

BHALERAO SCIENCE COLLEGE

SAONER - 441107

District-Nagpur (Maharashtra)

(Affiliated to RTM Nagpur University, Nagpur)

SELF STUDY REPORT (SSR)

(For 2nd Cycle Re-accreditation)

Submitted to

**NATIONAL ASSESSMENT & ACCREDITATION
COUNCIL (NAAC), Bangalore - 560072**

by

Bhalerao Science College, Saoner

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PREFACE

It gives me immense pleasure to submit the self study report (SSR) of our institution for II cycle reaccreditation for quality sustenance, and, improvement. Our self study report reflects a realistic profile of the ground realities of our institution.

It encompasses institutional profile, executive summary, criteria – wise evaluation summary, criteria – wise evaluation report and departmental inputs. It is pertinent to note that our institution is the single faculty college, exclusively concerned with the education of the science courses like B.Sc (PCM, CBZ, CS groups), &, BCA.

In the annals of Indian History, Saoner has attained great historical, educational, political and religious significance. Saoner is famous for Late Shri.Ram Ganesh Gadkari. He was an illustrious Marathi poet, play writer and humorist from Maharashtra, India.He breathed his last in Saoner.

Saoner is also a renowned educational hub of this part of the state.The students from the moffusil areas of this tehsil, and, also from the nearby M.P.State come to Saoner for education purpose. Adasa, a small village located at a distance of 5kms from Saoner is well-known for several ancient and magnificent temples. The main temple located there is the ancient Shami Vighnesh-the Adasa Ganesh Temple which is one of the eight Ashta – Vinayaks of Vidarbha region of the Maharashtra state.

Imparting science education to the socially backward sections of the society has been our cherished dream and keeping this in mind, our college is ceaselessly marching toward the accomplishment of quality in higher education. Since the establishment of the college in 1993, the college has maintained the tradition of scoring higher success rate in University examinations.

Our college had undergone the NAAC accreditation process successfully in the year 2004 and, was accredited with C++ grade. Our institution has also fulfilled the NAAC Peer Team's recommendations.

I would like to put on record that, it is because of the unflinching support rendered to me by the coordinator and the steering committee, the completion of the report materialized within the stipulated time.

For the second cycle of the accreditation process we have fulfilled the following:

1. Functional IQAC.
2. Functional college website.
3. Submission of AQAR of last five years.
4. Submission of the LOI.

We are eager to welcome the ensuing NAAC peer team with a renewed hope and optimism for getting the better grade in the II cycle of the accreditation process.

Mr.M.P.Barbate
Officiating Principal
Bhalerao Science College,
Saoner.

The SWOC analysis of the institution.

The SWOC analysis of the institution was done in due consultation with the members of the teaching staff. Following are the details:

STRENGTH:

1. The college is recognised by the UGC under the 2(f) & 12(B)
2. Qualified and well experienced teaching staff.
3. Adequate infrastructure.
4. Remedial coaching facility available for students.

WEAKNESS:

1. The second cycle of the accreditation process happening behind schedule.
2. Poor utilization of UGC's funds.

OPPORTUNITY:

1. The college can demand more funds from the UGC for the development of college.
2. The college can achieve the status of centre of excellence for the science education.

CHALLENGES:

1. In case the college fails to minimise the weaknesses, then the development of the institution will hamper.

BHALERAO SCIENCE COLLEGE, SAONER

NAAC Steering Committee (For reaccreditation)

1. Chairperson : Mr.M.P.Barbate, (Zoology)
Officiating Principal
2. Coordinator : Dr.P.S.Athavale. (Botany)
3. Heads of the department : Dr.S.P.Dongre (Physics)

Mr.R.H.Bhake (Mathematics)

Dr.P.R.Kakde (Chemistry)

Dr.V.D.Doifode (Botany)

Dr.S.M.Sakharkar (Librarian)

Dr.R.K.Banerjee (Physical education)

PROFILE OF THE COLLEGE

PROFILE OF THE COLLEGE

1. Name and Address of the College:

Name:	Bhalerao Science College, Saoner		
Address:	Saoner, Nagpur road, Saoner. District: Nagpur		
City: Saoner	Pin: 441107	State: Maharashtra	
Website:	www.bscaoner.in		

2. For Communication:

Designation	Name	Telephone With STD code	Mobile	Email
Principal (Officiating)	Mr.M.P.Barbate	O:07113-233220 R:-----	9890481901	bscaoner_1993@rediffmail.com
Vice Principal	NA	O - R		
Steering Commit tee	Dr. P.R. Kakde	O:07113233220	9890140162	prakash_kakde@yahoo.com
Coordinator	Dr. P.S.Athavale	O:07113233220	9975451726	pathavale@yahoo.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?

No

If yes specify the minority status (Religious/linguistic/any other) and provide documentary evidence. **NA**

6. Sources of funding:

Government

Grant-in-aid

Self-financing

Any other

7. a. Date of establishment of the college:

08/07/1993

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: As per the order F.8-363/2006(CPP-I) dated 14th April 2007, the college is eligible to receive central assistance in terms of the Rules framed under section 12(B) of the UGC Act. 1956

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i.2(f)	14/04/2007	The college is eligible to receive central assistance in terms of the Rules framed under section 12(B) of the UGC Act. 1956
ii.12(B)	14/04/2007	

(Enclose the Certificate of recognition u/s 2(f) and 12(B) of the UGC Act)[**Annexure.I**]

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

NA

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i. NA	NA	NA		
ii. NA	NA	NA		
iii. NA	NA	NA		
iv. NA	NA	NA		

(Enclose the recognition /approval letter)

8. Does the affiliating University Act provide for confirmation for 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 UGC as a College with Potential for Excellence (CPE)?

Yes No

If yes, date of recognition:....NA.....

b. for its performance by any other governmental agency?

Yes No

If yes, Name of the agency... **NA**and

Date of recognition:..... **NA**

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

Location*	Rural
Campus area	8000 sq. mts
Built up area	1778.30 sq.mts

(*Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

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 **Yes**
- Sports facilities
 - * Play ground **Yes**
 - * swimming pool **No**
 - * Gymnasium **Yes**
- Hostel **No**
 - *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)
 - * Working women's hostel
 - i. Number of inmates
 - ii. Facilities (mention available facilities)
- Residential facilities for teaching and non-teaching staff (give numbers available—cadre wise) **No**

- Cafeteria— **No**
- Health centre— **No**

First aid, Inpatient, Outpatient, Emergency care facility, **No**

Ambulance.....Health centre staff—

Qualified doctor Fulltime Part-time

Qualified Nurse Fulltime | Part-time

- Facilities like banking, post office, book shops **No**
- Transport facilities to cater to the needs of students and staff **No**
- Animal house **No**
- Biological waste disposal **No**
- Generator (Inverter) or other facility for management/regulation Of electricity and voltage - **Yes**
- Solid waste management facility **Yes**
- Waste water management **No**
- Water harvesting **Yes**

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

Sl. No.	Program Level	Name of the Program/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1	Under-Graduate	B.Sc. I	One year	12 th pass	English	120 + 24*	140
2	Under-Graduate	B.Sc.II	One year	B.Sc. I pass or ATKT	--- do----	NA	125
3	Under-Graduate	B.Sc.III	One year	B.Sc.II pass or ATKT	--- do----	NA	109
4	Under-Graduate	B.C.A. III	One year	B.C.A.II pass or ATKT	--- do----	120	08

* -Additional strength sanctioned by affiliating University for the session 2015-16.

13. Does the college offer self- financed Programs?

Yes No

If yes, how many?

