagpur University, Nagpur	<ul style="list-style-type: none"> <li>Associate Editor of Special Issue of Journal of Biological and Physical Sciences, ISSN: 2319-636X (November, 2012)</li> <li>Co-Editor of Journal of Bionano Frontier ISSN: 0974-0678 (November-2012)</li> </ul>

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the Department: Nil

**25. Seminars/ Conferences/Workshops organized and the source of funding:**

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
National	Joint organization of National Seminar by Science and Home Science Faculties on “Recent Trends in Life Sciences, Material Sciences and Home Sciences” on dated 4 <sup>th</sup> October, 2015.	Registration fees	-
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology, Nagpur on dated 3-5 November, 2012”.	UGC	100000

**26. Student profile programme/course wise:**

Name of the Course/ programme	Acad-emic Year	Applica- tions received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.Sc.-II (Home Science)</b>	2010-11	73	68	-	68	06	44	74	72.82
	2011-12	22	16	-	15	07	08	95	53.33
	2012-13	58	52	-	52	05	36	79	58.33
	2013-14	47	44	-	44	04	21	57	54.28
	2014-15	63	56	-	56	14	40	97	67.52

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Applied Physics & Basic- Computer	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc: Nil

29. Student progression -

**30. Details of Infrastructural facilities**

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 74, Central Lib. 376 Central Library: -- Central Library: 01
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	-- Wi-fi -- --
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	UG Laboratory and Staffroom Post office box, Potentiometer, Travelling Microscopes, Vairac, Voltmeter

31. Number of students receiving financial assistance from college, university, government or other agencies:

An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning

- Conventional Chalk Board method
- Lecture
- Discussion
- ICT- through Power Point Presentation, Videos

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

**STRENGTH:**

- Adequate teaching and student ratio
- Experienced and qualified teaching staff
- Adequate Infrastructure and Laboratory Facility
- 90-100% results in University exams

**WEAKNESSES:**

- P.G department is Not available
- Research facilities in department is needed

**OPPORTUNITIES:**

- Less Govt. Job opportunity.
- Not applicable for UG to PG.

**CHALLENGES:**

- The main challenge facing the department (Faculty) is to increase the enrollment of students and improving their performance by discovering new placement opportunities.
- Inadequate funds to purchase new and latest Instruments.

**FUTURE PLANS:**

- Major Research Project to increase Instrumentation in department
- To organize students enrichment programmes with external experts.
- To collaborate for research with different colleges and departments.
- Study tours to enhance interest in the subject.

■■■

1. Name of the Department : **Resource Management (Home Science)**
2. Year of Establishment : **1996**
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1996

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.(Home Science)	Annual

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	02	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

**Permanent Faculty:**

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.(Mrs.) S.D. Bhoyar	M.Sc., M.Phil., Ph.D.	Head and Assistant Professor	Resource Management	18	-

**Temporary Faculty:**

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms.A.M. Zanzal	M.Sc., M.Phil.	CHB	Resource Management	10	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty  
UG: 30%
13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	65:1	80:1	83:1	94:1	98:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Lab. Attendant: 01

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	<b>D.Sc.</b>	<b>Ph.D.</b>	<b>M.Phil.</b>	<b>M.Sc. (NET/SET)</b>	<b>M.Sc.</b>
No. of Permanent Faculty	-	01	-	-	-
No. of Temporary Faculty (CHB)	-	-	01	-	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

<b>Name of the Faculty</b>	<b>Major/Minor Projects (Status: Completed/ Ongoing)</b>	<b>Title of the Project</b>	<b>Funding Agency</b>	<b>Grants received</b>
Dr. (Mrs.) S. D. Bhoyar	Minor/ Completed	A Comparative Study on Growing Vegetables Using Vermicompost and Manure Prepared from Kitchen Waste	UGC	1,05,000

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals.

<b>Name of Faculty</b>	<b>No. of Papers published in Journal</b>		<b>No. of publication listed in International Database (Scopes)</b>	<b>Citation Index</b>	<b>Impact Factor</b>	<b>SNIP</b>	<b>SJR</b>	<b>H Index</b>
	<b>National</b>	<b>Inter-national</b>						
Dr. (Mrs.) S.D. Bhoyar	05	05	-	-	-	-	-	-

b) Books per faculty

<b>Name of Faculty</b>	<b>No. of Books published with ISSN No.</b>	<b>Chapters in Books</b>	<b>Books Edited</b>
Dr. (Mrs.) S.D. Bhoyar			Edited the Textbook "Home Management" for Maharashtra State Board of Secondary and Higher Secondary Education, Pune. (2012)

c) Publication per faculty in National/International Conferences/Seminars

<b>Name of Faculty</b>	<b>No. of papers presented (oral/poster/ proceeding) at Conferences/Seminars</b>		<b>No. of Conferences/ Seminars attended</b>
	<b>International</b>	<b>National</b>	
Dr. (Mrs.) S. D. Bhoyar	06	05	22

20. Areas of consultancy and income generated: Nil

## 21. Faculty as members in

Name of Faculty	International Committee(s)	National Committee(s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Dr. (Mrs.) S. D. Bhoyar		Member, Home Science Association of India	Co-opt Member of Board of Studies in Resource Management, R.T.M. Nagpur University, Nagpur (2014-15)	Member of Editorial Board Online Journal IJRSSIS from 2013 onwards.
			Member of Selection Committee constituted by R.T.M. Nagpur University, Nagpur	

## 22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme: Nil
- Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

## 23. Awards/Recognitions received by faculty and students:

- Dr. (Mrs.) S. D. Bhoyar has been awarded Ph.D. Degree in Family Resource Management by RTM Nagpur University, Nagpur dated 16<sup>th</sup> July, 2015
- Dr. (Mrs.) S. D. Bhoyar has worked as Rapporteur for Technical Session in 1<sup>st</sup> International Congress on Science and Technology for Society entitled, "Sustainable Biodiversity Conservation Through Technological and Social Approaches" at Bangkok dated 23-25<sup>th</sup> May, 2014.

## 24. List of eminent academicians and scientists/visitors to the Department: Nil

## 25. Seminars/ Conferences/Workshops organized and the source of funding

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
National	Joint organization of National Seminar by Science and Home Science Faculties on "Recent Trends in Life Sciences, Material Sciences and Home Sciences" on dated 4 <sup>th</sup> October, 2015.	Registration fees	-
International	Joint organization of International Conference by Science and Home Science Faculties: "Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology, Nagpur on dated 3-5 November, 2012".	UGC	100000
c) Departmental Workshops/ Seminars.	Workshop "Making of Fancy Name Plates" conducted by Hobby Promotor Mrs. Geeta chawada of Camlin India Ltd., dated 09 <sup>th</sup> September, 2015.	-	-

26. Student profile programme/course wise:

Name of the Course/ programme	Acad-emic Year	Appli- cations received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.Sc.-III (Home Science)</b>	2010-11	33	32	-	33	12	32	100	91.98
	2011-12	49	48	-	49	20	29	100	96.84
	2012-13	45	45	-	45	12	25	88	90.38
	2013-14	44	43	-	44	25	17	100	84.83
	2014-15	45	45	-	45	16	26	89	89.70

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. (Home Science)	100%	--	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

- Ms. Trushna Kalambe has passed the NET examination.

29. Student progression

Student progression	Against % enrolled
UG to PG	5%
<b>Employed</b>	
☐ Campus selection	-
☐ Other than campus recruitment	5%

30. Details of Infrastructural facilities

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 30, Central Lib. 125 - -
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	UG Laboratory and Staffroom Drawing Board, Moulds, Vases

31. Number of students receiving financial assistance from college, university, government or other agencies:

An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

32. Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts.

- Workshop on 'Jute Art' conducted by Mrs. Sangita Kadu, Hobby Promoter, dated 12<sup>th</sup> January, 2011.
  - Workshop - "Rangoli on Transparencies" conducted by Vibha Bhotmange Hobby Promoter, dated 30<sup>th</sup> January, 2013.
  - Workshop on "Artificial Flower Making" by Prema Ratnaparkhi, Assistant Professor, C. P. & Berar College, Nagpur, dated 25<sup>th</sup> January, 2014.
  - Workshop on "Innovative Ideas of Fabric Painting" conducted by Mrs. Zubeda Ali, Hobby Promoter dated 20<sup>th</sup> January, 2015.
  - Exhibition-cum-Sale of Handmade Articles by B.Sc.-III (H.Sci.) students dated 15<sup>th</sup> October, 2015.
33. Teaching methods adopted to improve student learning:
- Blackboard teaching
  - Use of Over Head Projector in teaching
  - PowerPoint Presentation, Charts and Models
  - Arranging workshops, practical demonstration, study tours and visits.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Active participation of staff and students in all the functions organized by Home Science Faculty, National Service Scheme and Sevalal Education Society, Nagpur.
  - Organization of Parent-Teacher Meets, health awareness function and exhibition-cum-sale of handmade articles.
  - Financial assistance to orphanage.
  - Active participation in organization of seminars and conferences.
35. SWOC analysis of the department and Future plans
- STRENGTHS:**
- Experienced and qualified teaching staff.
  - Adequate infrastructure and laboratory facility.
  - Excellent results in University examination.
  - Skill development programmes and workshop are undertaken in order to develop entrepreneurship skill amongst students.
  - Collaborative work of the department with other subjects of the faculty.
- WEAKNESSES:**
- Most of the students admitted are from weaker socio-economic section of the society.
  - Less number of Job opportunities.
  - Progression of students from UG to PG is less.
- OPPORTUNITIES:**
- Students can run cottage industry of handmade articles.
  - Self-Help Group can be formed.
  - May start certificate courses specifically P.G. Diploma in Interior Decoration.
- CHALLENGES:**
- Need to promote Home Science Faculty at urban and rural area.
  - Need to increase students progression from UG to PG.
- FUTURE PLANS:**
- To start PG Diploma Courses in Event Management and Interior Decoration.
  - To collaborate with NGOs and reach masses to render community services.





1. Name of the Department : **Textile and Clothing (Home Science)**
2. Year of Establishment : 1996
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1996
COP	2008

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.Sc.(H.Sc.)	Annual

6. Participation of the department in the courses offered by other departments. : Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.(Mrs.) N.A. Tiwade	M.Sc., M.Phil, B.Ed, Ph.D.	Head & Assistant Professor	Textile & Clothing	19	-
Dr.(Mrs.) H.A. Padole	M.Sc. M.Phil, B.Ed, Ph.D.	Assistant Professor	Textile & Clothing	19	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil
13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	65:1	80:1	83:1	94:1	98:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled  
Lab. Attendant : 01

15. Qualifications of teaching faculty with D.Sc/D.Litt/ Ph.D./ MPhil / PG.

	D.Sc.	Ph.D.	M.Phil.	M.Sc. (NET/SET)	M.Sc.
No. of Permanent Faculty	-	02	-	-	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major / Minor Projects (Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grants Sanctioned	Grants received
Dr.(Mrs.) H.A. Padole	Minor Project/ Completed	Effects of Detergents on Colourfastness Properties of vegetable and Synthetic dyed cotton fabrics.	UGC	1,45,000	1,27,000
Dr.(Mrs.) N.A. Tiwade	Minor Project/ Sanctioned	Textile Oriented Vocational Skills to College Going Girls- A Step Towards Women Empowerment	UGC	3,10,000	-

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Dr.(Mrs.) N.A.Tiwade	-	04	-	-	-	-	-	-
Dr.(Mrs.) H.A.Padole	-	04	-	-	-	-	-	-

b) Books per faculty

Name of Faculty	No. of Books published with ISSN No.	Chapters in Books	Books Edited
Dr.(Mrs.) N.A.Tiwade	-	The Environmentally Friendly Fabrics, <i>In: Sustainable Approaches for Environmental Conservation</i> Biotech Books, New Delhi 2013, pp.213-221, ISSN No 978-81-7622-280-8	-
Dr.(Mrs.) H.A. Padole	-	Natural Dyes: A Source of Medicinal Importance and Alternatives to Save Environment, <i>In: Impact of Global Climate Change on Earth Ecosystems</i> , Biotech Books, New Delhi, 2013, pp.247-250, ISSN No 978-81-7622-273-0	-

c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/proceeding) at Conferences/Seminars		No. of Conferences/Seminars attended
	International	National	
Dr.(Mrs.) N. A. Tiwade	06	06	17
Dr.(Mrs.) H. A. Padole	05	05	13

20. Areas of consultancy and income generated

Sr. No.	Description about consultancy services rendered	Income generated (Rs.)
1	Sewing & Embroidery Training Center at Narsala (Run By Department of Textile & Clothing)	1,000

20. Faculty as members in

Name of Faculty	Inter-national Committee(s)	National Committee(s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Dr.(Mrs) N.A. Tiwade	-	Life member of Home Science Association of India	<ul style="list-style-type: none"> <li>Member, Subject Examination Committee in Fashion Designing, UG Social Science, RTMNU from 2007-2011</li> <li>Member, Subject Examination Committee in UG and PG Home Science, RTMNU from 2011-12 to 2014-15</li> <li>Member, Subject Examination Committee in Bachelor of Fashion Designing, RTMNU from 2010-11 to 2013-14</li> <li>Member of Subject Examination Committee in BKPD RTMNU from 2011-12 to 2014-15</li> <li>Member, University Constituted Selection Committees from 2010-11 &amp; 2013-14</li> <li>Member of LECs From 2011-12 &amp; 2012-13</li> <li>Member of Syllabus Framing Committee in Fashion Design in Gondwana University, Gondwana from 2012-13 to 2014-15</li> </ul>	-
Dr.(Mrs) H.A. Padole	-	Life member of Home Science Association of India	<ul style="list-style-type: none"> <li>Member, Subject Examination Committee in UG Home Science, RTMNU from 2013-14 &amp; 2014-15</li> <li>Member, Subject Examination Committee in BKPD, RTMNU from 2010 - 2015</li> <li>Member of Subject Examination Committee in BFD, RTMNU from 2010-2015</li> <li>Member, RTM Nagpur University Constituted Selection Committees from 2013-14</li> <li>Member of Subject Examination Committee in Fashion Designing UG Social Science, RTMNU from 2007-2011</li> <li>Member of Subject Examination Committee in UG Home Science in Gondwana University, Gondwana from 2013-14</li> </ul>	-

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

## 23. Awards / Recognitions received by faculty and students:

- Dr. (Mrs.) N. A. Tiwade has awarded Ph.D. Degree in Textile and Clothing, (Faculty of Home Science) by RTM Nagpur University, Nagpur, dated 16<sup>th</sup> July, 2015.
- Dr. (Mrs.) H. A. Padole has awarded Ph.D. Degree awarded in Textile and Clothing, (Faculty of Home Science) by RTM Nagpur University, Nagpur on dated on dated 9<sup>th</sup> February, 2015.
- Dr. (Mrs.) H. A. Padole has worked as Rapporteur for Technical session in II<sup>nd</sup> world Congress for Man & Nature organized by Sevadal Mahila Mahavidyalaya, dated 3-5 November, 2012.
- Dr. (Mrs.) H. A. Padole has worked Rapporteur for Technical session in 1<sup>st</sup> International Congress on Science and Technology for Society at Bangkok dated 23-25<sup>th</sup> May, 2014

## 24. List of eminent academicians and scientists/visitors to the Department: Nil

## 25. Seminars/Conferences/Workshops organized and the source of funding:

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
National	Joint organization of National Seminar by Science and Home Science Faculties on "Recent Trends in Life Sciences, Material Sciences and Home Sciences" on dated 4 <sup>th</sup> October, 2015.	Registration fees	
International	Joint organization of International Conference by Science and Home Science Faculties: "Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology, Nagpur on dated 3-5 November, 2012".	UGC	100000
Departmental Workshops/ Seminars.	Handloom Mark Awareness Programme on 3 <sup>rd</sup> March, in association with Textile Committee Gove. Of India Ministry of Textile Nagpur.		10,000/-

26. Student profile programme/course wise:

Name of the Course/ programme	Acad-emic Year	Appli- cations received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.Sc.-III (Home Science)</b>	2010-11	33	32	-	33	16	30	93.75	84.05
	2011-12	49	48	-	49	29	48	98	93.87
	2012-13	45	45	-	45	26	41	91.11	91.67
	2013-14	44	43	-	44	10	38	90	73.63
	2014-15	45	45	-	45	15	39	89	92.68
<b>Certificate Course</b>	2010-11	21	21	-	21	21	21	100	-
	2011-12	14	14	-	14	14	14	100	-
	2012-13	12	12	-	12	12	12	100	-
	2013-14	13	13	-	13	13	13	100	-
	2014-15	16	16	-	16	16	16	100	-

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. (Home Science)	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	5%

30. Details of Infrastructural facilities

S. N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 35, Central Lib. 135 - Central Library: 01
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	01 Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/ PG/ Research)	In frastruc tural Facilities Instrumentation Facilities	UG Laboratory and Staffroom  Sewing Machine, Dress Form, Handloom, Table Loom, Computerized Embroidery machine, Singer Fashion Maker

31. Number of students receiving financial assistance from college, university, government or other agencies  
An average 60% students gets financial assistance from Government agencies in the form of Scholarship/Freeship.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts
- Mrs. Abhiruchi Ingole, Lecturer, Indian Fashion Institute Nagpur has conducted workshop on 'Sketching on Fashion Figure' on dated 14<sup>th</sup> December, 2010.
  - Mrs. Rajashree Bapat, Head & Assistant Professor, Dept. of Fashion Designing, Nikalas Mahila Mahavidyalaya, Nagpur has conducted workshop on 'Designing and Making Fashion Accessories,' dated 25<sup>th</sup> September, 2012.
  - Mr. Mohan Gokhale, Textile Consultant, Nagpur has delivered Guest Lecture on "Fiber to Fabric", dated 10<sup>th</sup> January, 2014.
  - Mrs. Vaishali Lande, Assistant Professor, Dept. of Fashion Designing, Nikalas Mahila Mahavidyalaya, Nagpur has delivered Guest Lecture on "Application of Computer in Fashion Designing," dated 11<sup>th</sup> January, 2014.
  - Mr. Shrikant Gadge, Textile Consultant, Nagpur has delivered Guest lecture on "Spectrums of Textile Industry," dated 26<sup>th</sup> December, 2014
  - Mrs. Archana Lande, Assistant Professor, Dept. of Fashion Designing, Nikalas Mahila Mahavidyalaya, Nagpur has delivered Guest Lecture on "Knitting", dated 14<sup>th</sup> January, 2015.
  - Mrs. Sayali Pande, Assistant Professor, Dept. of Fashion Designing, Nikalas Mahila Mahavidyalaya, Nagpur has conducted Workshop on "Draping," dated 10<sup>th</sup> January, 2015.
  - Mr. Babanrao Padolia, Manager, Nag-Vidarbha Charkha Sangh, Mul, has delivered Guest lecture on "Khadi as way of life" dated 19<sup>th</sup> October, 2015.
33. Teaching methods adopted to improve student learning
- Lecture Method, Blackboard teaching/
  - Demonstration, Use of Charts, Overhead Projector and ICT.
  - Relevant study material is provided for the students of Marathi medium, Question Bank is also provided to the student
  - Seminars
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Dr. (Mrs.) N. A. Tiwade has worked as Joint Organizing Secretary for II<sup>nd</sup> World Congress for Man & Nature on dated 03 to 05 Nov. 2012 at Sevadal Mahila Mahavidyalaya, Nagpur and National Seminar on Life Sciences, Material Sciences & Home Sciences dated 4<sup>th</sup> Oct. 2015 at Sevadal Mahila Mahavidyalaya, Nagpur.
  - Dr. (Mrs.) N. A. Tiwade has worked as Joint Organising Secretaries for UGC Sponsored Faculty member Dr. (Mrs.) N.A. Tiwade has worked as National Advisory Committee Member for 1<sup>st</sup> International Conference on Science, Engineering & Technology for Academics Industries & Society at RAK, Dubai dated 21 to 23 Nov. 2015.
  - Dr. (Mrs.) H. A. Padole has worked as Organizing Secretaries for 1<sup>st</sup> and 2<sup>nd</sup> International Conferences for Science and Technology Organised by

Vishwashanti Multipurpose Society at Bangkok, Thailand on Dated 23 to 25 May 2014 and Colombo, Sri Lanka dated 19 to 21 May 2015.

- Dr. (Mrs.) H. A. Padole has worked as Organising Committee Member for Publication for UGC Sponsored National Seminar on Life Sciences, Material Sciences & Home Sciences dated 4<sup>th</sup> Oct. 2015 at Sevalal Mahila Mahavidyalaya, Nagpur.
- Dr. (Mrs.) H. A. Padole has worked as Joint Organising Secretaries for 1<sup>st</sup> International Conference on Science, Engineering & Technology for Academics Industries & Society at RAK, Dubai on dated 21 to 23 Nov. 2015
- Faculty Members have started Sewing and Embroidery Training Centre, Narsala.
- Provided Sanitary Napkins to the Mentally Challenged women of Shrikrishna Ashram, Nagpur.
- Educational Visit to Sericulture Department on 19.10.2011 for B.Sc.-I year student
- Educational Tour was conducted for Home Science Students from 31<sup>st</sup> Jan 2015 to 7<sup>th</sup> Feb 2015 at Nagpur-Amrutsar-Kulu-Manali.

35. SWOC analysis of the department and Future plans

**STRENGTHS:**

- Adequate teaching and student ratio
- Experienced and qualified teaching staff
- Well Infrastructure and Laboratory Facility
- Excellent students performance in University examinations.
- COP Course in Textile Designing Increases Job Opportunities

**WEAKNESSES:**

- At the students intake is from weak financial sector they can not run.
- Less government job opportunity
- Percentage of UG to PG is less due to early marriages.