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

Yes		No	✓	Number	
-----	--	----	---	--------	--

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 programs. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (e.g. Physics, Botany, History etc.)	UG	PG	Research
Science	Physics, Chemistry, Mathematics, Botany, Zoology, Computer Science.	Under-Graduate	---	-

16. Number of Programmes offered under (Programme means a degree course like BA, B.Sc, MA, M. Com...)

a. annual system ✓

b. semester system ✓

c. trimester system

17. Number of Programmes with

a. Choice Based Credit System Nil

b. Inter/Multidisciplinary Approach Nil

c. Any other (specify and provide details)

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

Yes No

If yes,

a. Year of Introduction of the programme (s).....**NA**..... (dd /mm/yyyy)
and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No: **NA**

Date: **NA**

Validity: **NA**

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes No

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

Yes No

If yes,

a. Year of Introduction of the programme (s) **NA**
and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.: **NA**

Date: **NA**

Validity: **NA**

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes No

20. Number of teaching and non-teaching positions in the Institution (2014-15)

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/University/ State Government <i>Recruited</i>	-	-	-	-	9	4	11	2	-	-
<i>Yet to recruit</i>	-	-	-	-	1		-	-	-	-
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	-	-	-	-	3	1	2	-	-	-
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	--	

*M-Male*F-Female

21. Qualifications of the teaching staff (2014-15) :(With CAS)

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers (Including Principal)							14
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	1	-	3	1	3	2	10
M.Phil.	-	-	1	0	0	0	1
PG	-	-	1	-	1	1	3
Temporary teachers							
Ph.D.	-	-	-	-	-	-	-
M. Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	3	1	4
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

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

0

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

Categories	Year1 (11-12)		Year2 (12-13)		Year3 (13-14)		Year 4 (14-15)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	9	13	4	18	6	29	07	36
ST	1	0	1	2	0	1	00	01
OBC	24	90	34	112	21	132	21	183
NT	00	8	00	10	3	13	03	16
General	10	30	8	39	10	44	08	26
Others(Muslim)	00	1	00	1	00	2	00	02
SBC	4	6	2	7	1	10	00	16

24. Details on students enrollment in the college during the current academic Year (2015-16):

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same State where the college is located	354	-----	-----	-----	354
Students from other states of India	28	-----	-----	-----	28
NRI students	-----	-----	-----	-----	----
Foreign students	-----	-----	-----	-----	----
Total	382				382

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

UG : 1.30% PG : NA

26. Unit Cost of Education (Session 2014 – 2015)

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

(a) Including the salary component

Rs.

Rs.71421/-

(b) Excluding the salary component

Rs.

Rs.19488/-

27. Does the college offer any programmes in distance education mode (DEP)?

Yes No

If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes No

b) Name of the University which has granted such registration.

NA

c) Number of programmes offered

NA

d) Programmes carry the recognition of the Distance Education Council.

Yes No

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

Programme Session 2015- 2016	PCM	CBZ	Computer science	Total
B.Sc.I	1:8.33	1:8.33	1:7.66	1:12.73
B.Sc.II	1:10	1:10	NA	1:12
B.Sc.III	1:6.33	1:6.17	1:7	1:10

29. Is the college applying for

Accreditation: Cycle1 Cycle2 Cycle3 Cycle4

Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)

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

Cycle 1: 16/9/2004 Accreditation Outcome/Result...**Graded with C⁺⁺**

Cycle 2: (dd/mm/yyyy) Accreditation Outcome /Result.....

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

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

[Annexure. II] COPY OF PEER TEAM REPORT

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

230

32. Number of teaching days during the last academic year

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

204

33. Date of establishment of Internal Quality Assurance Cell (IQAC) IQAC

23/07/2005

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

AQAR (i)(2009-2010) (11/04/2016)

AQAR (ii)(2010-2011) (11/04/2016)

AQAR (iii)(2011-2012) (16/04/2016)

AQAR (iv) (2012-2013) (16/04/2016)

AQAR (v) (2013-2014) (21/04/2016)

AQAR (vi) (2014-2015) (21/04/2016)

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

BHALERAO SCIENCE COLLEGE, SAONER

Composition of the IQAC

1. Mr.M.P.Barbate-Chairman
2. Dr.Arvind Joshi-External expert
3. Dr.Singru-External expert
4. Dr.P.S.Athavale-Coordinator
5. Dr.S.P.Dongre-Member
6. Dr.P.R.Kakde-Member
7. Dr.P.M.Salve-Member
8. Dr.V.D.Doifode-Member
9. Shri.D.M.Bawane-Member

C. Criteria-Wise Inputs

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:

Bhalerao Science College aspires to have a transformational impact on students through comprehensive education by inculcating qualities of competence, confidence and excellence.

Mission:

- To install scientific zeal and develop human resource to contemporary challenges.
- To facilitate young adult learners with opportunities to hone their ethics and leadership potential.
- To sensitize learners towards inclusive social concerns, human rights, gender and environmental issues.

Objectives:

The objective and goals of the parent society in the establishment of the college is

1. To make available the higher education in science to needy, economically and socially backward and rural students.
2. To develop scientific temperament among the learners of this region to enable them in joining the National mainstream for marching ahead with scientific and technological advancement.
3. To bridge gap between rural and urban learner.

Communication to Stakeholders:

The Local Management committee (LMC), and, the college development council (CDC) are two main important decision making bodies of the institution. In the meetings of these committees, discussion on key issues which are in tune with the vision and mission of the institution takes place. Decision/s taken in such committees are communicated properly to the students by displaying notices on the notice board and making announcements in the class rooms. The following measures are taken to communicate the vision, mission and objectives of the college to the stakeholders:

- It is communicated to the students through college prospectus, college notice board, and, during the Students' meeting/s.
- The vision and mission statement of the college is also displayed in the office of the Principal of the college.

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)

The college meticulously develops action plans for effective implementation of the curriculum. In the beginning of the session, the Principal of the college convenes the meetings of the staff members, and, sometimes of various departmental heads to plan for effective implementation of the curriculum. The Annual College Calendar is prepared. Teachers are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, computer education apart from regular/traditional teaching methods. Thereafter, the staff members of various teaching departments conduct their internal meetings and develop academic plans for the coming academic year. Various departments plan its annual academic schedule which clearly mentions the topics to be taught and no. of working days allocated to respective topics, the amount of syllabus to be tested in various class tests, terminal or half yearly exams.

Thus, at this stage, the Annual Academic Calendar of the department is prepared. Keeping in view, the no. of working days available, the syllabus is divided into units which are to be finished by a given

deadline. Each department of the college follows the Annual College calendar and Annual Academic Calendar issued by the college and RTM Nagpur University respectively.

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 curriculum prepared by the Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, to which the college is affiliated, is well communicated to the students after serious preparation as well as critical thought by the teachers concerned. Being an affiliated institution we are always in tune with the latest trends in education and guidelines issued by the affiliating University.

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur regularly organizes refresher courses, orientation programs and workshops to keep the knowledge and teaching aptitude of the teachers updated. The faculty of the college is given freedom to discuss their issues or problems, if any, while participating in the meetings of the Board of Studies. The College also encourages the teachers to participate in the Orientation/Refresher Courses/Workshops/Seminars organized by the affiliating University to update the knowledge and to improve the teaching practices.

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.

Though the curriculum is designed and revised by the RTM Nagpur University, but, for effective curriculum delivery, we give weightage to academic improvement and at the same time give sufficient importance to overall development of students by encouraging them to work with various forums of the college such as Student Council, NSS, and in the activities held in the college.e.g.Students' seminar competition, Quiz competition, Cultural & sports etc.

The college relies upon the globally trusted and followed teaching strategy, i.e., the chalk and talk method. However, the college and the teaching faculty have taken initiatives for effective delivery of the curriculum by way of models, charts, field visits etc. The College faculty is trained by the computer department to make them familiar with the use of computers so that they are able to use the modern technological resources such as internet, LCD projectors and OHP's etc. to supplement their class room lectures. In addition to the regular subject classes, the college also organizes special lectures by inviting experts from various fields to share their knowledge with the students. The college also organizes special Personality Development Programs for its students. The students are also taken out for educational tours such as National Parks, Industries, exhibition, and places of Historical importance to provide them a firsthand knowledge of various things. Furthermore, for effective curriculum delivery, the college has got the provision of special/ remedial classes for slow learners.

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

Industry:

The college has set up a Career guidance and Placement cell which maintains professional relations with the representatives of industry. Executives of various companies are invited to the college campus to interact with the students.

Research Bodies:

To keep the research temper alive in the campus, research Scholars from various fields are invited to the college to motivate the students to take up research projects in their further studies. The faculty members of the college are also motivated to take up research projects initiated by the affiliating University or the UGC. Faculty members on their own also keep on interacting with various research bodies and participate in various research projects.

University:

The faculty members of the college are in touch with their counter parts at the affiliating University and get latest information regarding their own respective subjects. They keep on visiting the parent University from time to time to keep themselves abreast of the latest trends in their field of study. They have also access to the Journals and Magazines available in various teaching departments of the University. Further, Professors from the parent University campus are also invited to the college from time to time to give seminars and talks to the faculty members and the college students.

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, and stakeholder feedback provided, specific suggestions etc.)

Though the college faces a few constraints to modify the syllabus on its own, yet the affiliating University has a system in place to get recommendations from its affiliated colleges through Board of Studies. A few faculty members of the college represent the academic bodies of the RTM Nagpur University Nagpur, who regularly participate in the process of syllabus design. Our teachers also participate in the discussions relating to the curriculum design and also participate in workshops organized by the University. Whenever they find that the syllabus needs to be modified to meet the present trends, they communicate their ideas in black and white to their respective Members of board of Studies.

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.

The college does not enjoy the freedom to frame its own curriculum for any of the academic programs.

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

Once the academic session is in full swing and all the action plans are laid down, then the plan is followed, and, the college at various points takes stock of the effectiveness of these action plans. Also, the college ensures that during the course of implementation, the stated objectives of the curriculum are achieved. To do this, various tests, half yearly exams are conducted to monitor the outcome of the syllabus. Systematic documentation is maintained to review the outcomes of the curriculum.

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.**

Keeping in mind the growing needs at state, national and global level and considering the unprecedented need of making the environment eco-friendly, the college imparts education at Under Graduate Level in Science. Apart from regular courses which are duly affiliated with the RTM Nagpur University Nagpur, the college also offers certain Skill Development courses to enhance the students' knowledge. Courses like Communication Skills, Personality Development, and Yoga for physical fitness are also provided to students of all classes to hone their interpersonal skills.

1.2.2 Does the institution offer programmes that facilitate twinning/dual degree?

If 'yes', give details.

College at its own level does not offer dual degree programmes. But the college support to the students & staff pursuing certificate course in vocational programmes from YCMOU or any other distance

education centre in terms of guidance. They are also allowed to get the services of college library and Computer Labs as and when required.

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:

The college offers B.Sc.in the subjects viz. Physics, Chemistry, Mathematics (PCM) & Chemistry, Botany, Zoology (CBZ), BCA, & Computer Science courses to keep the students abreast of this fast changing technological world. All these courses definitely develop competitive skills among the students that in turn help them progress in higher studies. Their potential for getting placement is enhanced by the courses offered and activities conducted by the college.

- Range of Core/Elective options offered by the University and those opted by the college

The RTM Nagpur University Nagpur does not give academic flexibility to the affiliated institutions for elective options other than duly framed University syllabus.

- Choice Based Credit System and range of subject options

The courses are offered as per modules prepared by the RTM Nagpur University Nagpur,

- Courses offered in modular form

Courses are provided unit wise and are arranged in the modular form at department level by academic committees comprising of HOD's, staff and Principal. The modules so arranged are also used for testing the students in the exams, (1st Terminal, 2nd Terminal and Unit tests).

- Credit transfer and accumulation facility

No credit transfer and accumulative facility exists.

- Lateral and vertical mobility within and across programmes and courses

No facility for lateral and vertical mobility within and across program and courses. According to University guideline, students are allowed to join next year class under ATKT rule.

- Enrichment courses

The existing courses are enriched by preparing the students to design the presentations related to theory work. To add to this, guest lectures by the experts are also organized from time to time to update the knowledge of our students.

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

The college offers the following self-financed programmes recognized by the UGC and affiliated with RTM Nagpur University Nagpur.

Name of the Self-Financed Programme:

1. B.Sc. Computer Science
2. B.C.A

Admissions:

Admission is done on merit as per guidelines of the RTM Nagpur University Nagpur.

Curriculum:

The curriculum is designed by the affiliating RTM Nagpur University Nagpur and implemented by the College through the well prepared socially committed patterns of instructions. Teaching aids like LCD projectors, OHP, Computer and audio equipments are frequently used for effective planning, implementation and delivery of the curriculum.

Fee Structure:

The fee structure is recommended by the RTM Nagpur University Nagpur and charged from the students accordingly. Fee structure for self-financed programs is on a higher side as compared to the regular courses

Teachers' Qualifications: The UGC's guidelines on qualification of teachers are mandatory.

Salary: As per the norms of the UGC/Maharashtra Government & RTM Nagpur University Nagpur.

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 regularly conducts Personality Development Programmes which enhance the IQ level and communication skills of the participants. The college also invites Guest speakers from the industry which provides regional and global employment opportunities for the students. Special classes are taken for communication skills taking into considerations the rural background of the students.

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 University does not allow the flexibility of combining conventional face to face and 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 institution being an affiliated college to the RTM Nagpur University Nagpur does not have the freedom of formulating its own curriculum. Still, the courses run at UG levels have their relevance to the institution's goals and objectives. The college aims to impart such knowledge as may be necessary for the all-round development of the character of students thereby making them capable of being better employed and at par with the highly competitive job markets. To make up any deficiencies, the college supplements the University's Curriculum by imparting special training like Personality Development. The college has also started UGC Sponsored Remedial classes for the empowerment of SC, ST and other backward classes. The college ensures that the University's Curriculum is followed in the best of the spirit. The college calendar is prepared at the beginning of every academic session by the relevant committee with the active involvement of staff. The Principal makes sure that the curriculum framed by the University is supplemented in such a way that it reflects "*the Mission and the Vision*" of the college. At UG level, the college follows the University's instructions, offers a compulsory paper in the name of 'Environmental Education'. This paper has been designed and developed by the great academicians. The syllabus of this paper is framed in such a way by the University that ecology and environment protection and preservation, value orientation, global and national demands have made their entry significantly in the course of studies.

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?

As discussed in point 1.3.1, the college strictly adheres to the syllabus designed by RTM Nagpur University Nagpur but while delivering this syllabus content to the students, our faculty enrich it with their own expertise and experience so that the students also gain employable qualities that enable them get jobs in this highly competitive world. The training and placement cell of the college regularly interacts with the executive of companies and collects firsthand information about the demands and expectations of the corporate sector regarding skill set of students. The task of framing of curriculum of the college, as stated earlier is in the hands of its affiliating University i.e. RTM Nagpur University.

The institution can only enrich and organize the curriculum by supplementing it with extra courses (discussed in point 1.3.1) so that the students are benefited in the best possible manner.