**OPPORTUNITIES:**

- Students get self employment as printer, dyer, weaver and designer.
- They can supply blocks, Dyes to textile Industries.
- Run Boutiques of exclusive garments, fabrics and other items
- Run hobby classes and vocational classes
- They can run self help group

**CHALLENGES:**

- The main challenge facing the department (Faculty) is to increase the enrollment of students
- To get the more no of admissions to UG
- To promote home science faculty of rural and urban level
- How to increase percentage of students from UG to PG

**FUTURE PLANS:**

- To organize students enrichment programmes with external experts.
- Educational Study tours to enhance interest in the subject.
- To organized more workshops for students



1. Name of the Department : **English and English Literature**
2. Year of Establishment : 1998
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
B.A.– Compulsory English	1998
B.A.– English Literature	2007

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.A.	Annual

6. Participation of the department in the courses offered by other departments:
  - Faculty Members have participated in teaching the Compulsory English at B.Sc.-I Science Faculty.
  - Faculty members have also participated in teaching the English and Communication Skill at B.Sc.-I (Home Science Faculty)
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons - Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Assistant Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. G.S. Kawale	M.A. M. Phil	Assistant Professor	English	15	--
Mr. P.M. Gajbhiye	M.A. NET.	Assistant Professor	English	6	--

11. List of senior visiting faculty - Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty - Nil:
13. Student -Teacher Ratio (programme wise)

UG (Comp Eng):

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	157:1	120:1	116:1	112:1	134:1

UG (Eng Lit):

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	18:1	17:1	15:1	16:1	18:1



14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./MPhil / PG.

	<b>D.Sc.</b>	<b>Ph.D.</b>	<b>M.Phil.</b>	<b>NET</b>	<b>M.A.</b>
No. of Permanent Faculty	-	-	01	01	-

16. Number of faculty with ongoing projects from a) National  
b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received -

<b>Name of the Faculty</b>	<b>Major / Minor Projects (Status: Completed/ Ongoing)</b>	<b>Title of the Project</b>	<b>Funding Agency</b>	<b>Grants sanctioned</b>	<b>Grants received</b>
Mr. P. M. Gajbhiye	Minor/ Sanctioned	The Influence of Buddhism on Jack Kerouac's 'The Dharma Bums And Some Of The Dharma'	UGC	90,000	-

18. Research Centre /facility recognized by the University - Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

<b>Name of Faculty</b>	<b>No. of Papers published in Journal</b>		<b>No. of publication listed in International Database (Scopes)</b>	<b>Citation Index</b>	<b>Impact Factor</b>	<b>SNIP</b>	<b>SJR</b>	<b>H Index</b>
	<b>National</b>	<b>Inter-national</b>						
Mr. G. S. Kawale	06	01	-	-	-	-	-	-
Mr. P. M. Gajbhiye	04	-	-	-	-	-	-	-

b) Books per faculty

<b>Name of Faculty</b>	<b>No. of Books published with ISSN No.</b>	<b>Chapters in Books</b>	<b>Books Edited</b>
Mr. G. S. Kawale	-	-	Essays of Angelo, S. Chand and Co., New Delhi, 2015, ISBN : 978-93-856-7629-1

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

<b>Name of Faculty</b>	<b>Inter-national Committee(s)</b>	<b>National Committee(s)</b>	<b>University Committee(s) (MC/ BOS/ LEC etc.)</b>	<b>Editorial Boards of Journals</b>
Mr. G.S.Kawale	-	-	Member of LECs, R.T.M. Nagpur University, Nagpur	Editorial Board, Journal of Biological & Physical Sciences Vol. IV Special Issue- Nov. 2012

**22. Student projects**

- a) Percentage of students who have done in-house projects including inter departmental/programme - Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies- Nil

**23. Awards/Recognitions received by faculty and students: Nil**

**24. List of eminent academicians and scientists /visitors to the Department: Nil**

**25. Seminars/Conferences/Workshops organized and the source of funding**

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
National	National Seminar on “Significance of Languages and Social Science in the Age of Information Technology” jointly organized by Social Science Faculty of Sevadal Mahila Mahavidyalaya, Nagpur and Vishwashanti Multipurpose Society on dated 4 <sup>th</sup> September, 2015.	Registration from participants	-
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012”.	UGC Registration from participants	100000.00

**26. Student profile programme/course wise:**

Name of the Course/ programme	Academic Year	Applica- tions received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				* M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.A.-III (Comp. Eng.)</b>	2010-11	87	83	-	83	-	45	54.21	47.00
	2011-12	80	75	-	75	02	38	50.66	45.49
	2012-13	52	50	-	50	-	16	32.00	47.03
	2013-14	90	84	-	84	-	44	52.38	52.65
	2014-15	45	43	-	43	-	22	51.16	36.41

Name of the Course/ programme	Academic Year	Applica- tions received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				* M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.A.-III (Eng. Lit.)</b>	2010-11	07	06	-	06	00	02	33.33	49.06
	2011-12	13	12	-	12	00	06	50.00	62.13
	2012-13	07	05	-	05	00	02	40.00	52.80
	2013-14	10	10	-	10	01	08	80.00	54.25
	2014-15	09	08	-	08	00	03	37.50	54.61

\*M = Male \*F = Female

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A.	100%	-	-

28. How many students have cleared national and state competitive examinations, such as NET, SLET, GATE, Civil services, Defense services, etc.: Nil

## 29. Student progression:

Students Progression	Against % Enrolled
UG to PG	7.31

## 30. Details of Infrastructural facilities

S.N .	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib.: - Central Lib. 387 - -
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	11 Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities	Language Lab. Course funded by UGC.

31. Number of students receiving financial assistance from college, university, government or other agencies –

Around 60% students belonging to SC/ST/OBC/NT and GEN/ Minorities received Government of India Scholarship and Freeship respectively.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:-

- Dr. M. S. Wankhede, Associate Professor, Dhanwate National College, Nagpur has delivered Guest Lecture, dated 10<sup>th</sup> September, 2013 and 7<sup>th</sup> October, 2015.
- Dr. D. V. Naik, Principal, Mokhare College, Nagpur delivered Guest lecture, dated 24<sup>th</sup> December, 2014 and 11<sup>th</sup> September, 2015.
- Dr. Swapnil Dhahat, Assistant Professor, Porwal College, Nagpur has delivered Guest Lecture, dated 30<sup>th</sup> July, 2015.

33. Teaching methods adopted to improve student learning:-

- Multi-media Presentation, Power Point Presentation.
- ICT (Information and Communication Technology)
- Class Seminars
- Demonstrations, Group Discussions

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Participation in Teachers Day programmes and various celebrations of important days.
- Departmental Study Tours.

35. SWOC analysis of the department and Future plans:

**STRENGTHS:**

- Well qualified teaching staff
- Well-stocked main and Departmental library
- Good rapport between teachers and students
- Teaching with new technologies–ICT/PowerPoint Presentation
- Communicative Language Laboratory
- Language awareness program
- Contribution in National Social Scheme
- Quality Infrastructure.

**WEAKNESSES:**

- No Post-graduation Course.

**OPPORTUNITIES:**

- High market value and demand.
- Multiple career opportunities for students in various fields
- Scope for developing value added courses like Content Writing/ Technical Writing, Business Communication, Mass Communication and Soft skills.

**CHALLENGES:**

- Most students belong to the rural area and unable to afford technologically advanced devices.
- Improving linguistic competence of students from rural areas.
- Improving research aptitude among students.

**FUTURE PLAN:**

- Setting up Post Graduation Department.

■■■

1. Name of the Department : **Home Economics**
2. Year of Establishment : 1998
3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1998

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.A.	Annual

6. Participation of the department in the courses offered by other departments:-  
Dr. Mrs. P. A. Chinchkhede has participated in teaching of B.Sc. students of Home Science Extension Education from the academic session 2011-12 to 2015-16.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mrs. S.D. Kolarkar	M.A. SET	Assistant Professors	Home Economics	11	-
Dr. Mrs. P.A. Chinchkhede	M.A., M.Phil., Ph.D., SET	Assistant Professors	Home Economics	04	-

11. List of senior visiting faculty:
  - Mrs. Pranita Kulkarni, Demonstration Officer, Food and Nutrition Board, Ministry of Women and Child Development, Food and Research Center, Nagpur has conducted the Food Preservation Workshop for the students of Home Economics, dated 3-5<sup>th</sup> January, 2011.

- Mr. Udayabhan Som, Demonstration Officer, Food and Nutrition Board, Ministry of Women and Child Development, Food and Research Center, Nagpur has conducted the Food Preservation Workshop for the students of Home Economics, dated 17-21<sup>st</sup> January, 2013.
- Mr. Mukund Mahore, Demonstration Officer, Food and Nutrition Board, Ministry of Women and Child Development, Food and Research Center, Nagpur has conducted the Food Preservation Workshop for the students of Home Economics, dated 6-9<sup>th</sup> February, 2015.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	61:1	52:1	52:1	66:1	81:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Laboratory Attendant: 01

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./MPhil / PG.

	D.Sc.	Ph.D.	M.Phil.	M.A. (NET/SET)
No. of Permanent Faculty	-	01	01	02*

\* Both the Faculty Members are NET qualified.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major / Minor Projects (Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grants received
Mrs. S.D. Kolarkar (Ms. S. M. Manwatkar)	Minor/ Completed	Gramin Mahilana Sway amrojgarasathi Bekri Prashikshanadware Rojgaras Prerna Denara Upkram	UGC	67,500/-

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Mrs. S.D. Kolarkar	10	03	-	-	-	-	-	-
Dr. (Mrs.) P.A. Chinchkhede	08	03	-	-	-	-	-	-

b) Books per faculty

Name of Faculty	No. of Books published with ISSN No.	Chapters in Books	Books Edited
Mrs. S.D. Kolarkar	-	Mahila Sakshamikaran – Ek Aavhan <i>In</i> Bhartiya Lokshahi Pudhil Aavhane, 2012, ISBN No.- 978-81-905776-52-2	-
Dr. (Mrs.) P.A. Chinchkhede	Poshan Aani Aaharshastra, 2013, ISBN No. 978-93-82962-13-7	-	-

c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/proceeding) at Conferences/Seminars		No. of Conferences/Seminars attended
	International	National	
Mrs. S.D. Kolarkar	-	01	23
Dr. Mrs. P.A. Chinchkhede	01	-	21

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

Name of Faculty	International Committee(s)	National Committee(s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Mrs. S.D. Kolarkar	-	Member of Home Science Association of India (No. 03/M-7/LF)	-	-
Dr. (Mrs.) P.A. Chinchkhede	Member, Women's International league for peace and freedom (H.Q. Geneva) (Maharashtra Branch)	-	-	-

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme:- Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

## 23. Awards / Recognitions received by faculty and students:

- Mrs. S. D. Kolarkar (Manwatkar) has been invited as a Chief Guest in the felicitation programme of meritorious students in SSC 2011 organized by Sarvajnik Bhim Smruti Mandal, Kamptee, on 15<sup>th</sup> Aug. 2011.
- Mrs. S. D. Kolarkar (Manwatkar) has worked as Raporteur, Multidisciplinary International Conference, WCMANU, 2012 organized by Sevalal Mahila Mahavidyalaya, Nagpur
- Mrs. S. D. Kolarkar (Manwatkar) has worked as Raporteur in National Seminar, jointly organized by Sevalal Mahila Mahavidyalaya, Nagpur and Vishwashanti Multipurpose Society, Nagpur, on dated 4<sup>th</sup> September, 2015.
- Dr. (Mrs.) P. A. Chinchkhede has awarded Ph.D. Degree by RTM Nagpur University, Nagpur in the year 2014.
- Dr. (Mrs.) P. A. Chinchkhede worked as an Expert Faculty in Indo-Israel Krishi Vikas Sanstha, Nagpur training Programme on "Processing and Making Some Items from Oranges," dated from 26<sup>th</sup> to 31<sup>st</sup> August 2013.

## 24. List of eminent academicians and scientists / visitors to the Department

S.N.	Name of Academician/ Scientist visited	Purpose	Date
1	Dr. Shreebala Deshpande, Head, Department of Home Economics, S. K.Porwal College, Kamptee,	Chairman for the Technical Session of National seminar organized by the College.	4 <sup>th</sup> September, 2015
2	Dr. Neeta Shah, HOD Management Technology, Shree Ramdeobaba College of Engineering and Management, Nagpur.	Invited Speaker for the Technical Session of National seminar organized by the College.	4 <sup>th</sup> September, 2015



**25. Seminars/ Conferences/Workshops organized and the source of funding**

<b>Conference/ Seminar/ Workshop</b>	<b>Title</b>	<b>Source of Funding</b>	<b>Grant received Rs.</b>
National	National Seminar on “Significance of Languages and Social Science in the Age of Information Technology” jointly organized by Social Science Faculty of Sevalal Mahila Mahavidyalaya, Nagpur and Vishwashanti Multipurpose Society on dated 4 <sup>th</sup> September, 2015.	Registration fees	-
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012”.	UGC	100000
Departmental Workshops/ Seminars.	Food Preservation Workshop 1) 3-5 <sup>th</sup> January, 2011 2) 17-18 & 21 <sup>st</sup> January, 2013 3) 6 <sup>th</sup> , 8 <sup>th</sup> & 9 <sup>th</sup> January, 2015	Institutional	Rs.2,000/- for each workshop

**26. Student profile programme/course wise:**

<b>Name of the Course/ programme</b>	<b>Academic Year</b>	<b>Applications received</b>	<b>Selected (Appeared for Exam.)</b>	<b>Enrolled</b>		<b>College Result</b>			<b>Univ. Result %</b>
				<b>*M</b>	<b>*F</b>	<b>1<sup>st</sup> Class</b>	<b>Pass</b>	<b>Pass %</b>	
<b>B.A.-III</b>	2010-11	44	44	-	44	30	44	100	93.08
	2011-12	29	27	-	29	22	26	96.29	95.30
	2012-13	14	14	-	14	07	13	92.85	94.53
	2013-14	30	30	-	30	19	29	96.66	96.22
	2014-15	24	24	-	24	15	24	100	92.19

\*M = Male \*F = Female

**27. Diversity of Students**

<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>
B.A.	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	1%

30. Details of Infrastructural facilities

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 20, Central Lib. 489 Central Library: 48 Central Library: 4
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facility	Department has well equipped lab.  Micro weave Oven, Food Processor Weighing machine, Toaster, Cooking Utensils

31. Number of students receiving financial assistance from college, university, government or other agencies:

An average 60% students get financial assistance from Government agencies in the form of scholarship and freeships.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

- Guest Lecture on “Women Equality” by Maitrye Kale dated, 26<sup>th</sup> August 2015.

33. Teaching methods adopted to improve student learning -

- Chalk and Blackboard teaching Method.
- Group discussion
- Use of PowerPoint in teaching.
- Class seminar and group discussions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Donations to Orphanage and ‘Dhwaj Nidhi’.
- Educational visit to Sant Gadge Baba Muk Badhir Vidyalyaya, Pipla Nagpur dated 19<sup>th</sup> January, 2013.
- Recreational tour to Chikhaldara in 2012-13.
- Recreational tour was organized Fun and Food Village in 2014-15.
- Students and staff members have actively participated in the Wild Life Week Awareness Programme.

- Awareness Programme- Students of Home Economics Department presented a street play on cleanliness and Dengue on 22<sup>nd</sup> Sept. 2015 at Vidya Nagar Wanjri, under the MOU Signed between Home Economics department of Sevadal Mahila Mahavidyalaya, and Navjeevan Society (NGO) Nagpur.
- Mrs. S. D. Kolarkar has delivered Guest Lecture on “Women Empowerment”, dated 8<sup>th</sup> March 2015.
- Dr. Mrs. P. A.Chinchkede has conducted workshop on “Artificial Flowers making and Zardozi” at Vasantao Naik Govt. Institute of Arts and Social Science Nagpur, dated 5<sup>th</sup> December, 2011 and at Dnyaneshwar Mahavidyalaya, Nagpur dated 1<sup>st</sup> February, 2012.
- Dr. Mrs. P. A. Chinchkede has delivered Guest Lecture on “Self Employment” at Mahila Mahavidyalaya, Nagpur, dated 18<sup>th</sup> January, 2012.

35. SWOC analysis of the department and Future plans

**STRENGTHS:**

- Adequate and well qualified permanent staff.
- Well equipped laboratory.
- Excellent student performance in University Examination.

**WEAKNESS:**

Most of the students have from low socio-economic section of the society.

**OPPORTUNITY:**

- To start skill developing PG Diploma and Certificate Courses.

**CHALLENGES:**

Less number of students admitted.

**FUTURE PLANS:**

- To start Post Graduate Course in Home Economics.
- It has been decided to organize workshop or short term certificate course for students on ceramic work, Food preservation, Bakery training in order to motivate them for self employment.
- Motivate the students to pass the State and National level competition examination.

■■■

1. Name of the Department : **Marathi and Marathi Literature**
2. Year of Establishment : 1998
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1998

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.A.	Annual

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reason:- Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Assistant Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. S. G. Meshram	MA, M.Phil, NET	Assistant Professor	Marathi	12	-
Dr. S. V. Pise	MA, M.Phil, Ph.D, SET	Assistant Professor	Marathi	11	-

11. List of senior visiting faculty:- Nil
12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty: Nil
13. Student -Teacher Ratio (program wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG Marathi	199:1	199:1	197:1	181:1	230:1
Marathi lit.	93:1	71:1	71:1	67:1	72:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	<b>D.Sc.</b>	<b>Ph.D.</b>	<b>M.Phil.</b>	<b>(NET/SET)</b>	<b>M.A.</b>
No. of Permanent Faculty	-	01	01	02*	-

\* Both the faculty members are NET qualified.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Mr.S.G. Meshram	04	02	-	-	-	-	-	-
Dr. S.V. Pise	23	02	-	-	-	-	-	-

b) Books per faculty in

Name of Faculty	No. of Books published with ISSN/ISBN No.	Chapters in Books	Books Edited
Mr.S.G.Meshram	-	“OBC Aarakshanachi Dasha Va Disha” <i>In</i> Aarakshan, Gawali Publication, Wardha, 2015, pp. 90-110, ISBN: 978-93-8162-1-73-8	-
Dr.S.V.Pise	-	“Selzada” <i>In</i> : Vaidarbhiya Marathi Kadambari, Swachhandit Prakashan, Kolhapur, 2015, pp.248-256 ISBN: 978-81-925290-7-3	-

c) Publication per faculty in National/International Conferences/ Seminars

Name of Faculty	No. of papers presented (oral/poster/ proceeding) at Conferences/Seminars		No. of Conferences/ Seminars attended
	International	National	
Mr.S.G.Meshram	01	05	28
Dr.S.V.Pise	01	06	26

20. Areas of consultancy and income generated: Nil

**21. Faculty as members in**

<b>Name of Faculty</b>	<b>International Committee(s)</b>	<b>National Committee(s)</b>	<b>University Committee(s) (MC/BOS/LEC etc.)</b>	<b>Editorial Boards of Journals</b>
Mr.S.G. Meshram	-	-	<ul style="list-style-type: none"> <li>• Member of LECs constituted by RTM Nagpur University, Nagpur.</li> <li>• Member of Special Task Committee, RTM Nagpur University, Nagpur</li> <li>• Member of Documentation Committee for 125<sup>th</sup> Birth Anniversary of Dr. B.R. Ambedkar, RTM Nagpur University, Nagpur.</li> </ul>	-
Dr.S.V.Pise	-	-	Member of LECs constituted by RTM Nagpur University, Nagpur	-

**22. Student projects**

- Percentage of students who have done in-house projects including inter departmental/programme:- Nil
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:- Nil

**23. Awards / Recognitions received by faculty and students:**

Mr. S. G. Meshram has received Mahatma Fule Talent Research National Award, for “A Mission for Humanist Global India” By Mahatma Fule Talent Research Academy, dated 8<sup>th</sup> September, 2013.

**24. List of eminent academicians and scientists / visitors to the Department:**

- Mr. Arvind Mali, Social Activist delivers a Guest Lecture on 3<sup>rd</sup> January, 2015.
- Dr. Shailendra Lende, Associate Professor, HOD, PGTD of Marathi Dept., RTM Nagpur University, Nagpur, dated 4<sup>th</sup> September, 2015.

**25. Seminars/ Conferences/Workshops organized and the source of funding:**

<b>Conference/ Seminar/ Workshop</b>	<b>Title</b>	<b>Source of Funding</b>	<b>Grant received Rs.</b>
National	National Seminar on “Significance of Languages and Social Science in the Age of Information Technology” jointly organized by Social Science Faculty of Sevadal Mahila Mahavidyalaya, Nagpur and Vishwashanti Multipurpose Society on dated 4 <sup>th</sup> September, 2015.	Registration from participants	-
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012”.	UGC Registration from participants	100000

26. Student profile programme/course wise:

Name of the Course/ programme	Academic Year	Applications received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.A.-III (Marathi)</b>	2010-11	87	85	-	85	06	84	98.82	88.03
	2011-12	80	77	-	77	13	76	98.70	89.69
	2012-13	52	51	-	51	11	49	96.07	88.43
	2013-14	90	86	-	86	12	81	94.18	89.00
	2014-15	45	43	-	43	03	39	90.69	74.28
<b>B.A.-III- (Marathi Literature)</b>	2010-11	59	58	-	58	-	46	79.31	73.04
	2011-12	47	42	-	42	-	29	69.04	70.35
	2012-13	33	32	-	32	-	18	56.25	66.69
	2013-14	57	54	-	54	01	30	55.55	69.78
	2014-15	24	23	-	23	-	15	65.21	51.25

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A.	100%	-	-
B.Sc.-I	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? :- Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	3%

30. Details of Infrastructural facilities

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Central Lib. 357 Central Library: -- Central Library: 03
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	-- Wi-fi -- --
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	

31. Number of students receiving financial assistance from college, university, government or other agencies.

An average 60% students get financial assistance from Government agencies in the form of scholarship and freeships.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts.