The institution has taken measures to cater to the global market needs based on the true assessment of strengths and services offered in the campus. To develop the required skills, brainstorming sessions are held for the faculty to design the tools in the areas of Spoken English, use of computers and providing in-depth knowledge in the respective subjects. Under the guidance of various committees, special training and tailor made orientations are conducted to enable the students to achieve the global standards. Computer labs are well equipped with sufficient number of computers. Internet facility is made available at the library. OHP, Computers, LCD Projectors have been used for effective communication and teaching.

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., in to the curriculum?

The cross cutting issues like Gender, Climate Change, Environment Education, Human Rights, ICT etc, find an ample space when it comes to applying them positively into the curriculum. The college, at its own level makes arrangements for seminars and conferences where in the experts from above mentioned fields are invited to share and deliver their experiences and knowledge. The college had organized state level seminar on “National Symposium cum workshop on Prevention and Remedies of work place persecution in Higher Education institutions.” The subject of environment education is a part of the college curriculum. It is compulsory for all the students, to clear the theory examination on environment s studies.(EVS).

The college also organized workshop on Self defense training, Human rights, Accupressure, Use of internet in daily life etc.

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

The NSS wing of the college engages the students in community development activities which motivate the students to take up the cause of Social Service. The institution as such does not offer any value added courses. However there are many enrichment programmes which are regularly organized to develop different skills of the students along with the course work.

Moral and Ethical values:

The college NSS volunteers visit surrounding areas and villages where people are provided awareness on various social, moral, ethical principles and ways of life. The Students are also motivated by way of special lectures so as to instill moral and ethical values in them.

Employable and Life Skills:

The college understands that the need of communication skills is vital for the students for better career options. Therefore the institution arranges Verbal and Written Communication Skills contest. Group discussions etc. are held at regular intervals both in regional and English language in the institution. It is a regular practice of the institution to invite expert resource persons to conduct workshops on the development of communication competence among the students.

Students are also allotted the different responsibilities in organizing various events and activities such as cultural programmes, competitions, seminars, workshops etc. In this way they improve their team building and organizational skills. Under the UGC’s scheme-“Equal Opportunity Centre”, programs

like Accupressure therapy, Self Defense Workshop for girls, resume writing and Interview skills were arranged in the college.

Better Career Options:

The college provides regular computer classes for all students to develop their skills of basic computer operating principles which include Basic Computer Operation, MS office, Internet operations etc.

Community Orientation:

The college NSS unit visits surrounding areas and villages where people are provided awareness on various social, moral, ethical principles and ways of life.

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

The institution does not have any channels to collect and document responses on curriculum from the stakeholders because college does not have any freedom to design the curriculum. It is reserved with the affiliating University. The students express their opinion on teaching learning process through response sheets. Oral responses are also considered. Special formats are used for alumni and parents to register their views during interface meetings. The Principal, being the head of the institution is responsible for collecting feedback from the different stake holders through periodic meetings. The concern in-charge will then process and submit the analysis report and present it to the college Principal. The Principal reviews the analysis reports and initiates interventions. The teachers collect the exit level feedback from the graduates regarding learning processes after the end of academic session every year. The inputs are obtained from the stake holders regularly and further used to improvise the overall competency of the students for employability.

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

The institution has a very clear and transparent way to monitor and evaluate the quality of various enrichment programmes initiated by it. The feedback in the form of interactions, discussions and suggestions is analyzed by a specially constituted committee and report is submitted to the in-charge of the enrichment programme. The Institution makes sure that the programmes offered in the curriculum include contribution to national development, fostering global competencies among students, inculcating a value system among students, promoting the use of technology and quest for excellence. The College's efforts to ensure that the curriculum bears a thrust on these core values include the initiative for Contribution to national development. The college uses education as the tool for empowering women and through the transaction of the curriculum it has adopted, it seeks to address the all-round development of the students enrolled in the various academic programs it offers.

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?

The institution is an affiliated college to the RTM Nagpur University, and, therefore, there is no scope for framing institution's curriculum on its own. The College can only forward the suggestions of its faculty to the University through the members of Board of studies. The design and development of the curriculum is in the hands of the University only.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

No, college has no formal mechanism to obtain feedback from students and stakeholders on curriculum.

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

The college has not introduced new course or programme during the last four years.

CRITERION II:
TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

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

Publicity:

The institution has a marvelous history of over 22 years; it has an exemplary reputation for higher education in RTM Nagpur University. In the institution admission process is initiated with the formation of a Admission committee. This committee is constituted well before the probable date of declaration of results of the XIIth std. examination. The pass out students of the XIIth class are the admission seekers in the first year of the institution. The teaching faculty is available in the college during the admission process. They work as counselors for the admission seeking students. Doubts about the admission process are cleared in this stage itself. However, the final decision about the choice of the subject group rests with the students. The college ensures wide publicity in a planned manner. Admission notification is published on college notice board. Also the college displays flex board containing all the relevant information on the courses offered. On local Television cable network advertisement about the admission is circulated. The notification contains detailed information about number and available courses, eligibility; process of admission, and, academic as well as support facilities. The academic, administrative and financial aspects related to admission process are given in the prospectus. In addition to it, the faculty members of the college personally visit various Junior colleges of the neighboring areas to counsel students and motivate them to join our college.

Transparency:

The college follows academic calendar, provided by the Affiliating University, i.e. RTM Nagpur University Nagpur for last date for receipt of application & finalization of the admissions. The merit list is prepared and its notification is displayed on the college notice board. The selected candidate's lists are displayed on the notice board. The selection is through screening of the application forms by the admission committee. It includes a convener and other senior teachers. The original documents of the admission seekers are verified at the time of admission. After receiving the fees, a receipt is given to the admitted student. Thus, transparency is ensured from the stage of notification till the completion of admission process. Hence values such as access, equity and social justice are ensured through transparency and adherence to rules.

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 college offers only general undergraduate courses. As per the directives of the affiliating University, date of sale of application forms/prospectus is notified on the notice board. A time bound schedule about the admission procedure is also displayed on notice board and the same is also the part of prospectus. The admission committee prepares the merit lists for each program on the basis of marks obtained in qualifying examination, reservation criteria and the number of seats allotted.

2.1.3 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 college offers three years Under Graduate degree courses in the Science stream.

Admission to the Science streams is strictly done after framing the merit list. These admissions are done strictly according to the conditions laid down by RTM Nagpur University Nagpur regarding the qualifying examination and the subjects. No such minimum or maximum percentage of marks for admission at entry level is fixed. To get admission in the first year of B.Sc. course, the students must

have passed 12th standard examination from the recognized board along with the required subjects. The institution, as compared to the other colleges within the city/district, has the record of getting its seats filled at the earliest.

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?

The college reviews the profiles of students admitted annually. The institution has a very clear cut well defined and well-designed mechanism as far as the reviewing of the annual profiles of the students is concerned. The admission committee reviews the profiles of students selected for admission and chalks out a comparative summary of the selected candidates. In case a particular section of students like specific community are found to be in less numbers in the admission lists, the admission committee tries to motivate those sections of students by providing them the requisite facilities. The activities of students are closely monitored. A record of their participation in all the fields, academic as well as extra-curricular is maintained in the office. The students, who bring laurels to the institution, like in the academics, sports, extra-curricular, or other similar areas, are duly rewarded when they seek admission the next year. The student with a little bit of negative approach or disturbing elements are motivated with counseling so that a positive frame of mind can be developed. This results in making the students an asset for the institution.

Outcome:

As a result of this process, in the last five years, the college has observed a sharp rise in the students maintaining discipline. They have learnt to channelize their energy, their potential into more constructive activities.

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 sections
- * Minority community
- * Any other

a. Students from SC/ST/OBC Community:

Students from SC/ST and other backward classes are allotted seats as per reservation policy of the Maharashtra state. At present the reservation policy followed by the college is as SC -13%, ST – 7%, OBC – 19%, SBC – 2%, VJNT – 11%. Fees exemption is also extended to these students as per direction issued by the affiliating University and Govt.

b. Women:

For women, there is no reservation for admission but the women candidates are provided with equal opportunity. The college provides counseling to the needy parents of women students on the importance of women education, exclusive facilities available for security and protection. It has been observed that in the last few years about 90% of student's are the girl students. The college provides required facility to these girl students such as girls' common room, sanitary, women's cell etc.

c. Differently-abled:

There is no reservation for students belonging to differently able categories.

d. Economically Weaker Sections of the Society:

There is provision to provide facilities for students belonging to economically weaker sections of the society as per the norm prescribed by state government, UGC and affiliating University. They are also

given various benefits like travel pass, free books, Examination fees etc. through the college born practice named as EPSWS exclusively for economically weaker sections of the society.

e. Minority:

The college facilitated these minority students by conducting Remedial Classes under UGC scheme- Remedial Coaching Classes.

f. Athletes and Sports Persons:

College has decided to provide horizontal reservation for sport persons from the academic year.i.e.from session 2016-17.

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	2011 -12			2012-2013			2013 - 2014			2014 -2015		
	No. Of application received	No. of students admitted	Demand ratio	No. Of application received	No. of students admitted	Demand ratio	No. Of application received	No. of students admitted	Demand ratio	No. Of application received	No. of students admitted	Demand ratio
B.Sc. I	164	98	1:1.34	183	119	1:1.52	345	119	1:2.87	447	120	1:3.73
B.Sc. II	45	45	1:1	65	65	1:1	82	82	1:1	117	117	1:1
B.Sc. III	34	34	1:1	34	34	1:1	42	42	1:1	67	67	1:1
B.C.A I	04	04	1:1	13	13	1:1	15	15	1:1	00	00	NA
B.C.A II	00	00	NA	00	00	NA	11	11	1:1	12	12	1:1
B.C.A III	00	00	NA	00	00	NA	00	00	NA	04	04	1:1

Comment: The above mentioned information and the demand ratio reveals that the trend is increasing, & it is due to:

1. Regularity of the college, adherence to discipline.
2. Better results of the college in the University examination
3. Improvement in result of the qualifying examination i.e.12th std.
4. Awareness about the importance of education.

2.2 Catering to Diverse Needs of Students

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

The institution has not faced such issues related with differently abled students. In future the college will take due care of them.

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.

The Institution is well aware of the needs of the students. In the beginning of the session by interaction with the students, teachers assess the communication skills of the students. Hence, the institution had conducted bridge courses such as Spoken English Classes for the freshers in the beginning of the session.

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

The college is situated at the border area of the Maharashtra & Madhyapradesh states. The location of the college is hardly 20 kms from the Madhyapradesh border. It is generally observed that the students of this area are economically weak, and, this has led to an economic backwardness. This backwardness

leads to lack of confidence as compared to the students of several other colleges located in big cities. This parity has to be bridged. For this the institution conducts remedial classes for SC/ST/BC students in different subjects to enhance their skills and competence. Remedial examinations are also held to test their knowledge received during classes. Enrichment courses like personality development programmes are also conducted to improve students' personality and motivate them for an innovative and creative mindset. Where ever a disadvantageous learner is identified by the class teacher, the institute directs a teacher to help him/her with counseling and intensive coaching.

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

In the institution such issues are taken care of in various programmes, guest lectures & seminars arranged throughout the session.

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

The advanced learners are detected by the teachers during their lectures in class room by means of getting feedback from the students orally and sometimes in writing. Students are subjected to various methods of evaluations like objective test, vocal responses, sample individual responses and written tests after each unit of syllabus. Based on their performance, students are identified as slow and advanced learners. They are supported in the best possible manner. The teachers take extra pain in helping them with an additional and personal interest. The teachers provide them additional time, advanced learning materials and assistance. Further, such learners are motivated for higher seats of learning and top most career options. A number of motivational lectures are organized to channelize their potential to accomplish better success.

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.)?

Academic performance of the student's from the backward section of the society, slow learners, economically weaker sections etc. is detected by the teachers during their lectures in classroom. We use their marks as parameter for identifying slow learners. Students are subjected to various methods of evaluation, vocal responses, sample individual responses & written test after each unit of syllabus. Those students who do not seem to cope up with the pace of learning are advised and counseled by the teachers by assisting them with special study material from their personnel book bank. They are specially advised and counseled so as to help them improve themselves. The morale of the slow learners is boosted by counseling sessions & remedial classes. They are also given advice after class hours and are motivated by providing additional learning material such as text books and University examination question papers of previously held exams. The advanced learners are given assignments and encouraged to take part actively in quiz, essay writing, lecture competitions and seminars. They are encouraged to acquire new and advanced information through the internet to bring out their full potential. The creative abilities of students are given vent through wall magazines, newsletter and college magazine. A friendly environment is created to improve the communication skills of the advanced learners. The Equal Opportunity Centre, the Career & Guidance Cell and the Seminar and guest lecture committee of the college organize Motivational lectures to channelize their potential to achieve success. Through a welfare scheme namely EPSWS we provide monetary benefits as well as other type of assistance to the economically weaker section of the students.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

The academic calendar is released by the affiliating University and is to be followed in totality by our college. It provides plan for the academic year to students, teachers and parents. Each department functions according to the teaching plan prepared at the department level. The unit wise syllabus is

discussed with the faculty of the department, and, the course work is distributed. Most of the teachers use OHP, LCD projectors, model, and, charts for delivery of the subject matter. At the end of each session / semester, theory and practical examinations are conducted by the University and evaluation is carried out. The exam. results are declared and mark-sheets are issued by the affiliating University. Apart from this the college also conducts internal examination i.e. the terminal examinations for the evaluation of students. For allotting internal assessment marks, various parameters are used by the teachers.

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

The IQAC of the college started functioning from 23.07.2005. In its meetings; the academic quality is evaluated by way of discussions. The regular feedback collected from the students contributes to the improvement of the quality of education. The IQAC had organized a seminar on ‘Use of Internet’ for the teachers and students.

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 college provides a well-stocked library which has latest books and journals. The faculties use the library facilities to provide comprehensive and latest information to the students. Students are also encouraged to use the library independently. It improves their self-study habits. Apart from it, the college provides a well-equipped auditorium / seminar hall where students participate in cultural activities, Debates and Seminar competitions. Field visits, educational tours are arranged every year. The college also encourages the use of internet and computers by the staff and students to keep them abreast of the latest developments in their respective field of study.

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 college concentrates on competence building of the students. To encourage the artistic temper among the students, the college teachers motivate them to participate in various extracurricular activities. At the same time, to encourage the scientific temper among students, the faculty engages the students in various practical works in science labs and computer labs. To sharpen the critical thinking among students, various group discussions, debates and seminars are organized in which students explore new ideas and also get a chance to listen to the expert views of eminent professionals. Personal science magazines and literature of staff members also made available for the students.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? E.g.: 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 use of modern multi-media teaching aids like Charts ,model, specimen, OHP, multimedia projectors, Internet enabled computer systems are usually employed in class room instructions as well as other student learning experiences. College library provide on line Journals subscription facility (N-list) and Wi-Fi network connectivity in the college campus through NRC.

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

College conducts lectures and seminars by experts on various issues in which faculty members and students are encouraged to participate and reap benefits. The teachers go for refresher, orientation courses and short term courses. Educational tours are also conducted. Over the past many years the faculty has been participating in the conferences and presenting papers in national and international level seminars.