- Mrs. Apoorva Sonar has performed One Act Play on Sawitribai Fule dated 3<sup>rd</sup> August, 2010.
- Mr. Madhukar Dhandre gave Special Lecture on “Netradan Prabhodhan” dated 7<sup>th</sup> September, 2013
- Dr. Devman Kamdi delivered Guest Lecture on “Kawyatil Striwadi Janiva, dated 4<sup>th</sup> February, 2015.
- Mr. Deepak Rangari, Nagpur has delivered a lecture on “Marathi Bhasha Din” dated 1<sup>st</sup> August, 2015.

33. Teaching methods adopted to improve student learning

- Use of power point in teaching.
- Class seminars & Group discussion.
- Promoted students for getting accustomed to reading material from library and making use of internet.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Mr. S. G. Meshram has delivered 8 Guest Lectures in various colleges and NSS camp.
- Mr. S. G. Meshram is the Co-ordinator of Andhashradha Nirmulan Kendra. Under the Andhashradha Nirmulan programme more than 130 students pledged to donate Eyes posthumously. Under the same programme 32 people have pledged to donate various human organ posthumously.
- Dr. S. V. Pise has coordinated in the Artificial Nest for Birds Projects.
- Dr. S.V. Pise has worked as a Co-ordinator in Gandhi Vichar Pariksha conducted by Gandhi Research Foundation, Jalgaon.
- Mr. Sushil Meshram has delivered Guest Lectures at Indira Gandhi Arts and Commerce College Kalmeshwar, Nagpur Dated 4<sup>th</sup> January, 2013; Shriniketan Arts and commerce College Nagpur; Tirpude Collage of Social Work on the topic “Bhastrachar Nirmulanat yuvakanchi Bhumika,” dated 16<sup>th</sup> December, 2013; Neharu Vidyalaya and Junior College, Hingna, dated 9<sup>th</sup> October, 2015.
- Mr. Sushil Meshram was invited as a Guest Speaker on the occasion of Dr. Ambedkar Birth Anniversary Programme.
  - Kamgar Kalyan Kendra, Raghujai Nagar, Nagpur dated 14<sup>th</sup> April 2015
  - Samyak Buddha Vihar, Wadi, Nagpur dated 14<sup>th</sup> April 2015



- Mohata Science College Nagpur, dated 15<sup>th</sup> April 2015
  - Mr.Sushil Meshram was invited as a Guest Speaker on the occasion of Dhamma Chakra Pravartan Din and Rashtrasant Tukdoji Maharaj Death Anniversary on the topic “Manavtawadi Bharatiya Sant Parampara,” dated 18<sup>th</sup> Aug 2014 organised by Amar Public library, Nagpur.
  - Mr.Sushil Meshram was invited as a Guest Speaker by Triratna Buddha Seva Sangha, Amar Nager Nagpur topic on “superstition and scientific Approach,” dated 7<sup>th</sup> October, 2015.
  - Mr. Kishor Rithe, Satpuda Foundation, Amravati has delivered lecture on “Effect of Climate Change on Biodiversity” dated 17<sup>th</sup> October, 2015. Function was organized by Dr. S. V. Pise under the MoU signed with Stapuda Foundation, Amravati.
  - Mr.Sushil Meshram has delivered a Guest lecture on “Indian Consntitution,” “Dr. Ambedakar and Humanity” dated 26<sup>th</sup> November, 2015 and 6th December, 2015, respectively.
  - Mr.Sushil Meshram has invited for inaugural function of Natioanl Science Exhibition dated 27<sup>th</sup> November, 2015.
  - Organization of two days Youth Conference under the MoU signed with Maharashtra Andhashradha Nirmulan Samiti, Nagpur dated 31<sup>st</sup> October, to 1<sup>st</sup> November, 2015.
35. SWOC analysis of the department and Future plans
- STRENGTHS:**
- Adequate and well qualified departmental teaching staff.
  - Excellent department result.
  - Student large support to department.
- WEAKNESSES:**
- No provision of PG courses.
- OPPORTUNITIES:**
- To start PG course
  - Job opportunities in various government sectors and private sectors of society.
- CHALLENGES:**
- No quality students admitted.
- FUTURE PLANS:**
- To start PG course.
  - Arrange International National seminars on various current issues.
  - Visit of student for practical knowledge of language problems in society.

■■■

1. Name of the Department : **Music**
2. Year of Establishment : 1998
3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1998

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.A.	Annual

6. Participation of the department in the courses offered by other departments:

- Dr. Shubhada Mandavgade has participated as Senior Visiting Faculty in the Department of Master of Fine Arts, PGTD Campus, RTM Nagpur University, Nagpur.
- Dr. Shubhada Mandavgade is University Recognized Ph.D. Supervisor associated with Department of Music, PGTD, RTM Nagpur University, Nagpur. Four students are pursuing Ph.D. programme under her Supervision. Two students namely Mr. Manoj Gurav and Mr. Bhavik Maniyar have submitted their Ph.D. Thesis in RTM Nagpur University, Nagpur.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.-Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	03	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. (Mrs.) S.S. Mandavgade	M.A. NET. Ph.D.	Assistant Professors	Music	15	-
Mr. N.A. Khandekar	M.A. NET.	Assistant Professors	Music	11	-
Mr. T.S. Madankar	M.A. NET.	Assistant Professors	Music	06	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15
UG	18:1	18:1	20:1	21:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	D.Sc.	Ph.D.	M.Phil.	M.A. (NET)	M.A.
No. of Permanent Faculty		01	-	03*	-

\* All the faculty members are NET qualified.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major / Minor Projects (Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grants received
Dr. (Mrs.) S.S. Mandavgade	Minor/ Completed	Shastriya Sangitachya Anushangane Sant Meerabaiyan chya Padancha Abhyas	UGC	92500
Mr. N.A. Khandekar	Minor/ Completed	20Vee Shatabdi Ke Purvardha Se Vaidnyanik Upkaranoka Prayog Avam Kalakaro Par Iska Prayog	UGC	62500
Mr. N.A. Khandekar	Minor/ Sanctioned	Sant Kabir Yanchya Dohya-dware Sangitacha Prachar Va Prasar	UGC Amount Rs.160000	-
Mrs. T.S. Madankar	Minor/ Sanctioned	Sangit Chikitsa Padhatiti Vadya Sangitacha Adhik Prabhav Ek Adhyayan.	UGC Amount Rs.230000	-

18. Research Work recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Dr.(Mrs.)S.S Mandavgade	-	02	-	-	-	-	-	-
Mr. N.A. Khandekar	-	01	-	-	-	-	-	-
Mr. T.S. Madankar	01	02	-	-	-	-	-	-

b) Books per faculty: Nil

c) Publication per faculty in National/International Conferences/Seminars

Name of Faculty	No. of papers presented (oral/poster/proceeding) at Conferences/Seminars		No. of Conferences/Seminars attended
	International	National	
Dr.(Mrs.)S.S Mandavgade	03	17	24
Mr. N.A. Khandekar	01	05	15
Mr. T.S. Madankar	02	10	18

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

Name of Faculty	International Committee(s)	National Committee(s)	University Committee(s) (MC/BOS/LEC etc.)	Editorial Boards of Journals
Dr.(Mrs.)S.S Mandavgade			<ul style="list-style-type: none"> <li>Chairperson, Board of Studies in Music, RTM Nagpur University, Nagpur.</li> <li>Chairperson, LEC's, RTM Nagpur University, Nagpur.</li> <li>Chairperson, Syllabus Framing Committee for Music, RTM Nagpur University, Nagpur.</li> <li>Member, Cultural Board, RTM Nagpur University, Nagpur.</li> <li>Member of Research Review Committee for Music, RTM Nagpur University, Nagpur.</li> <li>Member of University Constitute Selection and Placement Committees, RTM Nagpur University, Nagpur.</li> <li>Member, Board of Studies in Music, Gondwana University, Gadchiroli.</li> </ul>	
Mr. T.S. Madankar			Work as a Officer In-charge of University Examination 2013-14	

22. Student projects:

- Percentage of students who have done in-house projects including inter departmental/programme - Nil
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies - Nil

23. Awards / Recognitions received by faculty and students:

- Dr. S. S. Mandavgade has awarded Ph.D. Degree in Music by RTM Nagpur University, Nagpur, dated 3<sup>rd</sup> March, 2011,
- Ku. Khushabu Gedam has conferred Third Rank in Inter-University Geet Gayan Competition organized by Department of Music, PGTD, Music, R.T.M. Nagpur University, Nagpur, dated 7<sup>th</sup> January, 2015
- Ku. Priyanka Dhande has conferred Rotating Shield in Geet Gayan organized by Dhanwate National College, Nagpur, dated Jan. 2015
- Ku. Nasarin Sheikh has received First Consolation Prize in Light Music Competition organized by LAD College, Nagpur 9<sup>th</sup> October 2015

**24. List of eminent academicians and scientists / visitors to the Department**

S.N.	Name of Academician/ Scientist visited	Purpose	Date
1	Dr. Sunita Bhale Associate Prof. Indira Kala Vishva Sangeet University, Khairagardh (C.G.)	Invited Speaker in the Technical Session of National Seminar	4 <sup>th</sup> Sept. 2015
2	Dr. Snehasish Das, HOD- Music, Mahila Mahavidyalaya, Amravati	Chief Guest for the Inaugural Function of the National Seminar.	4 <sup>th</sup> Sept. 2015

**25. Seminars/ Conferences/Workshops organized and the source of funding**

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
National	National Seminar on “Significance of Languages and Social Science in the Age of Information Technology” jointly organized by Social Science Faculty of Sevadal Mahila Mahavidyalaya, Nagpur and Vishwashanti Multipurpose Society on dated 4 <sup>th</sup> September, 2015.	Registration from participants	--
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012”.	UGC Registration from participants	100000.00

**26. Student profile programme/course wise:**

Name of the Course/ programme	Academic Year	Applica tions receive d	Selected (Appear ed for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
B.A.-III	2010-11	13	13	-	13	00	08	61.53	81.02
	2011-12	15	15	-	15	07	12	92.30	88.94
	2012-13	10	10	-	10	07	10	100	94.26
	2013-14	17	17	-	17	10	17	100	92.49
	2014-15	09	09	-	09	00	07	77.77	90.7

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A.	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? - Nil

## 29. Student progression

Student progression	Against % enrolled
UG to PG	2

## 30. Details of Infrastructural facilities

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 119 Central Lib. 111 - Central Library: 01
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	Music Laboratory – 02 and HOD Room  Tanpura, Tabla, Harmonium, Casio CTK 4000, Tanpura Elect. Tabla Elect., Miracas, Daffli, Instrumental Rack

## 31. Number of students receiving financial assistance from college, university, government or other agencies

An average 60% students get financial assistance from Government agencies in the form of scholarship and freeships.

## 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:-

- Dr. Dhanashree Pande, Assistant Professor, Department of Music, RDG College, Akola, delivered Guest Lecture on “Maharashtratil Loksangit – Bharud Va Kirtan Samaj Prabodhanache Sadhan,” dated 10<sup>th</sup> December, 2011
- Prof. Pramod Rewatkar, Asst Prof. Dept. of Music, FES Girls College, Chandrapur on “Rag That Siddhant,” dated 13<sup>th</sup> October, 2012.
- Dr. Asmita Nanoti, Asst. Prof. Dept. of Music, Ashok Moharkar College, Adyal on “Rag Ras Rachneche Samyanusar Vargikaran,” dated 21<sup>st</sup> December, 2013.
- Dr. Sujata Vyas Asso. Prof. Dept. Music, VNGIASS, Nagpur delivered a Guest Lecture on “Sangeet Va Vyavsayikta,” dated 20<sup>th</sup> January, 2015.
- Dr. Bhojaraj Choudhari, HOD Music, Vidharbha Mahavidyalaya, Amravati, delivered Guest Lecture on the occasion of Inauguration of new Music laboratory in Department dated 7<sup>th</sup> July 2015.

33. Teaching methods adopted to improve student learning:-

- Chalk and Blackboard teaching Method.
- Group discussion
- Use of PowerPoint in teaching.
- Class seminar and group discussions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Donations to Orphanage and 'Dhwaj Nidhi'.
- Educational visit to Sant Gadge Baba Muk Badhir Vidyalaya, Pipla Nagpur dated 19<sup>th</sup> January, 2013.
- Recreational tour to Chikhaldara in 2012-13.
- Recreational tour was organized Fun and Food Village in 2014-15.
- Students and staff members have actively participated in the Wild Life Week Awareness Programme.
- Active faculty members have actively participated in the Blood Donation Camp organized by the Sevalal Education Society in association with Lions Club Nagpur South, Nagpur.
- Music Department of Sevalal Mahila Mahavidyalaya has signed MoU with Varhadpande and Chandrashekhar Joshi Sangeet Abyas Kendra, Nagpur to organize activities for the students.

**Co-Curricular Activity/Extension Activity:-**

- Staff members and students of Music Department has given their contribution in Convocation programme, Founder's Day Programme; Teachers' Day Function organized by the RTM Nagpur University, Nagpur.
- Staff members and students have given their contribution in the form of Vocal Music in number of functions viz. National Youth Festival organized by RTM Nagpur University, Nagpur; functions organized by University Library and other Post Graduate Teaching Departments of RTM Nagpur University, Nagpur
- Staff members and students of Music Department have prepared CD of Vocal Recital of Vidyapeeth Geeth on the request of Management Council of RTM Nagpur University, Nagpur.
- Dr. Smt. S. S. Mandavgade as worked as Judge/Jury in number of Music competitions organized by RTM Nagpur University, Nagpur and other various colleges of Nagpur city.
- Dr. Smt. S. S. Mandavgade was the Member of Organizing Committee in 27<sup>th</sup> Inter-University National Youth Festival organized by RTM Nagpur University, Nagpur.
- Mr. N. A. Khandekar is the Programme Officer of NSS, Sevalal Mahila Mahavidyalaya, Nagpur and has participated in number of NSS programmes organized at University and college level.

35. **SWOC** analysis of the department and Future plans

**STRENGTHS:**

- Adequate and well qualified departmental teaching staff.
- Well equipped laboratories.
- Excellent Departmental Result.
- Consistent improvement of the student performance in the university examinations.
- Increase in the number of the students going for Post Graduate.

**WEAKNESSES:**

- No Provision of PG Course.
- Maximum students belong to very low income group.

**OPPORTUNITIES:**

- PG Course can be started.
- To start Certificate Course.
- Students can run hobby classes.
- The concept of 'women empowerment could be implemented through organizing the awareness programmes as well as providing educational facilities to the students.

**CHALLENGES:**

- Less Number of students admitted.
- No quality students.

**FUTURE PLANS:**

- To start PG Course.
- To start a Degree Course of ABGM, Miraj.
- To organize International Conference.

■■■



1. Name of the Department : **Political Science**
2. Year of Establishment : 1998
3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1998

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.A.	Annual

6. Participation of the department in the courses offered by other departments. : Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms. R. M. Dhandekar	M.A. B.Ed SET, NET	Assistant Professor	Political Science	10	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty. : Nil
13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	123:1	120:1	116:1	134:1	153:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil
15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	D.Sc.	Ph.D.	M.Phil.	NET/SET	M.Sc.
No. of Permanent Faculty	-	-	-	01	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil

**19. Publications:**

**a) Publication per faculty in Peer Reviewed National/International Journals**

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Ms. R. M. Dhandekar	09	07	-	-	-	-	-	-

**b) Books per faculty**

Name of Faculty	No. of Books published with ISSN No.	Chapters in Books	Books Edited
Ms.R.M.Dhandekar		‘Sansadiya Lokshahicha Rhaas’ In. Bhartiya Lokshahi Pudhil Aavhane’ ‘Sansadiya, Nabha Prakashan, Amrawati, 2010, ISBN-978-81-905776-52-2	

**c) Publication per faculty in National/International Conferences/Seminars**

Name of Faculty	No. of papers presented (oral/poster/ proceeding) at Conferences/Seminars		No. of Conferences/ Seminars attended
	International	National	
Ms. R. M. Dhandekar	01	03	22

20. Areas of consultancy and income generated: Nil

21. Faculty as members in: Nil

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme: Nil
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students:

- Ms. Reeta Dhandekar nominated for “Shiksha Rattan Puraskar” from India International Friendship Society, New Delhi in 2013.
- Ms. Neha Bobade, student of B.A.-III has secured Third Merit position at Vidarbha Level in Gandhi Vichar Pariksha organized by Gandhi Research Foundation, Jalgaon (MS)
- Ms. Rakhi Narule student of B.A.-III received third Prize in Inter Collegiate Indian Constitution Examination in 2014-2015.

24. List of eminent academicians and scientists/visitors to the Department.

S.N.	Name of Academician/Scientist visited	Purpose	Date
1	Mrs Madhuri Godse, Rtd. Assistant Commissioner of Police, Nagpur.	Chief Guest of Inauguration of Workshop	18/12/2010
2	Dr. Mohan Kashikar, Professor & Head, PGTD of Political Science, RTM Nagpur University Nagpur.	Inauguration of Workshop	18/12/2010
3	Dr. Gouri Chandrayan, President, National Women Consumer Forum, Nagpur.	Workshop on Human Rights Awareness	19/12/2010

4	Dr. Prajakta Tanksale, Associate Professor, Matruseva Sangh Institute of Social Work, Nagpur.	Workshop on Human Rights Awareness	20/12/2010
5	Dr. Varsha Deshpande, Assistant Professor, Dpt. of Law, Dr. B. R. Ambedkar College, Nagpur.	Workshop on Human Rights Awareness	20/12/2010
6	Dr. Manisha Kothekar, Professor, Dpt of Phisiology, Shri Aayurved Mahavidyalaya, Nagpur.	Workshop on Human Rights Awareness	23/12/2010
7	Adv. Rekha Barahate, leading Practicing lawyer and Women's Rights Activist.	Workshop on Human Rights Awareness	24/12/2010
8	Dr. Shrikant Komawar, Associate Professor, PGTD of Law, RTM Nagpur University, Nagpur.	Workshop on Human Rights Awareness	24/12/2010
9	Dr. Madhukarrao Nisal, Retd. Principal, Govt. Veterinary College, Nagpur.	Chief Guest of Valedictory function of the Workshop	24/12/2010
10	Prof. Yashawant Sumant, Head, Dept. of Political Science, Savitribai Phule Pune University, Pune.	Special Lecture on Gandhian Thought.	22/01/2014

**25. Seminars/ Conferences/Workshops organized and the source of funding**

<b>Conference/ Seminar/ Workshop</b>	<b>Title</b>	<b>Source of Funding</b>	<b>Grant received Rs.</b>
National	National Seminar on "Significance of Languages and Social Science in the Age of Information Technology" jointly organized by Social Science Faculty of Sevadal Mahila Mahavidyalaya, Nagpur and Vishwashanti Multipurpose Society on dated 4 <sup>th</sup> September, 2015.	Registration from participants	-
International	Joint organization of International Conference by Science and Home Science Faculties: "Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012".	UGC Registration from participants	100000
Departmental Workshops/ Seminars.	1) UGC sponsored Seven Days Intercollegiate Workshop on "Human Rights Awareness" 18/12/2010 to 24/12/2010	UGC	1,35,000
	2) UGC Sponsored Three Days Intercollegiate Workshop on 'Tarunya Bhaan- Jeevan Shikshan Karyakram'. (07/09/2012- 09/09/2012)	UGC	3,00,000
	3) Workshop on Communication Skills on 07/01/12.	Institution	1000
	4) Two Workshop on Gender Sensitization	Institution	1000

**26. Student profile programme/course wise:**

Name of the Course/ programme	Academic Year	Applications Received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.A.-III</b>	2010-11	34	33	-	33	00	23	69.69	64.09
	2011-12	25	24	-	24	01	22	91.66	73.27
	2012-13	22	21	-	21	02	14	66.66	70.84
	2013-14	43	43	-	43	01	35	81.39	67.72
	2014-15	23	21	-	21	02	16	76.19	61.57

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A.	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? Nil

**29. Student progression**

Student Progression	Against % enrolled
UG to PG	4

**30. Details of Infrastructural facilities**

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 229 Central Lib. 69 Central Library: 158 Central Library: 02
2	Internet facilities for Staff and Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	- -

31. Number of students receiving financial assistance from college, university, government or other agencies

An average 60% students get financial assistance from Government agencies in the form of scholarship and freeships.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

- Department has organized UGC sponsored Intercollegiate Seven Days Workshop on Human Rights Awareness from 18-24<sup>th</sup> December, 2010. The details of the Workshop is as follows:-
  - Mrs. Madhuri Godse, Assistant Police Commissioner, Nagpur was the Chief Guest for the Inaugural Function.
  - Dr. Mohan Kashikar, Professor & Head, PGTD of Political Science, RTM Nagpur University Nagpur delivered "Key Note Address on Human Rights"

- Dr. Alka Deshmukh, Reader and Head, Department of Political Science, S. B. City College, Nagpur delivered Guest Lecture on “Introduction to Human Rights”
- Adv. Dipti Dawda delivered Guest Lecture on “Human Rights: Origin & Development”
- Dr. Kishor Mahabal, Reader, PGTD of Political Science, RTM Nagpur University Nagpur delivered Guest Lecture on “Human Rights Awareness.”
- Dr. Gouri Chandrayan, President, National Women Consumer Forum, Nagpur on “Consumer Rights.”
- Dr. Varsha Deshpande, Assistant Professor, Dept. of Law, Dr. B.R. Ambedkar College, Nagpur on “Indian Constitution and Fundamental Rights”
- Dr. Prajakta Tanksale, Associate Professor, Matru-Seva Sangh Institute of Social Work, Nagpur on “Child Rights”
- Adv. Mukta Fadanaais, Advocate Nagpur on “Right to Inheritance.”
- Prof. Ragini Khubalkar, Asst. Professor, Department of Law, Late Govindrao Wanjai College of Law, Nagpur on, “Right to Divorce and Maintenance”
- Dr. Pravin Bhagdikar, Asst. Professor, Dept. of Political Science, Annasaheb Gundewar College, Nagpur “Right to Minorities”
- Adv. Harshal Bobde, Advocate, Nagpur on “Right to the Prisoners”
- Dr. Manisha Kothekar, Professor, Dpt of Physiology, Shri Aayurved Mahavidyalaya, Nagpur on “Right to Health”
- Dr. Pravin Charde, Principal, Sevadal Mahila Mahavidyalaya, Nagpur on “Duties Education”
- Dr. Sandeep Tundurwar, Asst Professor, Dpt. of Political Science, S. B. City College, Nagpur on “Right to Tribals”
- Dr. Shrikant Komawar, Associate Professor, PGTD of Law, RTM Nagpur University, Nagpur, on “Right to Information”
- Adv. Rekha Barahate, Leading Practitioner and Women’s Rights Activist on “Protection of Human Rights”
- Department has conducted Indian Constitution Examination organized by Rajyashastra Adhyayan Kendra, Nagpur on dated 14<sup>th</sup> January, 2011; 10<sup>th</sup> January, 2012; 2<sup>nd</sup> December, 2013 and 5<sup>th</sup> January, 2015
- Department has organized a workshop conducted by Mr. Amit Gokhale on “Communication Skills,” on 7<sup>th</sup> January, 2012.
- Department has conducted the student seminar on “Inter Religious Cooperation for National Integrity on dated 8<sup>th</sup> December, 2011.
- Special Lecture of Shri Gev Babu Aawari, Ex. Member of Parliament was organized on 11<sup>th</sup> August, 2012.
- Department has organized UGC sponsored Three Days Intercollegiate Workshop on “‘Tarunya Bhaan: Ek Jeevan Shikshan Karyakram,’ dated 7-9<sup>th</sup> September, 2012. The Team of Three Members from SEARCH, Gadchiroli, consisting of Shri Dnyaneshwar Patil,

Shri.Rajendra Isasare, and Mrs.Sunanda Khorgade conducted the Workshop. The following topics were discussed in the technical sessions.

- “Physical and Hormonal changes in Adolescent, Human Reproduction System, Menstrual Cycle”
- “Pregnancy and its Stages”
- Orientation of the students on “Dangerous diseases like Cancer, Aids, Family Planning
- Special Lecture of Ms. Quian Xyiaoling, Shanghai, China on “Socio-Political System of China” was organized, dated 2<sup>nd</sup> December, 2013.
- Department has organized Gender Sensitization Workshop by Mrs. Maitreyi Kale, dated 28<sup>th</sup> January, 2014 and 24<sup>th</sup> December, 2014.
- Mr. Kasta Dip, Director, India Peace Centre, has delivered guest lecture on “Secularism” dated 14<sup>th</sup> October, 2015.
- Participation of students in the workshop on “Human Rights” organized by India Peace Centre, dated 10<sup>th</sup> December, 2015.

33. Teaching methods adopted to improve student learning:

1. Chalk and Blackboard teaching Method.
2. Group discussion
3. Use of PowerPoint in teaching.
4. Class seminar and group discussions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Donations to Orphanage and ‘Dhwaj Nidhi’.
- Educational visit to Sant Gadge Baba Muk Badhir Vidyalaya, Pipla Nagpur dated 19<sup>th</sup> January, 2013.
- Recreational tour to Chikhaldara in 2012-13.
- Recreational tour was organized Fun and Food Village in 2014-15.
- Students and staff members have actively participated in the Wild Life Week Awareness Programme.
- Active faculty members have actively participated in the Blood Donation Camp organized by the Sevalal Education Society in association with Lions Club Nagpur South, Nagpur.
- Department has signed MoU with India Peace Centre, Nagpur to organize community oriented activities for the students.
- Department has signed MoU with Rajyashastra Adhyayan Kendra to organize student oriented programmes.
- Miss. R. M. Dhandekar conducted the inaugural session of stae level Yuwa Sankalp Parishad organized by Andhashradha Nirmulan Samiti and NSS RTMNU, Nagpur, dated 31<sup>st</sup> October, 2015.
- Miss. R. M. Dhandekar has delivered guest lecture on “Rashtriya Seva Yojnetun Sawardhit Honari Naitik Mulye” dated 19<sup>th</sup> December, 2015.

35. SWOC analysis of the department and Future plans

**STRENGTHS:**

- Well Qualified Permanent Teaching Faculty.
- Consistent improvement of student's performance in the University Exams.
- Regular conduct of the workshops and guest lectures on various topics.
- Rise in the number of the students going for Post Graduation.

**WEAKNESSES:**

- Lack of adequate infrastructure in the form of furniture.
- Maximum Students belongs to very low income group so mostly depend upon the college facilities.

**OPPORTUNITIES:**

- Multiple career opportunities for the students with their graduation in Political Science as their subject, viz. Competitive exams, journalism and media, social work and teaching and research.
- The concept of 'Women Empowerment' could be implemented through organizing the awareness programmes as well as providing educational facilities to the students.

**CHALLENGES:**

- To maintain the students strength and their interest in Social Science subject in the age of science and technology.
- To inculcate the values and to meet the diverse abilities and need of the students.
- Developing practical based modules.

**FUTURE PLANS:**

- To organize Social awareness oriented programmes like Gender Sensitization workshop, Guest lectures etc.
- To arrange a excursion cum study tour to SEARCH, Gadchiroli.

■■■

1. Name of the Department : **Sociology**
2. Year of Establishment : 1998
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	1998

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.A.	Annual

6. Participation of the department in the courses offered by other departments:

- Mr. J. K. Pendse has Supervised M.Phil. Dissertations of three students of Bharatidasan University Khajmalai, Tiruchirappalli.
- Mr. J. K. Pendse has Supervised MSW Dissertations of eight students of Dr. Ambedkar Institute of Social Work, Bhagwan Nagar, Nagpur.
- Mr. J. K. Pendse has Supervised MSW Dissertations of Three students of Aniket College of Social Work, Wardha

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil.etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. J.K. Pendse	M.A, M.Phil., NET	Assistant Professor	Sociology	11	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty - Nil
13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	225:1	164:1	182:1	170:1	195:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil



**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.**

	<b>D.Sc.</b>	<b>Ph.D.</b>	<b>M.Phil.</b>	<b>M.A. (NET/SET)</b>	<b>M.A.</b>
No. of Permanent Faculty			01	01*	01

\* Faculty Member is SET qualified.

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil**

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

<b>Name of the Faculty</b>	<b>Major / Minor Projects (Status: Completed/ Ongoing)</b>	<b>Title of the Project</b>	<b>Funding Agency</b>	<b>Grants received</b>
Mr.J.K.Pendse	Minor/ Completed	Asanghatit Kamgaranchya Samajik Samsyanche Samajshstriya Adhyayan	UGC	82,000/-

**18. Research Centre /facility recognized by the University: Nil**

**19. Publications:**

a) Publication per faculty in Peer Reviewed National/International Journals

<b>Name of Faculty</b>	<b>No. of Papers published in Journal</b>		<b>No. of publication listed in International Database (Scopes)</b>	<b>Citation Index</b>	<b>Impact Factor</b>	<b>SNIP</b>	<b>SJR</b>	<b>H Index</b>
	<b>National</b>	<b>Inter-national</b>						
Mr.J.K. Pendse	14	01	-	-	-	-	-	-

b) Books per faculty: Nil

c) Publication per faculty in National/International Conferences/Seminars

<b>Name of Faculty</b>	<b>No. of papers presented (oral/poster/ proceeding) at Conferences/Seminars</b>		<b>No. of Conferences/ Seminars attended</b>
	<b>International</b>	<b>National &amp; State</b>	
Mr. J. K. Pendse	01	04	36

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

<b>Name of Faculty</b>	<b>International Committee(s)</b>	<b>National Committee(s)</b>	<b>University Committee(s) (MC/BOS/LEC etc.)</b>	<b>Editorial Boards of Journals</b>
Mr. J. K. Pendse	-	-	Member of University Constituted Selection Committee	1. Associate editor of a half yearly peer review National Research Journal of Humanities Social Issues and Problems. 2. Co-Editor of Journal of Biological & Physical Sciences Volume-IV.

**22. Student projects**

a) Percentage of students who have done in-house projects including inter departmental/program: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students:--Nil

24. List of eminent academicians and scientists / visitors to the Department

S.N.	Name of Academician/Scientist visited	Purpose	Year
1	Dr. Jagan Karade, Dept. of Sociology, Shivaji University, Kolhapur	National Seminar	25 Feb. 2010
2	Dr. R. N. Salve, Head Dept. of Sociology, Shivaji University, Kolhapur	National Seminar	25 Feb. 2010
3	Dr. Subhash Toshniwal, Head Dept. of Sociology, Dharampeth Arts & Comm. College, Nagpur	National Seminar	25 Feb. 2010
4	Dr. Anand Teltumbde, Economist, Mumbai.	National Seminar	25 Feb. 2010
5	Dr. Shriniwas Khandewale, Economist, Nagpur	National Seminar	25 Feb. 2010
6	Dr. Rahul Bhagat, Head Dept. of Sociology, S.N. Mor, Tumsar, Dist-Bhandara	National Seminar	25 Feb. 2010
7	Prof. Jaimini Kadu, Social Thinker, Mathuradas Mohta Science College, Nagpur.	National Seminar	25 Feb. 2010
8	Dr. Pradeep Aglave, Head Dept. of Ambedkar thought, RTM Nagpur University, Nagpur.	National Seminar	25 Feb. 2010
9	Mr. Baba Daware, Social Activist, Nagpur.	National Seminar	25 Feb. 2010
10	Dr. Jagan Karade, Dept. of Sociology, Shivaji University, Kolhapur	National Seminar	04 Sept. 2015
11	Dr. Rahul Bhagat, Head Dept. of Sociology, S.N. Mor, Tumsar, Dist-Bhandara	National Seminar	04 Sept. 2015
12	Dr. Pradeep Aglave, Head Dept. of Ambedkar thought, RTM Nagpur University, Nagpur.	National Seminar	04 Sept. 2015

25. Seminars/ Conferences/Workshops organized and the source of funding

Conference/ Seminar/ Workshop	Title	Source of Funding	Grant received Rs.
National	National Seminar on “Significance of Languages and Social Science in the Age of Information Technology” jointly organized by Social Science Faculty of Sevadal Mahila Mahavidyalaya, Nagpur and Vishwashanti Multipurpose Society on dated 4 <sup>th</sup> September, 2015.	Registration from participants	--
International	Joint organization of International Conference by Science and Home Science Faculties: “Second World Congress for Man & Nature-2012. Global Change: Impact on Biodiversity, Culture and Technology on dated 3-5 November, 2012”.	UGC Registration from participants	100000

**26. Student profile programme/course wise:**

Name of the Course/ programme	Academic Year	Applications received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.A.-III</b>	2010-11	66	65	-	65	03	61	90.90	85.04
	2011-12	53	51	-	51	03	46	90.19	76.58
	2012-13	36	35	-	35	05	28	80.00	78.20
	2013-14	67	63	-	63	05	52	82.53	84.75
	2014-15	39	37	-	37	03	35	94.69	76.08

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A.	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

**29. Student progression**

Student progression	Against % enrolled
UG to PG	4

**30. Details of Infrastructural facilities**

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 98 Central Lib. 198 Central Library: 78 Central Library: 01
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	01 Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	- -

31. Number of students receiving financial assistance from college, university, government or other agencies

An average 60% students get financial assistance from Government agencies in the form of scholarship and freeships.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

- Dr. Deepak Pawar, Womens College of Art and Commerce, Nagpur
- “Population Problem and Indian Society”, dated 12<sup>th</sup> July, 2010
- Dr. Ashok Borkar, Department of Sociology, PGTD, RTM Nagpur University, Nagpur on “Human Rights & Indian Tribes”, dated 19<sup>th</sup> August, 2011

- Dr. Bhau Daydar, Dept. of Sociology, VNGISS, Nagpur on “Indian Tribes and Reality” dated 25<sup>th</sup> December, 2012
  - Prof. Sachin Hunge, Tirpude College of Social Work, Nagpur on “Population Problems in India”, dated 11<sup>th</sup> July, 2015.
33. Teaching methods adopted to improve student learning
- Chalk and Blackboard teaching Method.
  - Group discussion
  - Use of PowerPoint in teaching
  - Class seminar and group discussions.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Donations to Orphanage and ‘Dhwaj Nidhi’.
  - Educational visit to Sant Gadge Baba Muk Badhir Vidyalyaya, Pipla Nagpur dated 19<sup>th</sup> January, 2013.
  - Recreational tour to Chikhaldara in 2012-13.
  - Recreational tour was organized Fun and Food Village in 2014-15.
  - Students and staff members have actively participated in the Wild Life Week Awareness Programme.
  - Active faculty members have actively participated in the Blood Donation Camp organized by the Sevalal Education Society in association with Lions Club Nagpur South, Nagpur.
  - Mr. J. K. Pendse has delivered following Guest Lectures/Invited Talks/Chief Guest:
    - On “Caste Discrimination” at Dayanand Arya Kanya Mahavidyalaya, Jaripatka, Nagpur, dated 7<sup>th</sup> September, 2011
    - On “World Population Day” at Tirpude College of Social Work, Nagpur, dated 11<sup>th</sup> July, 2012
    - On “Population Problems and Indian Society” at Shriniketan Arts and Commerce College, Nagpur, dated 11<sup>th</sup> July 2013.
    - On “Environmental studies” organized by Dayanand Arya Kanya Mahavidhyalaya, Jaripatka, Nagpur, dated-12 Sept.2013.
    - On “Importance of Sociology” organized by Yashoda Girls College, Nagpur, dated-10 Oct.2014.
    - Chief Guest for “Dr. B. R. Ambedkar Mahaparinirwan Diwas” organized by G. S. College of Commerce and Economics, Nagpur, dated 06 Dec.2014.
    - On “Importance of Sociology” organized by Department of Sociology, Womens College of Arts and Commerce, Nandanwan, Nagpur, dated 12<sup>th</sup> December, 2014
    - On “India’s Rural Development” at G.S. College of Commerce and Economics, Nagpur, dated 16<sup>th</sup> February, 2015.
    - On ‘Social Thoughts of Dr. Ambedkar” at Sevalal Mahila Mahavidyalaya, Nagpur, dated 16<sup>th</sup> April, 2015.
    - Andhashradha Nirmulan Diwas organized by Sevalal Mahila Mahavidyalaya, Nagpur, dated 21<sup>st</sup> September, 2015.

35. SWOC analysis of the department and Future plans

**STRENGTHS:**

- Adequate and well qualified departmental teaching staff.
- Excellent department result.
- Students large support to department.

**WEAKNESSES:**

- No provision of PG courses.

**OPPORTUNITIES:**

- PG course.
- Job opportunities in various government sectors and private sectors of society.

**CHALLENGES:**

- No quality students admitted.

**FUTURE PLANS:**

- To start PG course.
- Organise International National seminars on various current issues.
- Visit of students for practical knowledge of social problems in society.

■■■

1. Name of the Department : **Economics**
2. Year of Establishment : 2006
3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	2006

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.A.	Annual

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	-	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms. M. G. Korde	M.A. M.Phil.	Contributory Lecturer (From 2010 to 2012)	Economics	02	-
Mrs. A. S. Kawale	M.A. M.Phil.	Contributory Lecturer (From 2013 till date)	Economics	02	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty  
UG : 100%
13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	70:1	22:1	13:1	02:1	22:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	<b>D.Sc.</b>	<b>Ph.D.</b>	<b>M.Phil.</b>	<b>M.A. (NET)</b>	<b>M.A.</b>
No. of Temporary Faculty	-	-	01	-	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals: Nil

b) Books per faculty in: Nil

c) Publication per faculty in National/International Conferences/ Seminars: Nil

20. Areas of consultancy and income generated: Nil

21. Faculty as members in: Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/visitors to the Department: Nil

25. Seminars/Conferences/Workshops organized and the source of funding: Nil

26. Student profile programme/course wise:

Name of the Course/ programme	Academic Year	Applications received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				* M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.A.-III</b>	2010-11	16	15	-	15	01	14	100	81.02
	2011-12	25	25	-	25	01	11	48	72.99
	2012-13	13	13	-	13	02	11	84.61	81.36
	2013-14	11	09	-	09	01	08	88.88	89.50
	2014-15	02	02	-	02	00	02	100	-

\*M = Male \*F = Female

27. Diversity of Students: Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

29. Student progression

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	-

## 30. Details of Infrastructural facilities:

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. Central Lib. 36 - -
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	- -

## 31. Number of students receiving financial assistance from college, university, government or other agencies

An average 60% students get financial assistance from Government agencies in the form of scholarship and freeships.

## 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:-

## 33. Teaching methods adopted to improve student learning:-

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

## 35. SWOC analysis of the department and Future plans

■■■



1. Name of the Department : **Geography**
2. Year of Establishment : 2007
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	2007

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.A.	Annual

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	-	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. K. S. Maind	M.A. M.Phil.	Contributory Lecturer	Agricultural Geography	10	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty  
UG : 100%

13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15
UG	24:1	9:1	6:1	1:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil
15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	D.Sc.	Ph.D.	M.Phil.	M.A. (NET)	M.A.
No. of Temporary Faculty	-	-	01	-	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc.  
and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:
- Publication per faculty in Peer Reviewed National/International Journals: Nil
  - Books per faculty in: Nil
  - Publication per faculty in National/International Conferences/Seminars: Nil
20. Areas of consultancy and income generated: Nil
21. Faculty as members in: Nil
22. Student projects
- Percentage of students who have done in-house projects including inter departmental/programme: Nil
  - Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil
23. Awards / Recognitions received by faculty and students:Nil
24. List of eminent academicians and scientists/visitors to the Department: Nil
25. Seminars/Conferences/Workshops organized and the source of funding:Nil
26. Student profile programme/course wise:

Name of the Course/ programme	Academic Year	Applications received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				* M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.A.-III</b>	2010-11	07	07	-	07	01	06	100	74.01
	2011-12	10	09	-	09	01	07	88.88	91.76
	2012-13	04	04	-	04	-	01	25.00	92.94
	2013-14	04	03	-	03	-	01	33.33	93.56
	2014-15	01	01	-	01	-	-	-	-

\*M = Male \*F = Female

27. Diversity of Students: Nil
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Nil
29. Student progression

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	-

## 30. Details of Infrastructural facilities:

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. 10, Central Library: 54 - -
2	Internet facilities for Staff and Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	Well equipped laboratory Survey Measuring Chain Ranging Rod 2 Parts (Long) Measuring Tape, Arrows Set North Compass. Globe Aneroid Barometer, Max. Min. Thermometer, Dry and Wet Thermometer Plain Table Complete set, Rain Gauge Robinson Cup Anemometer Set, Wine Wane 4"Ht. Complete, Dumpy Level set Prismatic Compass set, Magnetic Though Compass, Toposheet Set, Bharat – Rajkiya Map and Swabhavik World – Rajkiya and Swabhavik Weather Map of India Set

## 31. Number of students receiving financial assistance from college, university, government or other agencies

An average 60% students get financial assistance from Government agencies in the form of scholarship and freeships.

## 32. Details on student enrichment programmes (special lectures/ workshops/seminar) with external experts:

- Visit to Regional Meteorological Centre, Nagpur on dated 4<sup>th</sup> January, 2010.
- Conducted a Social and Economic Survey at Vihirgaon, Nagpur on 23<sup>rd</sup> January 2010 and 12<sup>th</sup> January, 2011.
- Recreational Tour to Ambhora, Tah.- Kuhi, Dist- Nagpur, dated 25<sup>th</sup> February, 2011.

## 33. Teaching methods adopted to improve student learning:-

- Black Board Chalk Method
- Interactive Lectures and Practical

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Students actively participated in the Wild Life week celebration activities to create awareness among the students as well as society about the nature and environment.

## 35. SWOC analysis of the department and Future plans

■ ■ ■

1. Name of the Department : **History**
2. Year of Establishment : 2007
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :

Course	Year of Establishment
UG	2007

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.A.	Annual

6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons - Non grant basis: Nil
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	-	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms. Yamuna Rewatkar	M.A., M.Phil.	Contributory Lecturer (2010 to 2011)	History	01	-
Dr. R. R. Borkar	M.A.	Contributory Lecturer (011 to 2012)	History	01	-
Ms. R. T. Nimje	M.A.	Contributory Lecturer (2012 to till date)	History	03	-

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty  
UG: 100%

13. Student -Teacher Ratio (programme wise)

Course	2011-12	2012-13	2013-14	2014-15	2015-16
UG	11:1	8:1	20:1	4:1	1:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil /PG.

	<b>D.Sc.</b>	<b>Ph.D.</b>	<b>M.Phil.</b>	<b>M.A. (NET/SET)</b>	<b>M.A.</b>
No. of Temporary Faculty	-	-	-	-	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

18. Research Centre /facility recognized by the University

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals: Nil

b) Books per faculty in: Nil

c) Publication per faculty in National/International Conferences/ Seminars: Nil

20. Areas of consultancy and income generated: Nil

21. Faculty as members in: Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/visitors to the Department: Nil

25. Seminars/Conferences/Workshops organized and the source of funding: Nil

26. Student profile programme/course wise:

Name of the Course/ programme	Academic Year	Applications received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
B.A.-III	2010-11	08	08	-	08	01	06	87.5	61.40
	2011-12	11	11	-	11	02	08	72.72	69.96
	2012-13	08	08	-	08	02	06	75.00	66.46
	2013-14	21	21	-	21	07	14	100	72.94
	2014-15	04	04	-	04	03	01	75.00	64.50

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A.	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	-

**30. Details of Infrastructural facilities**

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. Central Lib. 87 Central Library: Central Library:
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	- -

**31. Number of students receiving financial assistance from college, university, government or other agencies:**

An average 60% students get financial assistance from Government agencies in the form of scholarship and freeships.