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

The institution has conducted sessions on guiding the students on their academic, personal, psycho-social needs. Such programs were arranged by the “Equal Opportunity Cell” of the college.

Following are the details:

**Programs organized by the “Equal Opportunity Cell”
(Under UGC’s plan.)**

Year-2011-12

- **Date-28/2/2012 to 5/3/2012-**

Program on acupressure therapy was arranged in college. The duration was of 7 days. Dr.Parag Kulkarni, Nagpur was the recourse person.

- **Date-4-5-2012**

A guest lecture on “Organizational Behavior” was arranged in the college. Dr.Q.H.Jiwaji and Dr.R.S.Pais of Shri Ramdeobaba College of Engineering and Management were the resource persons.

Year-2012-13

- **Date-10/7/2012 to11/7/2012-**

A program on “Office Management” was arranged in the college.

Dr.Ashish Linge of MBA department of C.P. & Berar College, Nagpur and Dr.Rajeev Khaire of Shri Ramdeobaba College of Engineering and Management were the resource persons.

- **Date-2/7/2012 to 2/8/2012-**

Dr.Parag Nimishe, Principal, Bhalerao Science College, Saoner conducted the program on “Communication skill and Personality development”

- **Date-3/9/2012 to 10/9/2012-**

A program on e-learning was arranged. The teachers of our college.viz. Dr.P.K.Nimishe, Dr.S.M.Sakharkar, Prof.P.B.Dabrase, Dr.S.P.Dongre. & Shri.V.R.Junghare worked as resource persons.

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?

The college encourages the teachers to keep themselves abreast of the latest developments in their respective fields. They are encouraged to use computers, Internet and library resources to enrich their teaching. The college faculty is also provided training to use computers, so that they can themselves create modern teaching aids to be used in their classrooms.

From time to time the college faculty adopts approaches/methods such as seminars, conferences and special lectures. The faculty members are encouraged to participate in National/International level seminars. The faculty members participated actively without taking any financial support from the college. The faculty members who have attended such seminars/ conferences share their experience with students and faculty with latest information and skill developments. Some staff members also adopt the open book tests and objective unit tests relevant to the syllabus even though it is not actually the part of University curriculum. This practice helps to enhance the reading habit of learner and it leads to the better results in the University examination.

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

The institution has centralized library. The library continues to provide the following services to the users:-

- | | |
|---------------------------|------------------------|
| 1. List of new entries | 6.Open source journals |
| 2. Useful articles | 7.Open source software |
| 3. News items | 8.N-list |
| 4. New GR, Notifications. | 9. e-books |
| 5. UGC Guidelines | 10.CD's |

The catalogues from different publishers are collected and filed. The Librarian collects the recommendation of books from the head of department and the faculty members. The same recommendation is submitted to the Principal's office and, then Principal places order for books from these communications. The range of subjects represented by the library collection reflects our institution's ever growing zest for newer areas of study and research. Some faculty members have their personal collection of a large number of books, and, they share the books and journals with the fellow colleagues, UG students as and when required. Majority of staff can efficiently use the internet and they share their knowledge of innovative research topics, reviews, methodology, data gathering and information output with the learners. Students are also encouraged to make use of library services. They are provided with a student library card which enables them to borrow books from the library. Students are also provided reading room facility in the library to inculcate reading habit in them. The college library also organizes "Library Book exhibition" for staff and 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.

This type of situation has happened on a few occasions that the faculty was not able to complete the curriculum within the stipulated timeframe. Sometimes because of *bandhs* declared by political parties, institution faces challenges in completing the curriculum but, the college teachers had

conducted extra classes to compensate the academic loss of the students. Such extra classes were conducted on college holidays, &, even after the college timings.

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

We take feedback from the students and accordingly instructions are given to teachers and staff.

The University results are analyzed annually. Discussion on University examination results are taken up in the LMC meeting and necessary measure are taken.

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?

The complete process of recruitment is carried out as per the prescribed guidelines of affiliating University & Govt. of Maharashtra. The college strives to recruit and retain teachers who are competent, experienced and experts in their respective field of study. The college is always ready to absorb the best teachers available. The college finds new and able teachers by way of references from other teachers and experts in the area. The college advertises in the local newspapers and even National Newspapers in order to attract the competent teachers available in the other states of Country. After getting applications in response to these from the eligible candidates, these are scrutinized and compiled. A merit list is prepared as per the guidelines issues by the RTM Nagpur University Nagpur. Thereafter, the college applies to the affiliating University for a panel of experts to conduct the interview. This expert panel consists of the following members:

- President of the Governing body.
- Government nominee: **One**
- Vice Chancellor's Nominee: **One**
- Subject Experts deputed by the RTM Nagpur University: **Two**
- Principal of the college

The above said committee conducts the interview as per the guidelines issued by the RTM Nagpur University and selects the eligible and the most competent candidate/s. The appointment letter is forwarded to the selected candidate. After his/her joining the duties, the approval is sought from the affiliating University. To retain the available staff, they are paid salaries according to the norms specified by UGC & Govt. of Maharashtra. The staff is also provided other requisite facilities like, Medical leave, Casual Leave etc. They are also given study leave if they wish to upgrade their qualification by pursuing M. Phil or Ph.D.

Highest qualification	Professor		Associate Professor		Assistant professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc/D.Litt							
Ph.D	00	00	00	00	06	03	09
M.Phil	00	00	00	00	01	00	01
PG	00	00	00	00	02	01	03
Temporary teachers							
Ph.D	--	--	--	--	--	--	--
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	02	01	03
Part – time teachers							
Ph.D	--	--	--	--	--	--	--
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--

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.

The courses of Biotechnology and Bioinformatics are not yet available in our college. As far as Computer Science course is concerned, our institution has made a lot of efforts to recruit the best quality teachers. To attract the new faculty and to retain the existing teachers the college provides requisite facilities like library, internet etc. To encourage the staff to participate in state/national and international seminars & workshops, the teachers are granted duty leave to upgrade their knowledge. During the last three years, many of our teachers have participated in number of state level, national and international level seminars and workshops. All these teacher centric facilities attract the teachers and best of the faculty from the adjoining area of our college.

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

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	05
Orientation courses	NIL
Staff training conducted by Academic staff college	NIL
Short term courses	06
Staff training conducted by other institutions	03
HRD programmes	NIL

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

The college organizes programmes to motivate teachers to prepare computer aided teaching/learning materials, mostly using software and other electronic tools. The college also supports these endeavors by providing infrastructural support. Teachers engage Multimedia classes for teaching concepts that involve complex visualizations and Seminar presentations of the UG level students take place in the laboratory using computer and LCD projector. The computer department of the college regularly organizes training programs for teachers of other departments to make them aware of the latest developments in the technology. They train the teachers to encourage the use of computers and internet to empower the teachers and to improve their teaching methods.

· Handling new curriculum

We have a lot of experienced and qualified staff to handle the new curriculum with ease. A few of our faculty members are members of BOARD of STUDIES in RTM Nagpur University Nagpur. They play an active role in designing the new curriculum. Whenever there is a change in the syllabus initiated by RTM Nagpur University Nagpur, the same is conveyed to the HODs by the Principal timely. The HODs then inform teachers, explain the new syllabus to them and advise strategies to handle the new syllabus effectively.

· Assessment

The self-assessment report is one of the important yard sticks used for the promotion of the faculty. It also gives a picture of the needs of the faculty in terms of their research and other activities. Suggestions to improve the academic system, provided by the faculty through the self-assessment report are also taken into account by the college. The Principal also maintains the performance of the teachers which records the annual performance of the teachers.