**32. Details on student enrichment programmes (special lectures/ workshops/seminar) with external experts - NIL**

**33. Teaching methods adopted to improve student learning- Seminar and group discussions.**

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil**

**35. SWOC analysis of the department and Future plans.**

■■■

1. Name of the Department : **Psychology**

2. Year of Establishment : 2007-2008

3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Course	Year of Establishment
UG	2007

4. Names of Interdisciplinary courses and the departments/units involved: Nil

5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of Program	System
1	B.A.	Annual

6. Participation of the department in the courses offered by other departments: Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons -  
Non grant basis: Nil

9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	-	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mrs. Rajni Dhage	M.A.	CHB (2010-2011)	Clinical Psychology	01	-
Ms. Alka Nigut	M.A.	CHB (2010-2013)	Clinical Psychology	03	-
Ms. Shubhangi Gajbhiye	M.A.	CHB (2013-2014)	Clinical Psychology	01	-
Ms. Rashmi Mahajan	M.A.	CHB (2015-2016)	Clinical Psychology	01	-

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty  
UG: 100%

13. Student -Teacher Ratio (programme wise)

Session	2011-12	2012-13	2013-14	2014-15	2015-16
UG	31:1	16:1	6:1	-	17:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ MPhil / PG.

	<b>D.Sc.</b>	<b>Ph.D.</b>	<b>M.Phil</b>	<b>M.A. (NET/SET)</b>	<b>M.A.</b>
No. of Temporary Faculty	-	-	-	-	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty in Peer Reviewed National/International Journals: Nil

b) Books per faculty in: Nil

c) Publication per faculty in National/International Conferences/ Seminars: Nil

20. Areas of consultancy and income generated: Nil

21. Faculty as members in: Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

23. Awards/Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/visitors to the Department: Nil

25. Seminars/Conferences/Workshops organized and the source of funding: Nil

26. Student profile programme/course wise:

Name of the Course/ programme	Acad-emic Year	Appli- cations received	Selected (Appeared for Exam.)	Enrolled		College Result			Univ. Result %
				*M	*F	1 <sup>st</sup> Class	Pass	Pass %	
<b>B.A.-III</b>	2010-11	08	07	-	07	01	06	85.71	77.08
	2011-12	09	09	-	09	03	09	100	90.17
	2012-13	08	08	-	08	04	06	75.00	91.78
	2013-14	05	05	-	05	02	04	80.00	94.84

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A.	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	-



**30. Details of Infrastructural facilities**

S.N.	Facility	Status	No.
1	Library	(i) Text Books (ii) Reference Books (iii) Journals	Departmental Lib. - Central Lib. 99 - -
2	Internet facilities for Staff & Students	(i) No. of Computers (ii) Internet Facility (iii) Printer (iv) Xerox	- Wi-fi - -
3	Class rooms with ICT facility	(i) LCD Projector	LCD Projector in classrooms
4	Laboratories (UG/PG/ Research)	Infrastructural Facilities Instrumentation Facilities	Well equipped laboratory

31. Number of students receiving financial assistance from college, university, government or other agencies:  
An average 60% students get financial assistance from Government agencies in the form of scholarship and freeships.

32. Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts - NIL

33. Teaching methods adopted to improve student learning -  
Seminar and group discussions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans

■■■

### Support Facility

#### 1) Library

\* Year of Establishment : 1992

\* Number of Teaching posts :

Post	Sanctioned	Filled
Librarian	01	01

\* Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S. G. Rokade	M.A., M.LISc., Ph.D.	Librarian	Library and Information Science	19	-

\* Number of support staff (technical) and administrative staff; sanctioned and filled:

Library Attendant: 02

\* Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Major / Minor Projects (Status: Completed/ Ongoing)	Title of the Project	Funding Agency	Grants received
Dr. S. G. Rokade	Minor	Student attitude toward e-learning in Higher Education: A Study at Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	UGC	75,000

\* Publications:

a) Publication per faculty in Peer Reviewed National/International Journals:

Name of Faculty	No. of Papers published in Journal		No. of publication listed in International Database (Scopes)	Citation Index	Impact Factor	SNIP	SJR	H Index
	National	Inter-national						
Dr. S. G. Rokade	05	03	-	-	-	-	-	-

b) Books per faculty in :

Name of Faculty	No. of Books published with ISSN No.	Chapters in Books	Books Edited
Dr. S. G. Rokade		Climate Change and its Impact on Agriculture, <i>In</i> Impact of Global Climate Change on Earth Ecosystems, Biotech Books, New Delhi, 2013, pp 13-20. ISBN No. 978-8176-222 624	-
		Synthesis and Characterization of $\text{Sr}_2\text{CeO}_4$ , Nano Phosphor. <i>In</i> Environmental Biotechnology, Biotech Books, New Delhi, 2013, pp.163-170, ISBN No. 978-81-7622-280-8	-

- \* Participation in Institutional Social Responsibility (ISR) and Extension activities:  
**Guest Lectures:**
  - 1) Mrs. Poonam Menaria, Director, Career Counselor, Psychotherapist, Lighthouse People Services Pvt. Ltd., Nagpur on “Career Counseling for College Students” dated 27<sup>th</sup> December, 2014.
  - 2) Prof. (Mrs.) Vijay Marotkar, Lecturer, New English Junior College, Nagpur on “Students Counseling (Muli Jara Japun)” dated 17<sup>th</sup> October, 2015.
- \* Library Facility:  

No. of Staff	:	1 + 2
Working Hours	:	9.30 am. to 5.30 pm.
- \* Facilities available:  

1) OPAC	:	Yes (Web OPAC is also available)
2) Automation	:	Yes
3) ITC	:	Yes (1 Server + 3 Monitors connecting in LAN with NET connectivity.)
4) NET connectivity for students:	:	Yes (With four computers)
5) Users Record	:	
a) Book Issue per day	:	15 – 20
b) Daily Visitors	:	20 – 25
c) Daily Net Users	:	5 to 9
d) Number of Textbooks:	:	10,094
e) Number of Reference Books	:	374
f) Number of CDs	:	85
g) Number of Journals:	:	25
h) Reprography facility:	:	Yes
- \* SWOC analysis of the department and Future plans  
**STRENGTHS:-**
  - 1) Computerized library.
  - 2) Sufficient books and reference books for students.
  - 3) UGC INFLIBNET N-LIST Programme of e-journals, e-books
  - 4) Net Lab for students and staff members for accessing e-journals and e-books.
  - 5) Mobile App of OPAC is available for all students and staff members.
  - 6) Best Library User Award for student.**WEAKNESSES:**
  - 1) Insufficient space for reading room for staff and students.
  - 2) Little space for virtual classroom and internet facility for students.
  - 3) No space for individual reading carrel.**OPPORTUNITY:**
  - 1) To develop digital library.**CHALLENGES:**
  - 1) Declining of reading habits and use of reference books.

■■■

### Support Facility

#### 2) Physical Education and Natinal Service Scheme (NSS)

\* Year of Establishment : 1992

\* Number of Teaching posts:

Post	Sanctioned	Filled
Assistant Director	01	01

\* Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. S. T. Bakhade	M.P.Ed., M.Phil., Diploma in NIS	Assistant Director	Wrestling Judo	06	-

\* Sports and Game facilities

\* Indoor games: Table Tennis, Chess, Carrom

\* Outdoor games: Kabaddi, Volleyball, Kho-kho, Basketball, Judo Karate

\* Students participation at intercollegiate level sports and games:

Sports and games	Session				
	2011-12	2012-13	2013-14	2014-15	2015-16
Kabaddi	01	01	04	-	-
Table Tennis	04	03	-	-	-
Cross country	05	06	06	10	13
Kho-kho	12	-	-	01	-
Judo	05	01	04	-	-
Rifle shooting	-	01	04	-	-
Chess	-	-	04	05	-
Swimming	-	-	-	01	01
Taek-wondo	-	-	-	03	03

\* University Kabaddi Camp held at Sevadal Mahila Mahavidyalaya Premises No.2, Narsala, Nagpur dated 16-23<sup>rd</sup> November, 2015

#### Participants in the Camp:

- 1) Ms. Pinki Bante, C. P. & Berar College, Nagpur
- 2) Ms. Komal Shende, C. P. & Berar College, Nagpur
- 3) Ms. Nikita Ingole, Binzani College, Nagpur
- 4) Ms. Bhagyashri Rathod, Womens College, Nandanwan, Nagpur
- 5) Ms. Sarika Parteki, Yashwant Mahavidyalaya, Seloo, District Wardha
- 6) Ms. Varsha Rehpande, N.G.Patel College, Mohadi, District Bhandara
- 7) Ms. Ankita Sawarkar, Nabira College, Katol
- 8) Ms. Aakka Gangurde, Orange City Social Work College, Nagpur
- 9) Ms. Kajal Yadav, Madhavrao Wankhede College of Physical Education, Kamptee
- 10) Ms. Jayshri Sirsam, J. M. Patel College, Bhandara
- 11) Ms. Priti Binzade, S. K. Porwal College, Kamptee

- 12) Ms. Madhuri Choudhari, J. B. Science College, Wardha
- 13) Ms. Mohini Chavahan, Arts Commerce and Science College, Arvi
- 14) Ms. Harsha Pandhram, Lok Mahavidyalaya, Wardha

\* Students participation at State/National level sports and games:

<b>Sports and games</b>	<b>2014-15</b>	<b>2015-16</b>
Karate	01	01
Sikai Marshal Art	02	01

\* Publications:

a) Publication per faculty in Peer Reviewed National/International Journals:

<b>Name of Faculty</b>	<b>No. of Papers published in Journal</b>		<b>No. of publication listed in International Database (Scopes)</b>	<b>Citation Index</b>	<b>Impact Factor</b>	<b>SNIP</b>	<b>SJR</b>	<b>H Index</b>
	<b>National</b>	<b>Inter-national</b>						
Mr. S. T. Bakhade	01	01	-	-	-	-	-	-

\* Awards/recognitions/achievement received by the faculty and students:

- Ms. Puja Maske received Gold Medal in National Handa Karate Competition held at Chandigarh dated 1<sup>st</sup>-2<sup>nd</sup> November, 2015.
- Ms. Puja Maske received Silver and Bronze Medal in National Karate Competition held at Nagpur dated 25<sup>th</sup>-26<sup>th</sup> November, 2015.
- Ms. Divya Sonekar received Gold Medal in Taykando Competition held at Goa dated 24<sup>th</sup> September to 2<sup>nd</sup> October, 2015.
- Ms. Jeetu Choudhari, B.Sc.-III (Home Science) of this college joined Defense Services.
- Ms. Shabanam Pathan doing M.P.Ed. at Ishwar Deshmukh College of Physical Education, Nagpur.
- Ms. Mital Thakare doing B.P.Ed. at Ishwar Deshmukh College of Physical Education, Nagpur.

### **National Service Scheme (NSS)**

Unit : 150 No.

Committee :  
 1) Chairperson: Prof. Pravin Charde  
 2) Programme Officer: Mr. Sharad T. Bakhade  
 3) Co-Programme Officer: Mr. N. A. Khandekar

\* Participation of NSS Students in various activities

<b>Year</b>	<b>No. of Students Participated in Camp activities</b>	<b>Activities</b>
2011-12	75	4-11 <sup>th</sup> August, 2011 Raj Bhawan, Nagpur
2012-13	75	1-7 <sup>th</sup> September, 2012 Raj Bhawan, Nagpur
2013-14	75	10-17 <sup>th</sup> September, 2013 Raj Bhawan, Nagpur

\* Participation of Students in other activities undertaken by NSS:

<b>Year</b>	<b>No. of Students Participated in Camp activities</b>	<b>Activities</b>
2011-12	120	Nagpur International Marathon dated 30 <sup>th</sup> January, 2011
	200	Employment Camp in association with District Employment and SelfEmployment Centre, Nagpur dated 8 <sup>th</sup> February 2011
	600	Aadhar Card Mohim 17.06.2011 to 09.07.2011
	80	Blood Donation Camp Dt. 3.10.2011
	25	Stree Bhrun Hatya Rally Dt.29.11.2011
	06	Workshop on “Bhrashtachar Nirmulan Prakriya” Dt. 22.12.2011
	500	Photography Exhibition on Mahatma Gandhi’s Life Dated 30-31 January, 2011
2012-13	75	Tree Plantation Programme at Sevadal Women’s Hostel, Narsal a Nagpur Dated 13 <sup>th</sup> August, 2012
	350	Guest Lecture on the occasion of wildlife week dated 3 <sup>rd</sup> October, 2012
	75	Blood Donation Camp dated 8 <sup>th</sup> October, 2012
	400	Damini Rally dated 5 <sup>th</sup> January, 2013
2013-14	220	Cleanly Awareness Drive (9-15 <sup>th</sup> August, 2013) Poster Competition Dt.10.08.2013 International Hand-Wash Day Dt.12.08.2013 Essay Competition Dt.13.08.2013
	50	Vyasanmukti Sahitya Sammelan dated 2 <sup>nd</sup> October, 2013
	40	Wildlife Week (1-7 <sup>th</sup> October, 2013) Bird Watching (1.10.2013) Blood Donation Camp (03.10.2013)
	10	Birds Nest Project (05.10.2013)
	35	Slogan Competition (06.10.2013)
	275	Wildlife Rally (07.10.2013)
	12	Swami Vivekanand Jayanti Youth Festival (14-15 <sup>th</sup> November, 2013)
		Rajya Rasta Suraksha Abhiyan (9-13 <sup>th</sup> December, 2013)
	22	Slogan Competition (09.12.2013)
	20	Poster Competition (10.12.2013)
	08	Essay Competition (11.12.2013)
	80	Yuva Shankhnad (12.01.2014)
2014-15	55	Sarth Gramgeeta Pariksha 13.08.2014
	170	Wildlife Week (1-7 <sup>th</sup> October, 2014) Bird Watching (1-4 <sup>th</sup> October 2014) Blood Donation Camp (07 & 13 <sup>th</sup> .10.2014) Cleanliness Drive (02.10.2014) Debate Competition (07.10.2014)
	23	T.C.S. Training for Students dated 8-25 <sup>th</sup> December 2014
	10	Youth Festival held at Ramkrushna Math, Nagpur
	30	Birds Conservation and Birds Nest Project (23.02.2015 to 23.03.2015)

## **D: POST ACCREDITATION INITIATIVES**

The process of Accreditation (First Cycle) and Re-Accreditation (2<sup>nd</sup> Cycle) by NAAC Peer Team has helped the college in all round development in terms of re-aligning the teaching-learning process, strengthening the laboratory and library infrastructure and inculcating the research culture. Following the first cycle of accreditation the college has prepared ten years perspective plan for the growth and development of college. The second cycle of accreditation of Sevalal Mahila Mahavidyalaya was carried out in January-2010. The Peer Team made few recommendations for the quality enhancement of the college.

Recommendations given by NAAC Peer Team during NAAC 2<sup>nd</sup> Cycle are –

### **Recommendation I: College may plan for a full fledged course in Communicative English**

- The self-finance degree course needs to be cost effective for various reasons. With fewer admissions, viability of course is affected.
- Proposal to start Course in Communicative English was submitted to Indira Gandhi National Open University (IGNOU) under the establishment of IGNOU regular women study centre dated 24.04.2014. The decision from IGNOU is awaited.
- UGC has sanctioned Rs.7,00,000/- to start Career Oriented Programme in Communicative English.

### **Recommendation II: Strengthening virtual learning resources and integration of ICT:**

- The college has two central computing facility centres with 28 computers. All these computers are with internet connectivity.
- College has free internet facility for staff and students. Access to E-journals and online database facility. Library has subscribed to NLIST-INFLIBNET to provide E-Journals and E-books to the faculty and students.

### **Recommendation III: Quality intensive knowledge flow is required. Improvements and expansion of the college website for greater interaction and learning**

- College website is improved considerably. It provides all the information about college, courses available, subject wise faculty members, support services, extra-curricular and co-curricular activities undertaken. We are trying to improve online interaction with students regarding online admission process, information and circulation of study material to students, online registration of alumni and online collection of student's feedback. We found difficult to increase online interaction with the students as our students are from economically weaker and disadvantaged section of society.

**Recommendation IV: Full fledged Degree Course in Fashion Designing and Music**

- Degree Course in Fashion Designing is governed by AICTE.
- To start Degree Course in Fashion Designing and Music requires additional infrastructure which is not possible in existing campus due to FSI limit.
- To run self funded courses is difficult due to various reasons such as fee structure, want of qualified staff, salary of the staff, etc. With fewer admissions viability of course is affected.
- Proposal to start Diploma and Advanced Diploma in Fashion Designing, DTP and Travel & Tourism was submitted to UGC for assistance during the XII<sup>th</sup> Plan under the scheme for 'Community Colleges' dated 22<sup>nd</sup> May, 2014, which was not approved by the UGC.
- UGC has sanctioned Rs.5,00,000/- to start COP i.e. Certificate, Diploma and Advanced Diploma in Textile Designing.

**Recommendation V: Full and timely utilization of grants**

- Amount of Rs.76,68,000/- and 2,40,000/- have been received by the college under UGC XI<sup>th</sup> and XII<sup>th</sup> plan, respectively. Amount of Rs.61,61,261/- has been received for major and minor research projects. Other than this, UGC grants received for PG Diploma courses and COP courses have been utilized in prescribed time limit.

**Recommendation VI: Award/Reward/Recognition for Best Researcher**

- Certificate of excellence were given by the institution to the following faculty members for their best research contribution.
  - 1) Dr. P. N. Charde for completion of maximum number of major and minor research projects.
  - 2) Dr. (Mrs.) N. S. Dhoble for the publication of research papers with highest Impact Factor and Citation Index.
  - 3) Dr.(Mrs.) K. V. Dubey for best consultancy services.
- Institution has also initiated the Best Research Award in Environmental Studies in association with S. Chand and Co. Ltd., Nagpur.

**Recommendation VII: Greater emphasis is required on interdisciplinary courses**

- At UG level, B.Sc. (Science) and B.Sc. (Home Science) and B.A. courses are interdisciplinary in nature as students have to choose different subjects for their Bachelor Degree.
- Choice Based Credit System at PG level in Science faculty, similarly Doctor of Philosophy (Ph.D.) programme in Science faculty is interdisciplinary in nature.

In addition to the recommendations of the Peer Team, the college has undertaken certain quality sustenance and enhancement measures.



- There have been consistent efforts made by the teachers to enrich the curriculum. Most of the teachers are Members of Board of Studies/Members of Sub-Committees in various subjects and play a key role in framing/restructuring/revising the curricula.
- Ph.D. programmes in Chemistry and Microbiology are introduced from the session 2014-2015.
- College has started self-funded Career Oriented Programme courses in Basic Computer Training: English Computer Speed Test (30 wpm) from the session 2015-2016.
- The functional IQAC is responsible for monitoring the academic activities of the college. The concept of academic audit was introduced after the first assessment and accreditation cycle of NAAC. Every teacher is assessed for their academic performance in the form of API score as stated by UGC regulations, 2009. Teacher's Diary is maintained by teacher which also list out the academic, administrative, co-curricular and extra-curricular activities carried out by a teacher. A well developed mechanism for obtaining student's feedback on teachers has been developed and deployed by the IQAC.
- Infrastructure augmentation includes renovation of library and other infrastructure upgradation of computers, purchase of new additional equipment in keeping with the requirement of the curriculum, ensured the safety and security by installation of CCTV Camera at various locations, procuring additional LCD Projectors for classrooms and laboratories and establishment of virtual classrooms.
- Automation of library services which includes Bar Coding of books, LIBMAN software with the augmented facilities like OPAC (Open Public Access Catalogue) and UGC NLIST INFLIBNET.
- After 2<sup>nd</sup> Cycle of NAAC the college has emphasized on collaborative research with other research institutes. This is reflected in our research publications and major as well as minor research projects. 05 Major projects have been completed with an outlay of Rs.31,65,461/- and 01 major research project is ongoing with an outlay of Rs.9,82,800/-. 22 minor research projects have been successfully completed/ongoing with an outlay of Rs.20,13,000/-. A total 644 research papers have been published in National and International journals and conference proceedings. 20 books have been authored by the teachers 29 chapters have been contributed in books.
- One International conference and two National conferences have been organized by the college. Three International conferences have also been jointly organized in association with other institutions.
- 29 Ph.D. registered students in the Research Academy of Sevadal Mahila Mahavidyalaya have been awarded Ph.D. Degree. 11 students have submitted their Ph.D. thesis and 15 students pursuing research work.

- Institution has signed MoUs with research and social organizations to promote linkage and collaborations. Similarly we have undertaken several programmes to create environment awareness among the students and society.

The Mission and Goals of the institution and functional process of the institution reflects the core values of NAAC –

**A) National and Regional Development:**

- Empowerment of women students through quality higher education and helping them to become strong, self-reliant, socially motivated, responsible and dedicated women.
- Ensures access, equity, social justice and 70% students of the college belongs to SC/ST/OBC category.
- Need based higher education and research project.

**B) Global competencies among students:**

- Exposure to workshops, seminars, symposia, guest lectures, exhibition and so on. Thrust on soft skills such as communication skills, computer usage and personality development.
- All the students of the Science, Home Science and some of the Social Science subjects have practical component including experiments, field visits, assignments and project work.

**C) Value Based Education to students:**

- Thrust on culture, national integrity, patriotism, environmental protection, social service to NSS and Environmental Cell. Organization of Guest Lectures on value based education.
- All the U.G. students compulsorily learn a paper on Environmental Studies.

**D) Usage of Technology in Teaching-Learning Process:**

- Usage of ICT in teaching-learning process, modernization of laboratory with sophisticated equipments and computerization of office, library and departments.