· **Cross cutting issues**

The cross cutting issues like Gender, Climate Change, Environment Education, Human Rights, ICT etc, find an ample space when it comes to applying them positively into the curriculum. The college, at its own level and with the assistance from UGC makes arrangements for seminars and conferences of national level where in the experts from above mentioned fields are invited to share and deliver their experiences and knowledge. The college has also organized national level seminar on women empowerment & work place persecution. The subject of environmental studies is a part of the curriculum & is compulsory for all the students of part II. The course is implemented every year.

· **Audio Visual Aids/multimedia**

Lectures are taken using audio visual aids in Classrooms. Under various UGC's schemes, the college has purchased Audio visual aids. It includes LCD projectors, computers, sound system, a visualizer etc. Faculty members are provided computers with internet browsing facility for preparation of teaching/learning materials.

· **Teaching learning material development, selection and use**

The teachers of our institute are given free access to internet. This helps them to collect learning material from the internet. College has a well-developed library which contains books on various subjects. Besides this, the college had organized seminars and conferences which help as a learning source for the faculty. Need based assistance and clarifications are offered by the faculty from the Department of Computer Science. The department of computer Science regularly conducts computer training classes for both teaching and non-teaching faculty. In addition, the department of computer science keeps on conducting one day workshop on the use of audio visual devices and computers in classroom to empower the teachers.

c) Percentage of faculty

* invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies - 20%

* Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies - 100%

* presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies - 60%

2.4.4 What policies/systems are in place to recharge teachers? (e.g.: 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 encourages all the faculty members to participate in various research conferences /workshops. For those faculty members who attend such programs, the institution provides "duty leave" facility.

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.

Due to the encouragement from the management & the Principal, the faculty members have participated in various national and international level seminars. Some of the faculty members have also cleared SET/NET exam. in-service. Some of our faculty have received national level award.

Awards won by the faculty

Name of the faculty:-Dr.R.K.Banerjee.

Sr.No	Society	Name of Award	Presented to	Purpose	Date &Place
1.	Global Society for Health & Educational Growth.	Bharat Shiksha Ratan Award.	Dr.Rajat Kumar Banerjee.	Individual Achevements & National Development.	21/09/2015 New Delhi.

Name of the faculty:- Prof.Mrs.A.M.Watkar.

Mrs. A.M. Watkar received

- 1) **Shahu maharaj state award for teaching 2013.**
- 2) **International society for Humanities award for teaching 2014**

Name of the faculty:-Dr.V.D.Doifode

Sr. No.	Name of the faculty	Department	Particular
1	Dr. V.D. Doifode	Botany	“Economically poor students’ welfare scheme” a case study; UGC & NAAC sponsored National Conference at D. B. Science College Gondia; August 2012. Proceeding: ISBN-978-93-5087-006-8. “Best case study” Presentation award.

The encouragement of the governing body and the Principal has resulted in getting such awards.

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 and learning process?

Yes, the institution undertakes evaluation by student feedback which is collected from the students at the end of every academic year. The students are given a questionnaire to provide feedback on every faculty. The proforma contains criteria such as punctuality, knowledge level, delivery of curriculum, communication, etc. The faculty members are evaluated based on the feedback of the students. The management and the principal review the result of the feedback of the faculty members and those who need to improve on their teaching skills are personally addressed and effective measures are taken. Our college has no mechanism to evaluate the teachers by the external peers.

2.5 Evaluation Process and Reforms

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

Students and faculty are informed about this in the students meeting and staff meeting. The students are also informed about this practice in the class-room.

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?

The major evaluation reforms of the University which are being followed by the institution are on line entry of internal assessment marks, online registration for University examination and online submission of practical marks. The University has provided the guidelines for internal assessment process. Based on this, the college follows transparency in the internal assessment process. For the evaluation of teachers, the PBAS of the UGC is used. As a part of examination reforms, on their own, a few of our college teachers have adopted the method of objective type unit test, open book test etc. which is not the pattern of the affiliating University.

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?

The evaluation reforms of the University are followed in the best of the spirit. The evaluation is all fair. The students are made aware about their performance by showing them the evaluated answer sheets. Any doubt about evaluation is explained clearly to the students.

Record is maintained about mark- sheets, award lists etc. Whenever class tests and term tests are conducted, the results are shown to the students to encourage them or counsel them for betterment of future performance. Presently the institution is following the newly introduced examination system of the affiliating University.

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

The institution follows formative and summative evaluation approaches to assess the student achievement in both scholastic and co-scholastic areas. The college follows the pattern of internal assessment based on the guidelines of the University, where the students are assessed through tests, seminars, assignments and attendance. The college conducts summative assessment as per the RTM Nagpur University, Nagpur at the end of the academic year. The skills of students are assessed based on their participation in various co-curricular activities also.

2.5.5 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 institution monitors and communicates the progress and performances of students by student follow-up program. Every student is mapped by a faculty member to discuss the student performance. The faculty members also take necessary steps to meet the students' need. The parents are also communicated about the progress of their ward at regular intervals. The review of result also helps in analyzing the student's performance and quality of teaching. This has helped our institution to perform well in RTM Nagpur University where many students have obtained admission in PG courses at the reputed college & department of the RTM Nagpur University.

COLLEGE RESULTS OF THE RTM NU EXAMINATIONS

SUMMER 2010					
Title	Students appeared	I Div. & above %	II Div. %	III Div. %	Pass %
B.Sc.I	60	03.33	25.00	00.00	28.33
B.Sc.II	48	02.08	18.75	06.25	27.08
B.C.A.II	43	04.65	18.61	02.33	25.58
B.Sc.III	41	17.07	43.90	09.76	70.73
B.C.A.III	29	03.45	75.86	00.00	79.31
SUMMER 2011					
B.Sc.I	74	10.81	06.76	01.35	18.92
B.Sc.II	41	19.51	26.83	00.00	46.34
B.Sc.III	39	00.00	61.54	12.82	74.36
SUMMER 2012					
B.Sc.I	96	03.13	09.38	04.17	16.67
B.C.A.I	04	00.00	00.00	00.00	00.00
B.Sc.II	45	08.89	20.00	02.22	31.11
B.Sc.III	34	23.53	29.41	00.00	52.94
SUMMER 2013					
B.Sc.I	118	03.39	11.02	00.85	15.25
B.C.A.I	13	00.00	15.39	00.00	15.39
B.Sc.II	65	09.23	24.62	01.54	35.39
B.Sc.III	34	26.47	32.35	00.00	58.82
WINTER 2013					

B.Sc.Sem.I	119	13.45	15.97	00.00	29.41
SUMMER 2014					
B.Sc.Sem.II	119	18.49	22.70	00.00	41.18
B.C.A.I	13	00.00	23.08	00.00	23.08
B.Sc.II	82	09.76	23.17	04.88	37.81
B.C.A.II	11	09.09	27.27	00.00	36.36
B.Sc.III	42	16.67	61.91	02.38	80.95
WINTER 2014					
B.Sc.Sem.I	120	14.16	20.83	1.66	36.66
B.Sc.Sem.III	117	12.82	31.62	10.25	63.24
SUMMER 2015					
B.Sc.Sem.II	120	10.00	24.16	05.00	39.16
B.Sc.Sem.IV	116	21.55	19.82	07.75	49.13
B.Sc.III	66	12.12	31.81	18.18	65.15
B.C.A.II	11	09.09	72.72	00.00	81.81
B.C.A.III	04	00.00	100.00	00.00	100.00