**E) Quest of Excellence:**

- Establishment of IQAC, submission of AQAR for every decennial year after 1<sup>st</sup> and 2<sup>nd</sup> assessment and accreditation.
- Professionalism in approach and practice. Academic audit of teachers through API score. Periodical assessment of students. Inviting eminent academician, scientists, resource persons and public personalities to deliver lectures, Key-note addresses on various occasions.

In our quest of excellence we are confident that with the support of responsive management and dedicated members of teaching and non-teaching staff, we shall emerge as one of the best institution specifically for providing quality education to the girl's of mostly deprived section of the society and thus fulfilling the mission of our Founders.

■■■

### ABBREVIATIONS

ABGM	Ahkil Bhartiya Gandharva Mahavidyalaya, Miraj
API	Academic Performance Indicator
ASC	Academic Staff College
BARC	Bhabha Atomic Research Centre
BAMU	Babasaheb Ambedkar Marathwada University
BCUD	Board of Colleges and University Development
BITS	Birla Institute of Technology and Science
BRNS	Board of Research in Nuclear Science
CBCS	Choice Based Credit System
CCMB	Centre for Cellular and Molecular Biology
CEO	Chief Executive Officer
CICR	Central Institute of Cotton Research
CIIMS	Central India Institute of Medical Science
COP	Career Oriented Course
EHS	Environment Health and Society
EIRA	Environment Impact Factor Risk Assessment
FCO	Fertilizer Control Order
GOI	Government of India
IGNOU	Indira Gandhi National Open University
IIT	Indian Institute of Technology
INRC	International Research Centre Collombo
IUAC	Inter University Accelerator Centre
LEC	Local Enquiry Committee
LAD	Lady Amrutabai Daga
LMC	Local Managing Committee
MMC	Nagpur Municipal Corporation
MPSC	Maharashtra Public Service Commission
MSW	Master of Social Welfare
NEERI	National Environmental Engineering Research Institute
NGO	Non-Government Organization
NPL	National Physical Laboratory
PBAS	Performance Based Appraisal System
PDKV	Panjabrao Deshmukh Krishi Vidyapeeth
PG	Post Graduation
PGTD	Post Graduate Teaching Department
RAK	Ras Al Khaimal
RDGM	Radha Devi Goenka Mahavidyalaya
RCOF	Regional Centre of Organic Farming
RTM	Rashtrasant Tukadoji Maharaj
SBS	Swiss Business School
SGBAU	Sant Gadge Baba Amravati University
SEARCH	Society for Education and Research in Community Health
SRTMU	Swamy Ramanand Teerth Marathwada University
UAE	United Arab Emirates
UG	Undergraduate
UGC	University Grants Commission
UID	Unique Identification
VNGIASS	Vasantrao Naik Government Institute of Arts and Social Sciences
VNIT	Vishveswaraya National Institute of Technology
WCMANU	World Congress on Man and Nature

Sevadal Shikshan Sanstha, Nagpur  
**SEVADAL MAHILA MAHAVIDYALAYA**  
NAAAC Re-Accredited with 'A' Grade  
Place for Higher Learning & Research

Sakkandara Square, Umner Road, Nagpur - 440 024 (M.S.)  
Phone No.: 0712 - 2709037, 2701344 Fax No.: 0712 - 2709037  
E-mail: smm\_college@yahoo.co.in, sevamahilamv@gmail.com  
Website: <http://www.sevadalmahilamahavidyalaya.org>

**Dr. Pravlin Charde**  
M. Sc., Ph. D.  
PRINCIPAL

Ref. No. SMM/MSR/15-16  
Date : 28/12/15

**Declaration by the Head of the Institution**

I certify that, the data included in this Self Study Report (SSR) is true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer Team will validate the information provided in this SSR during the Peer Team visit.

Date: 28/12/2015  
Place: Nagpur

(Prof. Pravlin Charde)  
Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur



E-mail: [smm\\_college@yahoo.co.in](mailto:smm_college@yahoo.co.in), [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com) Website: <http://www.sevadalmahilamahavidyalaya.org>

<b>Dr. Pravin Charde</b> M. Sc., Ph. D. <b>PRINCIPAL</b>		Sevadal Shikshan Sanstha, Nagpur <b>SEVADAL MAHILA MAHAVIDYALAYA</b> NAAC Re-Accredited with 'A' Grade Place for Higher Learning & Research
Ref. No. : <u>smm/1002/15-16</u> Date : <u>28/12/15</u>	Sakardara Square, Umrer Road, Nagpur - 440 024 (M.S.) Phone No.: 0712 - 2705037, 2751344 Fax No.: 0712 - 2705037 E-mail: <a href="mailto:smm_college@yahoo.co.in">smm_college@yahoo.co.in</a> , <a href="mailto:sevamahilamv@gmail.com">sevamahilamv@gmail.com</a> Website: <a href="http://www.sevadalmahilamahavidyalaya.org">http://www.sevadalmahilamahavidyalaya.org</a>	

**CERTIFICATE OF COMPLIANCE**  
(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that **Sevadal Shikshan Sanstha's Sevadal Mahila Mahavidyalaya, Nagpur-440024 (M.S.)** fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation/recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.


Date: 28/12/2015  
 Place: Nagpur



  
 (Prof. Pravin Charde)  
 Principal  
 Sevadal Mahila Mahavidyalaya,  
 Nagpur

E-mail: [smm\\_college@yahoo.co.in](mailto:smm_college@yahoo.co.in), [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com) Website: <http://www.sevadalmahilamahavidyalaya.org>

## Annexure-I



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**  
(Established by Government of Central Provinces Education Department by Notification No 513 dated the 1<sup>st</sup> of August 1923 & presently a State University governed by M.U. Act, 1984)

**Re-accredited by NAAC 'A' Grade**

**BOARD OF COLLEGE & UNIVERSITY DEVELOPMENT**  
Mahatma Jyotiba Fule Education Campus, Amravati Road, Nagpur-440 033 (INDIA)

Phone No.2042962

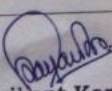
No.BCUD/2015/G/809  
Date : 22.07.2015

**Dr. Shrikant Komawar**  
Director, BCUD

**TO WHOM IT MAY CONCERN**

This is to certify that **Sevadal Mahila Mahavidyalaya, Sakardara Square, Ummer Road Nagpur-440024** is affiliated to the Rashtrasant Tukadoji Maharaj Nagpur University since 1992 and recognized by the University Grants Commission. The following Courses/Subject are taught in the said college as per approval.

Sr. No.	Courses/Subject	Duration of the course	Affiliation (Permanent/Temporary)	Validity period
1.	<b>Faculty of Arts/Social Sciences (B.A. Part I,II,III)</b> Compulsory English, Compulsory Marathi, Marathi Literature, Music, Sociology, Political Science, Home-Economics.	3 Year	Permanent	Permanent
2.	<b>Faculty of Science (B.Sc.I,II,III)</b> Compulsory English, Compulsory Marathi, Chemistry, Zoology, Botany, Microbiology, Environmental Science.	3 Year	Permanent	Permanent
3.	<b>Faculty of Home-Science (B.Sc.I,II,III)</b> Compulsory English, Compulsory Marathi, Physics, Chemistry, Biology, Textile and Clothing, Food and Nutrition, Human Developments, Extension Education, Family Resource Management.	3 Year	Permanent	Permanent
4.	<b>Faculty of Arts (B.A. Part I,II,III)</b> (Economics, Geography, History, Psychology, English Literature)Additional Section	3 Year	Temporary	2015-2016
5.	<b>Faculty of Science (B.Sc.I,II,III)</b> (Biochemistry, Biotechnology, Computer Science, Mathematics, Physics.)Additional Section	3 Year	Temporary	2015-2016
6.	<b>Faculty of Science M.Sc.</b> Chemistry, Zoology and Environmental Science	2 Year	Temporary	2015-2016
7.	<b>Faculty of Science</b> Ph.D. in Zoology, Environmental Science	5 Year	Temporary	2012-2017
8.	<b>Faculty of Science</b> Ph.D. in Chemistry and Microbiology	5 Year	Temporary	2015-2020

  
(Dr. Shrikant Komawar)  
Director

## Annexure-II

23236351, 23232701, 23237721, 23234114  
23236773, 23232317, 23236735, 23239437

आ. क. १६११०४  
विश्वविद्यालय अनुदान आयोग  
इ. ह. र. शाह जंकर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
SAFARSHAH ZAFAR MARG  
NEW DELHI-110 002

आम-विज्ञान विभाग

F. 8-23/98 (CPP-1) August, 2004

The Registrar,  
Nagpur University,  
Amravati Road,  
Nagpur-440 010 (M.S.).

- 8 SEP 2004

Sub:- List of Colleges prepared under Section 2 (f) of the UGC Act, 1956-Inclusion of New College.

Sir,

I am directed to refer to letter No. SMIM/139 dated 16-10-2003 received from the Principal, Sevadal Mahila Mahavidyalaya, Nagpur on the subject cited above and to say that the name of the following College has been included in the list of Colleges prepared under Section 2 (f) of the UGC Act, 1956 under the head Non-Government Colleges teaching upto Bachelor's Degree:-

Name of the College	Year of Establishment	Remarks
Sevadal Mahila Mahavidyalaya, Sakardara Chowk, Umrer Road, Nagpur-09, (On temporary affiliation)	1992	The College is not eligible to receive Central assistance in terms of the Rules framed under Section 12-B of the U.G.C Act, 1956.

The Indemnity Bond and other documents in respect of the above College have been accepted by the Commission.

Yours faithfully

(Mrs. Urmil Gulati)  
Under Secretary

Copy to:-

1. The Principal, Sevadal Mahila Mahavidyalaya, Sakardara Chowk, Umrer Road, Nagpur-09 (M.S).
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi-110 001.
3. The Joint Secretary, UGC, Western Regional Office, Ganeshkhind, Poona University Campus, Pune (M.S).
4. Section Officer, FD-III Section, UGC, New Delhi.
5. All Sections, UGC, New Delhi.
6. Guard file.

(Prem Chand)  
Section Officer



Annexure-III

08/03/2006 16:54 FAX 01123231797

CHAIRMAN UGC

23236351, 23232701, 23237714, 23234111  
23235773, 23232517, 23236735, 23239437

[www.ugc.ac.in](http://www.ugc.ac.in)

F. 8-88/2006 (CPP-1)

7<sup>th</sup> March, 2006

विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

सत्यमेव जयते

The Registrar,  
Rashtrasant Tukadoji Maharaj Nagpur University,  
Amravati Road,  
Nagpur-440 033 (M.S.)

Sub:- Declaring a College fit to receive Central assistance under Section 12-B of UGC Act, 1956.

Sir,

I am directed to refer to your letter No. BCUD/P/2005/0/3038 dated 08.12.2005 on the above subject and to say that it has been noted that Sevadal Mahila Mahavidyalaya, Nagpur (M.S) has been granted permanent affiliation by the Rashtrasant Tukadoji Maharaj Nagpur University. Accordingly, Sevadal Mahila Mahavidyalaya, Nagpur (M.S) which already stands included under Section 2 (f) of the UGC Act, 1956 under the head "Non Government Colleges teaching upto Bachelor's Degree" is declared fit to receive central/UGC assistance in terms of Rules framed under Section 12-(B) of the UGC Act, 1956.

Yours faithfully,

*(Signature)*  
(Mrs. Urmil Gulati)  
Under Secretary

Copies to:-

1. The Principal, Sevadal Mahila Mahavidyalaya, Sakardara Chowk, Umrer Road, Nagpur-440 009 (M.S)
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education & Higher Education, Shastri Bhavan, New Delhi-110 001.
3. Principal Secretary, Technical & Higher Education, Govt. of Maharashtra, Mantralaya, Mumbai - 400 032.
4. The Joint Secretary, UGC, Western Regional Office, Ganeshkhind, Poona University Campus, Pune (M.S)-411 007.
5. Publication Officer, UGC-Website, New Delhi.
6. Section Officer (F.D.-III Section) U.G.C., New Delhi.
7. All Sections, U.G.C., New Delhi.
8. Guard file.

*(Signature)*  
(B.R. Nagpal)  
Section Officer



## Annexure-IV

**UNIVERSITY GRANTS COMMISSION**  
Western Regional Office  
Ganeshkhind Road, Pune-411 007.

Date: 11 FEB 2011  
Tel: 25691477, 25696897  
Fax: (020) 25691477  
Web site: [www.ugc.ac.in](http://www.ugc.ac.in)

No. F. 7-81/07/CD (WRO)

The Accounts Officer  
University Grants Commission (WRO)  
Pune-411 007.

**Subject: Development assistance to colleges for College Development under XI<sup>th</sup> Plan- release of grants-in-aid for Books/Journals and Equipment upto 100% of Allocation.**

Sir/Madam,

On the basis of the recommendations of the Expert Committee which assessed the XI<sup>th</sup> Plan Development proposal of Sevadal Mahila Mahavidyalaya, Sevadal Mahila Mahavidyalaya, Sakardara Chowk Umrer Road,, Nagpur Nagpur 440009 and UGC approval letter no F.1-1/2009(RO/Policy/Interface Meeting) dated 28.10.09, the following allocation cum sanction has already been made. Now we hereby release of 40% of remaining grant for Books, Journals & Equipment. Now the total allocation for Books, Journals & Equipment becomes 100 % so that colleges can utilize these grants more meaningfully.

(In rupees) Head : B(i) c

	Head	Grant allocated	Grant already released 60%	Grant being released for Books & Equip 40%	Total grant released for (Books, Equip 100%, other 60%)
	1	2	4	5	6
Under Graduate					
1	Books & Journals	100000	60000	40000	100000
2	Equipment	500000	300000	200000	500000
3	Maintenance of equipment	200000	120000	-	120000
4*	Construction/ extension/ renovation of building (specify type of building)		0	-	0
5	Improvement of facilities in existing premises	100000	60000	-	60000
6	Enhancement of initiative for competence building	200000	120000	-	120000
7	Examination reform	100000	60000	-	60000
8	Educational Innovation	200000	120000	-	120000
9	Field work / Study tours	100000	60000	-	60000
10	Extension activities	100000	60000	-	60000
	<b>Total</b>	<b>1600000</b>	<b>960000</b>	<b>240000</b>	<b>1200000</b>

<b>Total:</b>		0	0		0
<b>Name of the Department :</b>					
1	Books & Journals		0		0
2	Equipment		0		0
3*	Building		0		0
4	Field work / Study tours		0		0
5	Any other (specify)		0		0
<b>Total:</b>		0	0		0
<b>Name of the Department :</b>					
1	Books & Journals		0		0
2	Equipment		0		0
3*	Building		0		0
4	Field work / Study tours		0		0
5	Any other (specify)		0		0
<b>Total:</b>		0	0		0
<b>Total Postgraduate Education</b>		2400000	1440000		1440000
1	Name of the Course:	0	0	0	0
2	Name of the Course:		0	0	0
3	Name of the Course:		0	0	0
<b>Total</b>		0	0	0	0
<b>Grant Total</b>		4000000	2400000	240000	2640000

- The terms and conditions are applicable as already being followed by the college under various UGC Schemes from time to time and as finalized under 11<sup>th</sup> Plan guidelines. The sanctioned amount is debitable to the major Head B(i) and is valid for the financial year 2010-11.
- The amount of the grants shall be drawn by the Accounts Officer, DDO, UGC (WRO), Pune on the grant-in-aid bill and shall be disbursed to and credited to the Principal of the college by cheque/DD/Mail Transfer.
- The grant is subject to adjustment on the basis of utilization certificate in the prescribed proforma submitted by the university/ college/ institution.
- The university/ college shall maintain proper accounts of expenditure incurred out of the grants, which shall be utilised only on approved items of expenditure.
- The assets acquired wholly or substantially out of UGC grant shall not be disposed of or encumbered or utilised for purposes other than those for which the grant was given and should, at any time, the college cease to function, such assets shall back revert to the UGC.

UNIVERSITY GRANTS COMMISSION  
Western Regional Office  
Ganeshkhind Road, Pune - 411 007.

Date: 1 MAR 2011  
Tel: 25691477, 25696897  
Fax: (020) 25691477  
Web site: www.ugc.ac.in

No.E.7-81/07 (WRO)

The Accounts Officer  
University Grants Commission (WRO)  
Pune-411 007.

**Subject:** Development assistance to colleges for Merged Schemes under XI<sup>th</sup> Plan- release of grants-in-aid.

Sir/Madam,

On the basis of the recommendations of the Expert Committee which assessed the XI<sup>th</sup> Plan Development proposal of Sevalal Mahila Mahavidyalaya Sevalal Mahila Mahavidyalaya, Sakardara Chowk Umrer Road,, Nagpur Nagpur-440009 and UGC approval letter no F.1-1/2009(RO/Policy/Interface Meeting) dated 28.10.09, the following allocation cum sanction has already been made. Now we hereby convey release of 80% of remaining grant for Books, Journals & Equipment under the component Special grant for enhancement of initiative for capacity in colleges (Sr. No. 6). Now the total allocation for Books/Journals & Equipment becomes 100 % under this scheme so that colleges can utilize these grants more meaningfully.

(in rupees) Head : B(i) c

Head	Grant allocated	Grant already sanctioned	Difference of grant being sanctioned upto 60% of allocation	Total grant sanctioned
1	2	3	4	5
<b>Merged Schemes:</b>				
1. Improvement of facilities in existing premises	200000	0		0
2. Rejuvenation of Infrastructure in Old Colleges (Established before 15 <sup>th</sup> August, 1947)		0		0
3. 'Catch-up' grant for Young Colleges				
* Building	500000	0		0
Books and Journals	100000	100000		100000
Equipment	600000	600000		600000
<b>Total:</b>	1200000	700000		700000
4. Colleges located in Rural/Remote/ Border/ Hill/ Tribal Areas (Certificate of location from Govt. Officer not below the rank of BDO to be furnished)				
Accommodation for teachers/ students on rental basis		0		0
Conveyance allowance to students		0		0
Developing and implementing location specific curricula		0		0
<b>Total:</b>	0	0		0



- (Dr. G. Srinivas)  
Joint Secretary

**UNIVERSITY GRANTS COMMISSION**  
Western Regional Office  
Ganeshkhind, Pune- 411007

सेवादल महिला महाविद्यालय  
उमरेड रोड, नागपुर-४४०००९  
Dated: 26 NOV 2010

No. F. 73-114/10(WRO) XI Plan

Phones: (020) 25691477  
25691178, 25696897  
Fax : (020) 25691477  
Web site: [www.ugc.ac.in](http://www.ugc.ac.in)

The Accounts Officer  
University Grants Commission (WRO)  
PUNE-411 007.

**Subject: Financial assistance to Colleges Under The Scheme of Providing Additional Assistance to Colleges Already Covered Under Section 12B of UGC during 11<sup>th</sup> Plan Period (First installment).**

Sir/Madam,

I am to refer to the correspondence No. dated from the college on the above subject and to convey the sanction of the Commission for payment of ~~Rs.12500000~~ only (Rs. Only) as First installment to Sevalal Mahila Mahavidyalaya, Umrer Road, Nagpur-440009. For Construction of during 11th plan for Additional Assistance Scheme as per the details given below

Name of The Scheme	Total UGC alloc.	BE	Grant already sanctioned	Grant being sanctioned (50%)	UC received	Total Grant sanctioned	Head of A/c
Additional Assistance	2500000	2500000	0	1250000		1250000	1.B (i)(f)(ii)

**NOTE: Colleges have to Maintain a separate Asset register for equipment/ items procured under the schemes.**  
**The grant shall not be used for self-financing/ non-grant/unaided courses & teachers.**

- The Commission's share will be limited to Rs. 2500000 or 100% of the actual expenditure whichever is less. The terms and conditions are the same as already conveyed to the college.
- The sanctioned amount is debitable to the major Head B(i) b and is valid for the financial year 2010-11.
- The amount of the grants shall be drawn by the Account Officer (DDO), UGC (WRO), Pune on the Grants-in-aid bill and shall be disbursed to and credited to the Principal of the college by Cheque/DD/Mail Transfer.
- The grant is subject to adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/ College/ Institution.
- The University/ College shall maintain proper accounts of the expenditure out of the grants which shall be utilized only on approved items of expenditure.
- The assets acquired wholly or substantially out of UGC's grant, shall not be disposed of or encumbered or utilized for purposes other than those for which the grant was given, without proper sanction of the UGC, and should at any time the College cease to function, such assets shall revert to the UGC.

-2-

No. F 73-114/10(WRO)

7. A Register of the assets acquired wholly or substantially out of the grant shall be maintained by the University/ College in the prescribed form.
8. The Univ./College shall follow strictly all the instructions issued by the Govt. of India from time to time with regard to reservation of posts for SC/STOBC.
9. The University/College shall fully implement to Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Languages (use for official purposes of the Union ) Rules, 1976 etc.
10. The sanction issues in exercise of the delegation of powers vide Commission office order No. 25/92 dated May 01, 1992.
11. An amount of Rs. \_\_\_\_\_ out of the grant of Rs. \_\_\_\_\_ sanctioned vide letter of even no. dated \_\_\_\_\_ has been utilized by the college for the purpose for which it was sanctioned and noted in Grant-in-Aid Register at page No. \_\_\_\_\_.
12. **The funds to the extent are available under the scheme.**
13. The grantee institution shall ensure the utilization of grants-in-aid for which it is being sanctioned / paid. In case non-utilization / part utilization, the **simple interest @ 10% per annum** as amended from time to time on utilization amount from the date of drawl to the date of refund as per provision contained in General Financial Rules of Govt. of India will be charged.

Yours faithfully

(Dr. G. Srinivas)  
Joint Secretary

26/11/10

Copies forwarded for information and necessary action to:

- i) ☒ The Principal,  
Sevadal Mahila Mahavidyalaya,  
Umrer Road  
Nagpur- 440009
- ii) The Director, B.C.U.D./ C.D.C. University of RTM Nagpur
- iii) The Director, Higher Education, Govt. of Central Bldg., Pune- 1
- iv) Accountant General, Govt. of Maharashtra State, Mumbai- 20
- v) Guard File.



**UNIVERSITY GRANTS COMMISSION**  
Western Regional Office  
Ganeshkhind, Pune-411007.

No. F.73-114/10 (WRO) XI Plan

Dated: 13 JAN 2011  
Phones: (020) 25691477  
25691178, 25696897  
Fax : (020) 25691477  
Web site: www.ugc.ac.in

The Accounts Officer  
University Grants Commission (WRO)  
PUNE-411 007.

**Subject: Financial assistance to Colleges Under The Scheme of Providing Additional Assistance to Colleges Already Covered Under Section 12B of UGC during 11<sup>th</sup> Plan Period (2nd installment).**

Sir/Madam,

I am to refer to the correspondence No. dated from the college on the above subject and to convey the sanction of the Commission for payment of Rs.1000000 /-only (Rs. Only) as 2nd installment to Sevadal Mahila Mahavidyalaya, Umrer Road, Nagpur-440009. During 11th plan for Additional Assistance Scheme as per the details given below

Name of The Scheme	Total UGC alloc.	BE	Grant already sanctioned (50%)	Grant being sanctioned (40%)	Total Grant sanctioned (90%)	Balance Grant (10%)	Head of A/c
Additional Assistance	2500000	2500000	1250000	1000000	2250000	250000	1.B (i)(f)(ii)

**NOTE: Colleges have to Maintain a separate Asset register for equipment/ items procured under the schemes.**

**The grant shall not be used for self-financing/ non-grant/unaided courses & teachers.**

- The Commission's share will be limited to Rs. or 100% of the actual expenditure whichever is less. The terms and conditions are the same as already conveyed to the college.
- The sanctioned amount is debitible to the major Head B (i) b and is valid for the financial year 2010-11.
- The amount of the grants shall be drawn by the Account Officer (DDO), UGC (WRO), and Pune on the Grants-in-aid bill and shall be disbursed to and credited to the Principal of the college by Cheque/DD/Mail Transfer.
- The grant is subject to adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/ College/ Institution.
- The University/ College shall maintain proper accounts of the expenditure out of the grants, which shall be utilized, only on approved items of expenditure.
- The assets acquired wholly or substantially out of UGC's grant, shall not be disposed of or encumbered or utilized for purposes other than those for which the grant was given, without proper sanction of the UGC, and should at any time the College cease to function, such assets shall revert to the UGC

-2-

No. F 73-114/10 (WRO)

7. A Register of the assets acquired wholly or substantially out of the grant shall be maintained by the University/ College in the prescribed form.
8. The Univ./College shall follow strictly all the instructions issued by the Govt. of India from time to time with regard to reservation of posts for SC/STOBC.
9. The University/College shall fully implement to Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Languages (use for official purposes of the Union) Rules, 1976 etc.
10. The sanction issues in exercise of the delegation of powers vide Commission office order No. 25/92 dated May 01, 1992.
11. An amount of Rs. \_\_\_\_\_ out of the grant of Rs. \_\_\_\_\_ sanctioned vide letter of even no. dated \_\_\_\_\_ has been utilized by the college for the purpose for which it was sanctioned and noted in Grant-in-Aid Register at page No. \_\_\_\_\_.
12. **The funds to the extent are available under the scheme.**
13. The grantee institution shall ensure the utilization of grants-in-aid for which it is being sanctioned / paid. In case non-utilization / part utilization, the **simple interest @ 10% per annum** as amended from time to time on utilization amount from the date of drawl to the date of refund as per provision contained in General Financial Rules of Govt. of India will be charged.

Yours faithfully

(Dr. G. Srinivas)  
Joint Secretary

Copies forwarded for information and necessary action to:


- i) The Principal,  
Sevadal Mahila Mahavidyalaya,  
Umrer Road,  
Nagpur- 440009.
- ii) The Director, B.C.U.D./ C.D.C./ University of RTM Nagpur
- iii) The Director, Higher Education, Govt. of Central Bldg., Pune- 1
- iv) Accountant General, Govt. of Maharashtra State, Mumbai- 20
- v) Guard File.

(Dr. G. Srinivas)  
Joint Secretary



## Annexure-V

विश्वविद्यालय अनुदान आयोग  
पश्चिम विभागीय कार्यालय  
गणेशखिंड, पुणे - ४११००७  
University Grants Commission  
Western Regional Office  
Ganeshkhind, Pune - 411007.



ज्ञान-विज्ञान विमुक्तये

दूरभाष Phone: कार्यालय OFF:- 020 - 25696897  
020 - 25691178  
फॅक्स Tele Fax.: 020 - 25691477  
Website - www.ugc.ac.in

F. No 7-81/13(WRO)

The Principal,  
Sevadal Mahila Mahavidyalaya,  
Sakardara Chowk,  
Umrer Road,  
Nagpur - 440009.

Date: 28.03.2014

सेवादल महिला महाविद्यालय  
अ. क्र. ५२२  
दिनांक १७.०४.२०१४  
उमरेड रोड, नागपूर-९

Subject: XII Plan allocation under General Development Assistance to Colleges.

Sir/Madam,


I am directed to convey the approval of the UGC to Sevadal Mahila Mahavidyalaya, Umrer Road, Nagpur- 440009 the XII plan allocation of Rs.4564450/- under the "General Development Assistance" for the development of undergraduate and postgraduate education. The UGC in the XII Plan has decided to provide grants under General Development Assistance as 'Block Grant'. The college will have the flexibility to incur expenditure under the following heads as per the needs of the college. Accordingly, grant allocated under GDA to the college is under two object heads viz. Grant-in-aid General (31) and Capital Assets (35).

Capital Assets (35) 80% of total allocation	Grant-in-aid General (31) 20% of total allocation	Total
Rs.3651560/-	Rs.912890/-	Rs.4564450/-

- The above mentioned allocation is meant for the development of undergraduate and postgraduate education.
- The college has to constitute a Planning Board with Principal as Chairman and Heads of departments, IQAC Coordinator, Librarian & Bursor/Senior person from the Accounts department as members
- The Planning Board will finalize allocation to Undergraduate and Postgraduate departments after identifying the heads and deciding on priorities of departments.
- The eligibility criteria for Undergraduate and Postgraduate departments to get assistance under the scheme is given in the XII plan guidelines for Development grant to colleges.
- The Planning Board may refer to the guidelines before finalizing allocation to Undergraduate and Postgraduate departments
- After finalizing the budget allocation for Undergraduate and Postgraduate education, the Planning Board should submit the details as per Annexure - I and Annexure - II in the XII plan guidelines to the UGC (WRO), Pune latest by 30<sup>th</sup> June 2014.
- Expenditure on construction, extension, and renovation of building should not exceed 50% of the total grant under GDA. The college must inform the requirement of funds or otherwise for construction, extension, and renovation of building before 30<sup>th</sup> June, 2014 to enable further release of grant under the scheme.
- UGC has already released adhoc on account grant to the college against this XII Plan allocation.


- The concept of Merged Schemes introduced during the XI Plan has been done away with and no separate grant under the Merged Schemes will be provided during the XII Plan.
- It is also mentioned here that the following schemes which were earlier part of Merged Scheme now will be implemented independently by a dedicated cell of UGC at Head Quarter, New Delhi and separate grant will be provided by UGC under these schemes.
  - (i) Equal Opportunity Cell.
  - (ii) Remedial Coaching for SC/ST/OBC (non-creamy layer) and minority community students.
  - (iii) Coaching for NET for SC/ST/OBC (non-creamy layer) and minority community students.
  - (iv) Coaching Classes for Entry into services for SC/ST/OBC (non-creamy layer) and minority community students.
  - (v) Scheme for persons with disabilities.

Yours sincerely,

  
[Dr. (Mrs.) Renu Batra]  
Joint Secretary.

Copy to:

1. The Director BCUD/CDC University of Nagpur
2. The Director, Higher Education, Govt of Maharashtra, Central Building Pune-1.
3. Account General, Govt of Maharashtra state, 101, Maharshi Karve Marg, Mumbai -20.
4. Guard file.

  
[Dr. (Mrs.) Renu Batra]  
Joint Secretary.








Annexure-VII

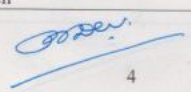
Section I: GENERAL	
1 Name & Address of the Institution:	Sevadal Mahila Mahavidyalaya, Sakardara Chowk, Nagpur - 440 009 Maharashtra
2 Year of Establishment:	August 1982
3 Current Academic Activities at the Institution (Numbers):	
• Faculties/ Schools:	
• Departments/ Centres:	Art -12, Science -10, Home Science-08
• Programmes/ Courses offered:	PG - 05, UG - 05, Ph.D - 02, PG Diploma - 02
• Permanent Faculty Members:	45
• Permanent Support Staff:	27
• Students:	1345
<p align="center"><b>PEER TEAM REPORT ON SEVADAL MAHILA MAHAVIDYALAYA</b></p> <p align="center">SAKKARDARA CHOWK, UMRER ROAD, NAGPUR 440009 AUGUST 27-29, 2010</p>	
4 Three major features by the institution (as perceived by the Peer Team):	<ul style="list-style-type: none"> <li>• Urban grant-in-aid and self-financed Women's University, Nagpur, located in the heart of Nagpur.</li> <li>• Caters primarily to the students from socio-economically underprivileged sections of the society.</li> <li>• Offers UG, PG and certificate courses.</li> </ul>
5 Dates of visit of the Peer Team:	August 27-29, 2010 (Schedule enclosed)
6 A detailed visit schedule may be included (as given below):	
7 Composition of the Peer Team which undertook the on-site visit:	<ol style="list-style-type: none"> <li>1. Chairman: Prof. Bhonmitra Desai</li> <li>2. Member: Dr. Genta Tiwari</li> <li>3. Member Coordinator: Prof. Bhaskar N. Joshi</li> <li>4. NAAC Coordinator: Dr. Sujata Shandbag</li> </ol>

Section I: GENERAL	Information
1.1 Name & Address of the Institution :	Sevadal Mahila Mahavidyalaya, Sakkardara Chowk, Umrer Road, Nagpur – 440 009 Maharashtra
1.2 Year of Establishment :	August 1992
1.3 Current Academic Activities at the Institution (Numbers):	<ul style="list-style-type: none"> <li>• Faculties/ Schools :</li> <li>• Departments/ Centres :</li> <li>• Programmes/ Courses offered :</li> </ul>
1.4 Permanent Faculty Members:	45
1.4 Permanent Support Staff:	27
1.4 Students	UG -767, PG-74, Ph.D-05
1.4 Three major features in the institutional Context (As perceived by the Peer Team):	<ul style="list-style-type: none"> <li>▪ Urban grant-in-aid and self-financed Women's College affiliated to the Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, located in the Vidarbha region of Maharashtra and managed by Sevadal Education Society founded in 1958.</li> <li>▪ Caters primarily to the students from socio-economically underprivileged sections of the society.</li> <li>▪ Offers UG, PG and certificate courses.</li> </ul>
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as given below):	August 27-29, 2010 (Schedule enclosed)
1.6 Composition of the Peer Team which undertook the on- site visit:	<ol style="list-style-type: none"> <li>1. Chairman: Prof. Bhoomittra Dev</li> <li>2. Member: Dr. Geeta Tiwari</li> <li>3. Member Coordinator: Prof Bhaskar N. Joshi</li> <li>4. NAAC Coordinator: Dr Sujata Shanbhag</li> </ol>

Section II: CRITERION-WISE ANALYSIS	Observations (Strengths and/or Weaknesses) on Key-Aspects (Please limit to <i>three major ones</i> for each and use telegraphic language (It is not necessary to indicate all the three bullets each time; write only the relevant ones)
<b>2.1 Curricular Aspects:</b>	
2.1.1 Curricular Design & Development:	<ul style="list-style-type: none"> <li>• The affiliating University designs and develops Curriculum.</li> <li>• The Institution sends inputs for curriculum design through B.o.S members</li> <li>• Curriculum for Certificate courses is designed by the College as per requirement of the stake-holders.</li> </ul>
2.1.2 Academic flexibility:	<ul style="list-style-type: none"> <li>• Academic flexibility fairly good and dependent on the affiliating University.</li> <li>• Add-on courses in Textile Designing and Communicative English provide value addition.</li> <li>• Courses run on annual pattern.</li> </ul>
2.1.3 Feedback on Curriculum	<ul style="list-style-type: none"> <li>• Informal feedback obtained from the students, Stake-holders and experts.</li> <li>• B.o.S members/teachers from the College suggest modification/improvements based on feedback.</li> <li>• Formal mechanism for periodic feedback yet to be evolved.</li> </ul>
2.1.4 Curriculum update	<ul style="list-style-type: none"> <li>• The affiliating University revises and updates syllabi</li> <li>• Syllabus suggested by the UGC forms the basis for revision.</li> </ul>
2.1.5 Best Practices in Curricular aspects (If any):	<ul style="list-style-type: none"> <li>• Establishment of Language laboratory.</li> <li>• Development of teaching schedules and lesson plans at the beginning of academic year.</li> </ul>
<b>2.2 Teaching- Learning &amp; Evaluation:</b>	
2.2.1 Admission Process and Student Profile:	<ul style="list-style-type: none"> <li>• Admission notification in the College website, leading news papers and notice board.</li> <li>• Admission process transparent based on merit in</li> </ul>

  
3

	<ul style="list-style-type: none"> <li>qualifying examination, and availability of students.</li> <li>Reservation policy of the Govt. and the affiliating University is followed.</li> </ul>
22.2 Catering to the diverse needs:	<ul style="list-style-type: none"> <li>A mentoring system initiated during the year 2008-09.</li> <li>The College does not run bridge courses to make up for knowledge gaps.</li> <li>Catering to the students from disadvantaged sections.</li> </ul>
22.3 Teaching-Learning Process:	<ul style="list-style-type: none"> <li>Predominantly lecture-method of teaching.</li> <li>Use of ICT is limited.</li> <li>English language Laboratory established.</li> </ul>
22.4 Teacher Quality:	<ul style="list-style-type: none"> <li>Adequate number of qualified and experienced teachers, including those with Ph.D./M.Phil./NET qualified.</li> <li>Some of the teachers have participated in Refresher/Orientation programmes and participated in Symposia/Conferences.</li> <li>Most of the newly introduced courses are taught by teachers paid on Clock Hour basis.</li> </ul>
22.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> <li>The College follows rules and regulations of the affiliating University.</li> <li>A mechanism for Grievance redressal exists at the University level.</li> <li>Provision for requesting photocopy of answer-scripts and revaluation exists as per university regulation.</li> </ul>
22.6 Best Practices in Teaching-learning and Evaluation (If any):	<ul style="list-style-type: none"> <li>Students and teachers have access to Internet facility.</li> <li>Teachers evaluation by students has been started.</li> <li>Performance of students at the examination is good.</li> </ul>
<b>2.3 Research, Consultancy &amp; Extension:</b>	
23.1 Promotion of Research:	<ul style="list-style-type: none"> <li>A Research Academy established with a full time director to promote research</li> </ul>

  
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<p>23.2 Research and Publications Output:</p> <p>23.3 Consultancy:</p> <p>23.4 Extension Activities:</p> <p>23.5 Collaborations:</p> <p>23.6 Best Practices in Research, Consultancy and Extension (If any):</p>	<ul style="list-style-type: none"> <li>As many as 20 research projects funded by the UGC</li> <li>Good number of teachers possess research degrees and some are recognized by the University as research supervisors.</li> <li>Thirty four research papers and 5 books published.</li> <li>The College has a good number of on-going minor and a couple of major research projects.</li> <li>The College provides free consultancy in a few subjects.</li> <li>Camps on blood donation, wildlife conservation, AIDS awareness and environmental issues conducted.</li> <li>NSS organized aptitude test on Gandhian thoughts, collected donations for cancer patients, participated in "Mission India" drama and other activities.</li> <li>The Institution has signed two MoU with research centers in Israel and Mongolia.</li> <li>Establishment of a Research Academy.</li> <li>Department of Zoology and environmental science recognized by the University as a research centre.</li> <li>Few of the teachers have published research papers having good Impact Factor.</li> <li>Twenty ongoing research projects with a total outlay of Rs.51,38,700/-</li> <li>One of the teachers of the Department of Microbiology has obtained two patents.</li> </ul>
<p>2.4 Infrastructure and Learning Resources:</p> <p>2.4.1 Physical Facilities for Learning:</p>	<ul style="list-style-type: none"> <li>Physical infrastructure and ambience satisfactory</li> <li>Computer and projection facilities exist.</li> <li>Requisite number of class-rooms, equipped labs and seminar hall.</li> </ul>

2.4.2 Maintenance of Infrastructure:	<ul style="list-style-type: none"> <li>Infrastructure well maintained, especially the auditorium, which has been constructed after the first assessment and accreditation.</li> </ul>
2.4.3 Library as a Learning Resource:	<ul style="list-style-type: none"> <li>Library facilities have been partially augmented on the lines of recommendations of the earlier NAAC Assessment Report.</li> </ul>
2.4.4 ICT as Learning Resources:	<ul style="list-style-type: none"> <li>Computer-aided teaching is being encouraged.</li> </ul>
2.4.5 Other Facilities:	<ul style="list-style-type: none"> <li>Spacious Auditorium has been constructed.</li> <li>Ladies hostel under construction.</li> <li>Basic facilities for gym and a few indoor and outdoor games exist.</li> </ul>
2.4.6 Best Practices in the development of Infrastructure and Learning Resources (If any):	<ul style="list-style-type: none"> <li>Spacious Auditorium has been built.</li> <li>Laboratories equipped and well maintained.</li> </ul>
<b>2.5 Student Support and Progression:</b>	
2.5.1 Student Progression:	<ul style="list-style-type: none"> <li>Performance of the students at the annual examination in many of the Departments is better than that of the University.</li> <li>Nearly 25% of UG students progress for PG education.</li> </ul>
2.5.2 Student Support:	<ul style="list-style-type: none"> <li>Counseling is informal.</li> <li>Fee concession provided for the needy students.</li> </ul>
2.5.3 Student Activities:	<ul style="list-style-type: none"> <li>Alumni association activated.</li> <li>Annual College magazine published.</li> </ul>
2.5.4 Best Practices in Student Support and Progression (If any):	<ul style="list-style-type: none"> <li>College has maintained good cultural ethos and harmony.</li> </ul>
<b>2.6 Governance and Leadership:</b>	
2.6.1 Institutional Vision and Leadership:	<ul style="list-style-type: none"> <li>Committed Management with zeal and philanthropic disposition.</li> <li>Has a vision for value oriented quality education.</li> </ul>

*[Signature]*  
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	<ul style="list-style-type: none"> <li>Proactive management with defined plan for the growth of the institution.</li> </ul>
2.6.2 Organizational Arrangements:	<ul style="list-style-type: none"> <li>Good interaction between management, head of the Institution and other teaching and non-teaching staff.</li> </ul>
2.6.3 Strategy development and deployment:	<ul style="list-style-type: none"> <li>Qualified and experienced personnel faculty</li> </ul>
2.6.4 Human Resource Management:	<ul style="list-style-type: none"> <li>Various committees look after the functioning of respective sections.</li> </ul>
2.6.5 Financial Management and Resource Mobilization:	<ul style="list-style-type: none"> <li>Management encourages research activity</li> <li>Faculty encouraged to participate in symposia / conferences defraying travel grant and registration fee.</li> </ul>
2.6.6 Best Practices in Governance and Leadership (If any):	<ul style="list-style-type: none"> <li>Extramural funding is available.</li> <li>Periodic internal and external audit conducted.</li> </ul>
<b>2.7 Innovative Practices:</b>	
2.7.1 Internal Quality Assurance System:	<ul style="list-style-type: none"> <li>Committed leadership provided by the Management.</li> <li>Research Academy active.</li> </ul>
2.7.2 Inclusive practices:	<ul style="list-style-type: none"> <li>IQAC established and functional.</li> </ul>
2.7.3 Stakeholder Relationships:	<ul style="list-style-type: none"> <li>The College primarily caters to the educational needs of weaker sections of the society.</li> </ul>
	<ul style="list-style-type: none"> <li>Stake-holder relationship healthy.</li> <li>Alumni association formed.</li> </ul>

Section III: OVERALL ANALYSIS	Observations (Please limit to <i>five major ones</i> for each and use telegraphic language) (It is not necessary to denote all the five bullets for each),
3.1 Institutional Strengths:	<ul style="list-style-type: none"> <li>• Provides education to women students from urban, rural and other weaker sections of the society.</li> <li>• Qualified and experienced permanent faculty.</li> <li>• Reasonably good infrastructural facilities.</li> <li>• Committed management.</li> </ul>
3.2 Institutional Weaknesses:	<ul style="list-style-type: none"> <li>• Weak communication skills.</li> <li>• The College has space constrain<sup>st</sup> for developing sports field.</li> <li>• UGC grants have not been fully utilized.</li> </ul>
3.3 Institutional Challenges:	<ul style="list-style-type: none"> <li>• Fostering communicative and competitive skills in the students.</li> <li>• Interdisciplinary studies need be encouraged for enhancement of creativity.</li> <li>• Introduction of CAD-CAM in textile designing courses.</li> <li>• Re-training of non teaching employees.</li> </ul>
3.4 Institutional Opportunities:	<ul style="list-style-type: none"> <li>• Involving UG/PG students in research programs.</li> <li>• Developing good communicative skills in the students.</li> </ul>

**Section IV: Recommendations for Quality Enhancement of the Institution**

(Please limit to *ten major ones* and use telegraphic language)

(It is not necessary to indicate all the ten bullets)

- College may plan for a full fledge course in communicative English.
- Strengthening virtual learning resources and integration of ICT.
- Quality intensive knowledge flow is required.
- Improvements and expansion of the college website for greater interaction and learning.
- Full-fledged degree course in fashion design and music.
- Full and timely utilization of grants.
- Award/Reward/Recognition for best researchers.
- Greater emphasis is required on interdisciplinary courses.

Name and signatures with date

1. Prof. Bhoomitra Dev  
Former Vice-chancellor of the Universities at Gorakhpur,  
Bareilly, Agra and Aligarh  
Chairman
2. Prof. Bhaskar N. Joshi  
Professor, Department of Zoology, Gulbarga University,  
Gulbarga  
Member Coordinator
3. Dr. Geeta Tiwari  
Former, Principal, Govt College of Science, Raipur  
Member

*[Signature]*  
29.08.2010

*[Signature]*  
29/08/2010

*[Signature]*  
29.08.2010

I agree with the content of the report.

*[Signature]*  
29.08.10  
Dr. Pravin Charde  
Name, Signature of the Principal & Seal

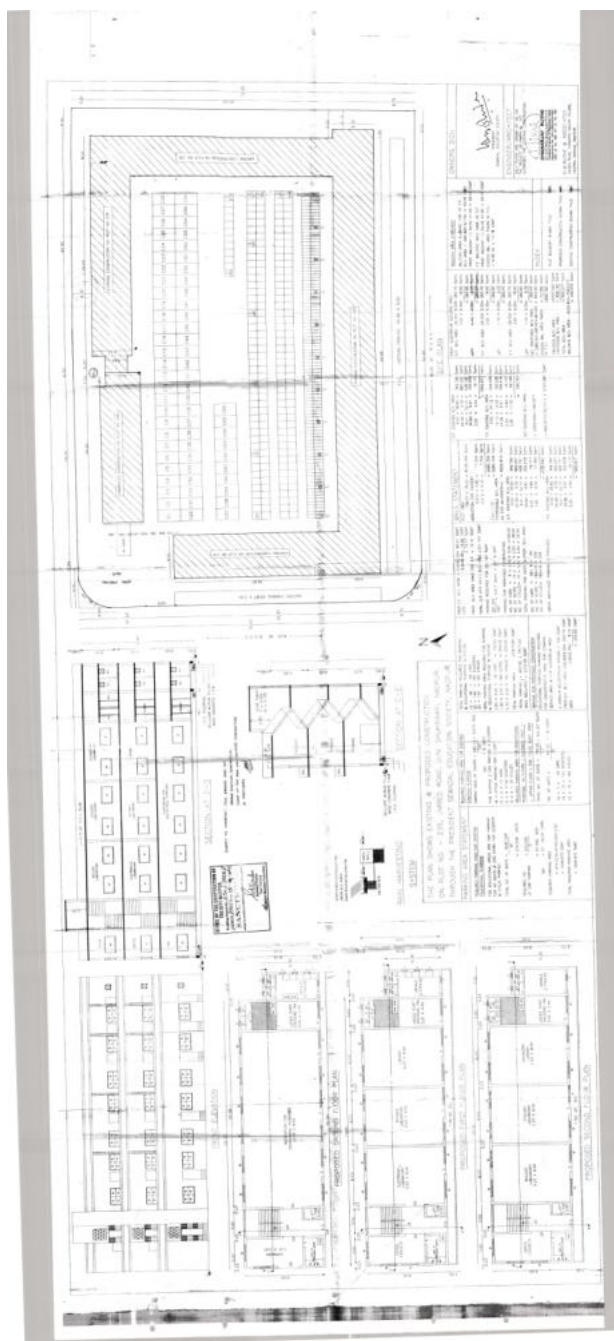
Place: Nagpur  
Date: August 29, 2010

**Principal**  
Sevadal Mahila Mahavidyalaya,  
Umreer Road, Nagpur-9





Annexure-VIII





## Annexure-X

## List of Subjects – Syllabus Revision

S. N.	Faculty/Year	Name of Subject	Year of syllabus Revision		
			I <sup>st</sup> Year	II <sup>nd</sup> year	III <sup>rd</sup> Year
1.	B.Sc. Science	Chemistry	2013-14	2014-15	2015-16
		Zoology	2013-14	2014-15	2015-16
		Botany	2013-14	2014-15	2015-16
		Microbiology	2013-14	2014-15	2015-16
		Environmental Science	2013-14	2014-15	2015-16
		Biotechnology	2013-14	2014-15	2015-16
		Physics	2013-14	2014-15	2015-16
		Computer Science	2013-14	2014-15	2015-16
		Mathematics	2013-14	2014-15	2015-16
2.	B.Sc. Home science	<b>B.Sc.-I</b>			
		1.Fundamentals of Food Science & Nutrition	2014-15		
		2. Fundamentals of Textile & Clothing	2014-15		
		3. Fundamentals of Home Sci. Extension	2014-15		
		4. Fundamentals of Human Development	2014-15		
		5. Fundamentals of Family Resource Management	2014-15		
		6. Ecology & Environment	2014-15		
		7. Basic Chemistry	2014-15		
		8. Applied Physics Basic Computer	2014-15		
		9. English & Communication Skills	2014-15		
		<b>B.Sc.-II</b>			
		1. Family & Community Nutrition		2015-16	
		2. Early Childhood Education & Management of Adolescent Development		2015-16	
		3. Textile Designing & Printing		2015-16	
		4. Interior Design & decoration		2015-16	
		5. Community Development & Management		2015-16	
		6. Applied Physiology		2015-16	
		7. Applied Chemistry		2015-16	
		8. Applied Physics & Computer Application		2015-16	
		<b>B.Sc.-III</b>			
		1. Diet Therapy			2016-17
		2. Family Dynamics and Counseling			2016-17
		3. Advanced Pattern Making & fashion Designing.			2016-17
		4. Resource Management			2016-17
		5. Extension training Management			2016-17
		6. Community Health And family welfare			2016-17
		7. Nutritional Biochemistry.			2016-17
3.	B.A. Arts	Compulsory English	2014-15	2015-16	2016-17
		Compulsory Marathi	2014-15	2015-16	2016-17
		Sociology	2013-14	2014-15	2015-16
		Political Science	2013-14	2015-16	2010-11
		Music	2015-16	2016-17	2017-18
		Marathi Literature	2014-15	2015-16	2016-17
		English Literature	2014-15	2015-16	2016-17
		Psychology	2010-11	2011-12	2012-13
4.	Science M.Sc.	Chemistry	2012-13	2013-14	
		Zoology	2012-13	2013-14	
		Environmental Science	2012-13	2013-14	
		(CBCS started from 2015-16 for M. Sc.-I)			



## Annexure-XI

## Participation of Teachers in Orientation/Refresher Courses in Last Five Years

S. N.	Name of Teacher	Department	Course Orientation/ Refresher	Duration	Name of University/ Institution
<b>2011-12</b>					
1	Dr. (Mrs.) A. S. Dhoble	Home Science Extension Education	Refresher Course in Home Science	01.12.2011 to 21.12.2011	RTM Nagpur University, Nagpur
2	Mr. A. V. Dorlikar	Zoology	Refresher Course in Life Science	06.02.2012 to 26.02.2012	RTM Nagpur University, Nagpur
<b>2012-13</b>					
3	Dr. S. L. Pal	Environmental Science	Refresher Course in Environmental Science	10.09.2012 to 30.09.2012	RTM Nagpur University, Nagpur
4	Dr. (Mrs.) N. A. Tiwade	Textile and Clothing	Refresher Course in Home Science	02.01.2013 to 22.01.2013	RTM Nagpur University, Nagpur
5	Dr. (Mrs.) H. A. Padole	Textile and Clothing	Refresher Course in Home Science	02.01.2013 to 22.01.2013	RTM Nagpur University, Nagpur
6	Dr. (Mrs.) A. R. Ratkanthiwar	Human Development	Refresher Course in Home Science	02.01.2013 to 22.01.2013	RTM Nagpur University, Nagpur
7	Dr. A. K. Rathod	Chemistry	Refresher Course in Environmental Science	10.09.2012 to 30.09.2012	RTM Nagpur University, Nagpur
8	Mrs. S. R. Nimbarte	Microbiology	Refresher Course in Life Science	20.02.2013 to 12.03.2013	RTM Nagpur University, Nagpur
9	Dr. (Mrs.) J. S. Dahegaonkar	Zoology	Refresher Course in Life Science	20.02.2013 to 12.03.2013	RTM Nagpur University, Nagpur
10	Dr. (Mrs.) J. B. Tirpude	Zoology	Refresher Course in Environmental Science	10.09.2012 to 30.09.2012	RTM Nagpur University, Nagpur
11	Dr. (Mrs.) S. D. Bhoyar	Resource Management	Refresher Course in Home Science	02.01.2013 to 22.01.2013	RTM Nagpur University, Nagpur
12	Mrs. J. S. Ramteke	Household Biology	Refresher Course in Life Science	20.02.2013 to 12.03.2013	RTM Nagpur University, Nagpur
13	Dr. (Mrs.) P. P. Chahande	Chemistry	Refresher Course in Environmental Science	10.09.2012 to 30.09.2012	RTM Nagpur University, Nagpur
14	Dr. P. R.	Microbiology	Refresher	10.09.2012 to	RTM Nagpur

	Bhandari		Course in Environmental Science	30.09.2012	University, Nagpur
15	Dr. S. G. Rokade	Librarian	Refresher Course in Library	09.01.2012 to 30.01.2012	ASC Gujarat University, Gujarat
16	Dr. (Mrs.) M. M. Johrapurkar	Food and Nutrition	Refresher Course in Home Science	02.01.2013 to 22.01.2013	RTM Nagpur University, Nagpur
17	Ms. R. M. Dhandekar	Political Science	Refresher Course in Political Science	10.06.2012 to 08.07.2012	RTM Nagpur University, Nagpur
<b>2013-2014</b>					
18	Dr. (Mrs.) B. S. Tapase	Environmental Science	Refresher Course in Environmental Science	21.11.2013 to 11.12.2013	RTM Nagpur University, Nagpur
19	Dr. S. V. Pise	Marathi	Refresher Course in Marathi	18.07.2013 to 07.08.2013	RTM Nagpur University, Nagpur
20	Dr. R. D. Gadewar	Household Biology	Refresher Course in Life Science	05.03.2014 to 25.03.2014	RTM Nagpur University, Nagpur
21	Dr. (Mrs.) K. V. Dubey	Microbiology	Refresher Course in Life Science	05.03.2014 to 25.03.2014	RTM Nagpur University, Nagpur
22	Mrs. J. D. Kamble	Food and Nutrition	Orientation Programme	19.02.2014 to 18.03.2014	RTM Nagpur University, Nagpur
23	Mr. T. S. Madankar	Music	Orientation Programme	19.02.2014 to 18.03.2014	RTM Nagpur University, Nagpur
<b>2014-2015</b>					
24	Dr. S. L. Pal	Environmental Science	Refresher Course in Life Science	23.02.2015 to 15.03.2015	RTM Nagpur University, Nagpur
25	Dr. (Mrs.) N. A. Tiwade	Textile and Clothing	Refresher Course in Home Science	12.11.2014 to 02.12.2014	RTM Nagpur University, Nagpur
26	Mrs. S. R. Nimbarte	Microbiology	Refresher Course in Life Science	23.02.2015 to 15.03.2015	RTM Nagpur University, Nagpur
27	Dr. (Mrs.) S. D. Bhoyar	Resource Management	Refresher Course in Home Science	12.11.2014 to 02.12.2014	RTM Nagpur University, Nagpur
28	Mrs. J. S. Ramteke	Household Biology	Refresher Course in Life Science	23.02.2015 to 15.03.2015	RTM Nagpur University, Nagpur

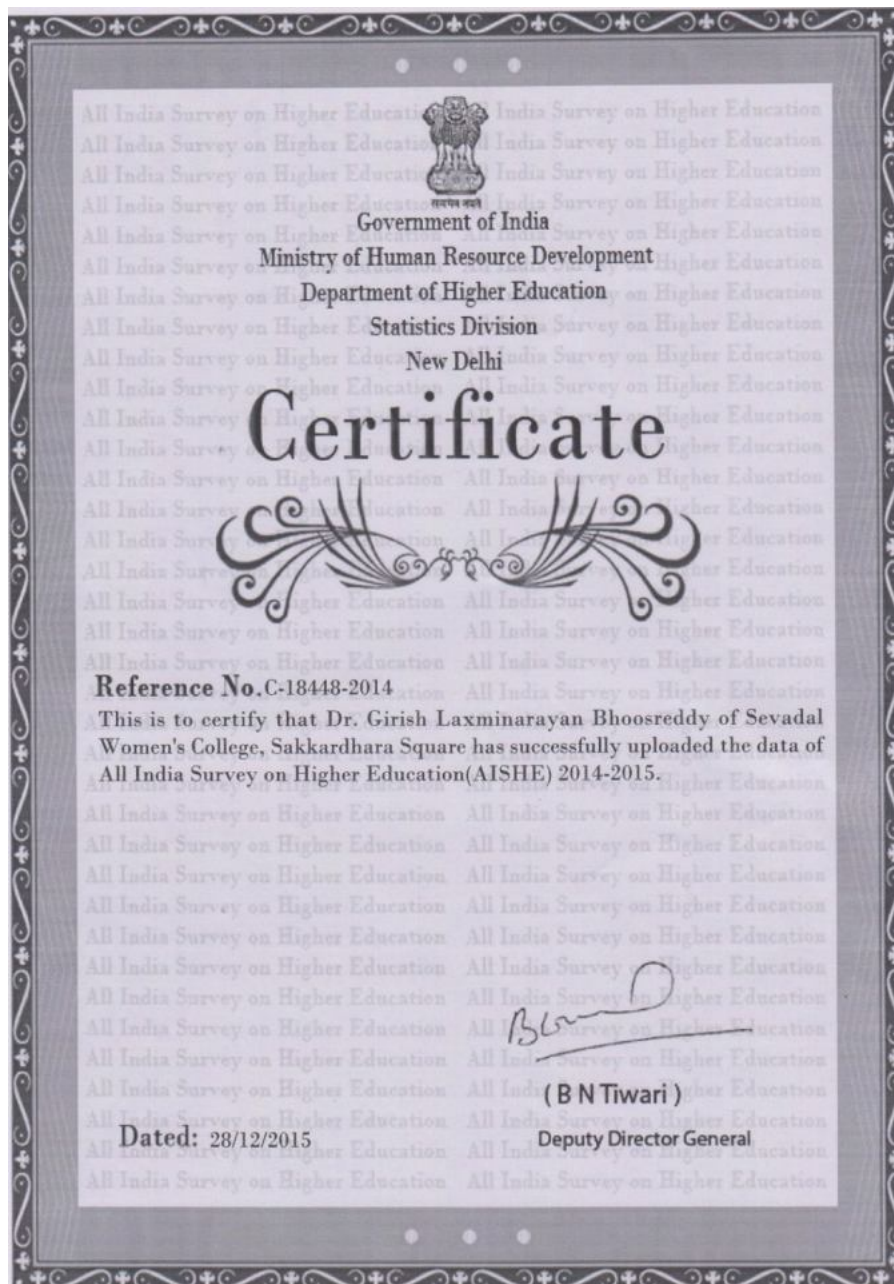
29	Dr. (Mrs.) M. M. Joharapurkar	Food and Nutrition	Refresher Course in Home Science	12.11.2014 to 02.12.2014	RTM Nagpur University, Nagpur
30	Mr. S. G. Meshram	Marathi	Refresher Course in Marathi	20.08.2014 to 09.09.2014	RTM Nagpur University, Nagpur
31	Mr. J. K. Pendse	Sociology	Refresher Course in Sociology	20.08.2014 to 09.09.2014	RTM Nagpur University, Nagpur
32	Mr. A. V. Dorlikar	Zoology	Refresher Course in Life Science	23.02.2015 to 15.03.2015	RTM Nagpur University, Nagpur
33	Ms. R. M. Dhandekar	Political Science	Refresher Course in Political Science	03.11.2014 to 23.11.2014	RTM Nagpur University, Nagpur
34	Mrs. A. M. Duragkar	Chemistry	Refresher Course in Chemical Science	23.02.2015 to 15.03.2015	RTM Nagpur University, Nagpur
35	Dr. (Mrs.) P. A. Chinchkhede	Home Economics	Refresher Course in Home Science	12.11.2014 to 02.12.2014	RTM Nagpur University, Nagpur
36	Mr. P. M. Gajbhiye	English	Orientation Programme	28.01.2015 to 24.02.2015	RTM Nagpur University, Nagpur
<b>2015-2016</b>					
37	Dr. (Mrs.) H. A. Padole	Textile and Clothing	Refresher Course in Environmental Studies	02.12.2015 to 22.12.2015	RTM Nagpur University, Nagpur
38	Dr. (Mrs.) A. R. Ratkanthiwar	Human Development	Refresher Course in Environmental Studies	02.12.2015 to 22.12.2015	RTM Nagpur University, Nagpur
39	Mr. J. K. Pendse	Sociology	Refresher Course in Sociology	02.12.2015 to 22.12.2015	RTM Nagpur University, Nagpur
40	Mr. A. V. Dorlikar	Zoology	Refresher Course in Environmental Studies	02.12.2015 to 22.12.2015	RTM Nagpur University, Nagpur
41	Dr. (Mrs.) K. V. Dubey	Microbiology	Refresher Course in Life Sciences	01.10.2015 to 21.10.2015	RTM Nagpur University, Nagpur

## Annexure-XII

## List of Major/Minor Research Project Grants

S. N.	Name of Teachers	Funding agency	Amount sanctioned	Amount received	Completed / ongoing
<b>Major Research Projects</b>					
1	Dr. P.N. Charde	UGC	8,01,800/-	5,52,800/-	Completed
2	Dr. P.N. Charde & Dr. A.P. Lambat	UGC	10,61,800/-	7,92,800/-	Completed
3	Dr. (Mrs.) K. V. Dubey	UGC	10,02,800/-	7,38,800/-	Completed
4	Dr. G. L. Bhoosreddy and Dr. (Mrs.) K.V. Dubey	UGC	5,54,300/-	3,00,300/-	Completed
5	Dr. (Mrs.) S. V. Kulkarni	UGC	8,42,361/-	8,42,361/-	Completed
6	Dr. (Mrs.) A.S. Mahakalkar	UGC	9,82,800/-	9,21,200/-	Ongoing
<b>Minor Research Projects</b>					
1	Dr. (Mrs.) S. V. Kulkarni	UGC	1,00,000/-	1,00,000/-	Completed
2	Dr. V. S. Dongre	UGC	1,00,000/-	80,000/-	Completed
3	Dr. (Mrs.) A.S. Mahakalkar	UGC	1,10,000/-	1,10,000/-	Completed
4	Dr. (Mrs.) N. S. Dhoble	UGC	2,00,000/-	2,00,000/-	Completed
5	Dr. P. U. Meshram	UGC	1,30,000/-	85,000/-	Completed
6	Dr. (Mrs.) B. S. Tapase	UGC	1,20,000/-	80,000/-	Completed
7	Dr. S. L. Pal	UGC	1,75,000/-	1,45,000/-	Completed
8	Dr. P. R. Bhandari	UGC	80,000/-	62,500/-	Completed
9	Dr. P.N. Charde	UGC	1,00,000/-	85,000/-	Completed
10	Dr. (Mrs.) S. D. Bhoyar	UGC	1,05,000/-	1,05,000/-	Completed
11	Dr. (Mrs.) M.M. Johrapurkar	UGC	23,000/-	23,000/-	Completed
12	Mrs. J. D. Kamble	UGC	1,00,000/-	75,000/-	Completed
13	Dr. (Mrs.) A.R. Ratkanthiwar	UGC	55,000/-	35,000/-	Completed
14	Dr. (Mrs.) A. S. Dhoble	UGC	75,000/-	55,000/-	Completed
15	Dr. R. D. Gadewar	UGC	80,000/-	55,000/-	Completed
16	Mrs. J. S. Ramteke	UGC	70,000/-	55,000/-	Completed
17	Dr. (Mrs.) H. A. Padole	UGC	1,45,000/-	1,27,500/-	Completed
18	Dr. (Smt.) S. S. Mandaogade	UGC	1,15,000/-	92,500/-	Completed
19	Mr. N. A. Khandekar	UGC	95,000/-	62,500/-	Completed
20	Mr. J. K. Pendse	UGC	1,05,000/-	82,500/-	Completed
21	Mrs. S. D. Kolarkar	UGC	80,000/-	67,500/-	Completed
22	Dr. S. G. Rokade	UGC	90,000/-	75,000/-	Completed
23	Mrs. S. R. Nimbarte	UGC	1,05,000/-	57,500/-	Ongoing
24	Dr. A.S. Mohite	UGC	2,50,000/-	-	Sanctioned
25	Dr. (Mrs.) M.M. Johrapurkar	UGC	2,65,000/-	-	Sanctioned
26	Dr. (Mrs.) N. A. Tiwade	UGC	3,10,000/-	-	Sanctioned
27	Mr. N. A. Khandekar	UGC	1,60,000/-	-	Sanctioned
28	Prof T. S. Madankar	UGC	2,30,000/-	-	Sanctioned
29	Mr. P. M. Gajbhaye	UGC	90,000/-	-	Sanctioned

Annexure-XIII





**MILESTONES.....**

- 2015 Research Centre in Chemistry & Microbiology
- 2012 P. G. Diploma in Ornithology
- 2008 P. G. Diploma in Environmental Biotechnology
- 2007 Post Graduate Department in Chemistry
- 2005 Research Centre in Zoology & Environmental Science
- 2005 B. Sc. Biotechnology
- 2003 Department of Information Technology
- 2001 Post Graduate Department in Zoology and Environmental Science
- 1998 Senior College of Arts Faculty
- 1996 Senior College of Home Science Faculty
- 1993 Junior College of Arts
- 1992 Senior College of Science Faculty.