COLLEGE & THE UNIVERSITY RESULTS OF THE EXAMINATIONS

SUMMER 2010						
Title	Students appeared	I Div. & above %	II Div. %	III Div. %	Pass %	RTM NU %
B.Sc.I	60	03.33	25.00	00.00	28.33	16.60
B.Sc.II	48	02.08	18.75	06.25	27.08	25.40
B.C.A.II	43	04.65	18.61	02.33	25.58	19.98
B.Sc.III	41	17.07	43.90	09.76	70.73	44.60
B.C.A.III	29	03.45	75.86	00.00	79.31	71.90
SUMMER 2011						

B.Sc.I	74	10.81	06.76	01.35	18.92	17.70
B.Sc.II	41	19.51	26.83	00.00	46.34	24.80
B.Sc.III	39	00.00	61.54	12.82	74.36	43.20
SUMMER 2012						
B.Sc.I	96	03.13	09.38	04.17	16.67	16.94
B.C.A.I	04	00.00	00.00	00.00	00.00	12.16
B.Sc.II	45	08.89	20.00	02.22	31.11	28.41
B.Sc.III	34	23.53	29.41	00.00	52.94	50.00
SUMMER 2013						
B.Sc.I	118	03.39	11.02	00.85	15.25	21.25
B.C.A.I	13	00.00	15.39	00.00	15.39	15.54
B.Sc.II	65	09.23	24.62	01.54	35.39	30.56
B.Sc.III	34	26.47	32.35	00.00	58.82	53.39
WINTER 2013						
B.Sc.Sem.I	119	13.45	15.97	00.00	29.41	19.60
SUMMER 2014						
B.Sc.Sem.II	119	18.49	22.70	00.00	41.18	29.86
B.C.A.I	13	00.00	23.08	00.00	23.08	13.31
B.Sc.II	82	09.76	23.17	04.88	37.81	30.73
B.C.A.II	11	09.09	27.27	00.00	36.36	26.93
B.Sc.III	42	16.67	61.91	02.38	80.95	62.58
WINTER 2014						
B.Sc.Sem.I	120	14.16	20.83	1.66	36.66	53.03
B.Sc.Sem.III	117	12.82	31.62	10.25	63.24	52.62
SUMMER 2015						
B.Sc.Sem.II	120	10.00	24.16	05.00	39.16	56.88

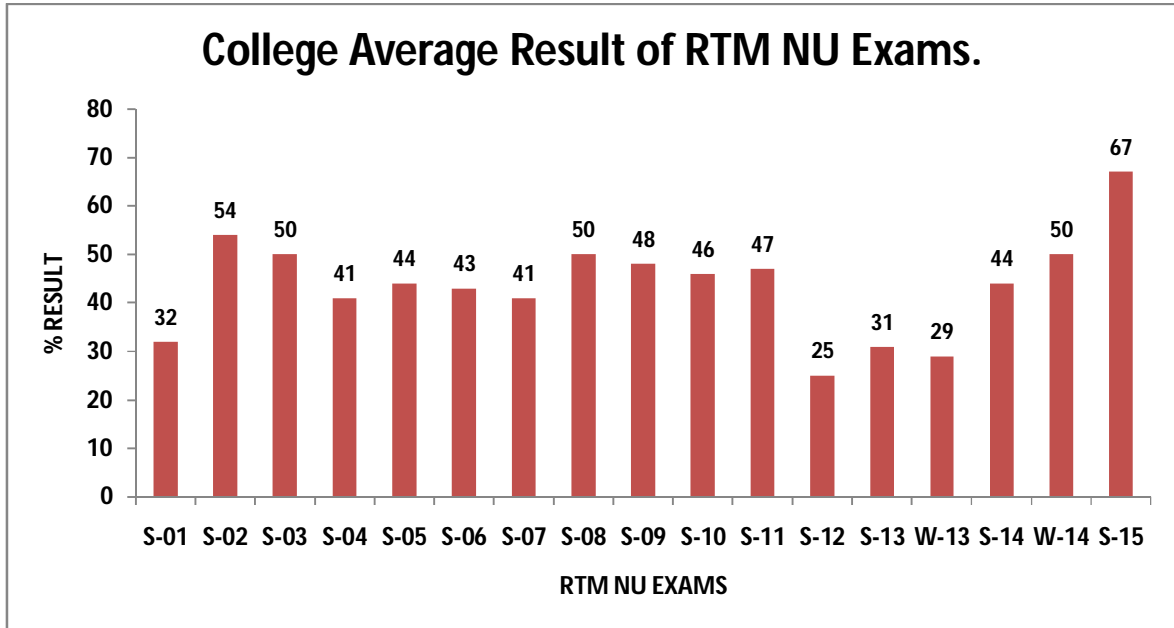
B.Sc.Sem.IV	116	21.55	19.82	07.75	49.13	52.89
B.Sc.III	66	12.12	31.81	18.18	65.15	85.22
B.C.A.II	11	09.09	72.72	00.00	81.81	21.48
B.C.A.III	04	00.00	100.00	00.00	100.00	70.32

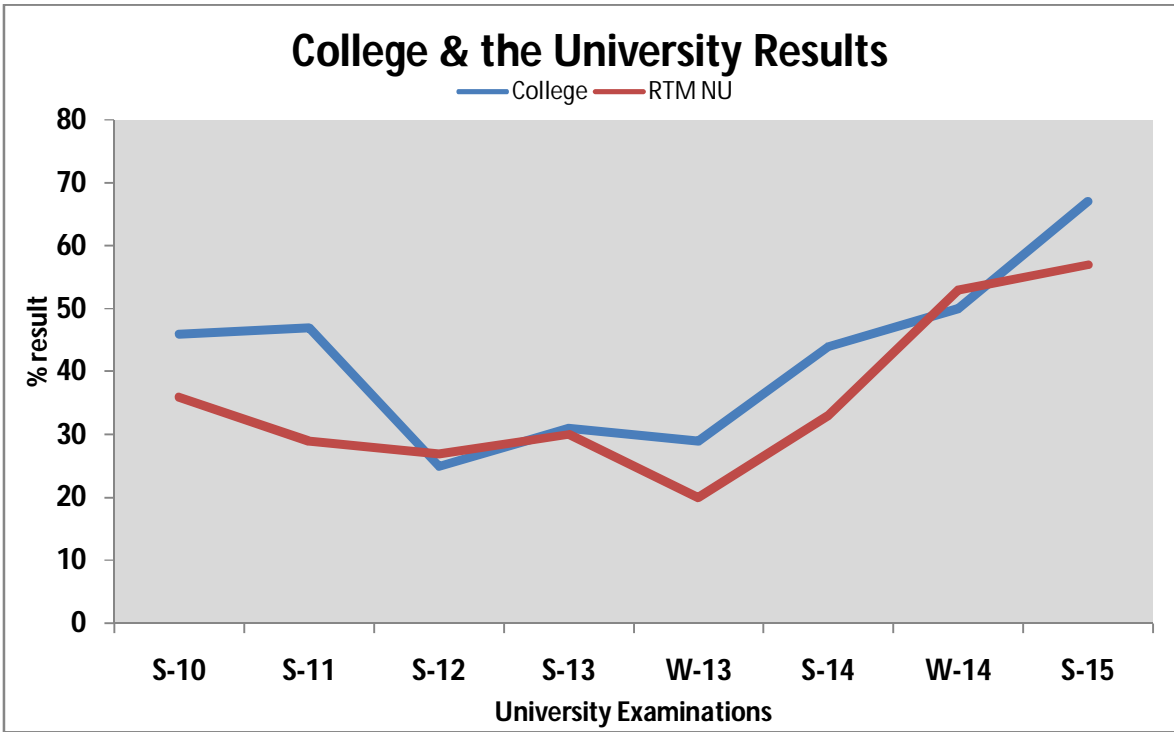
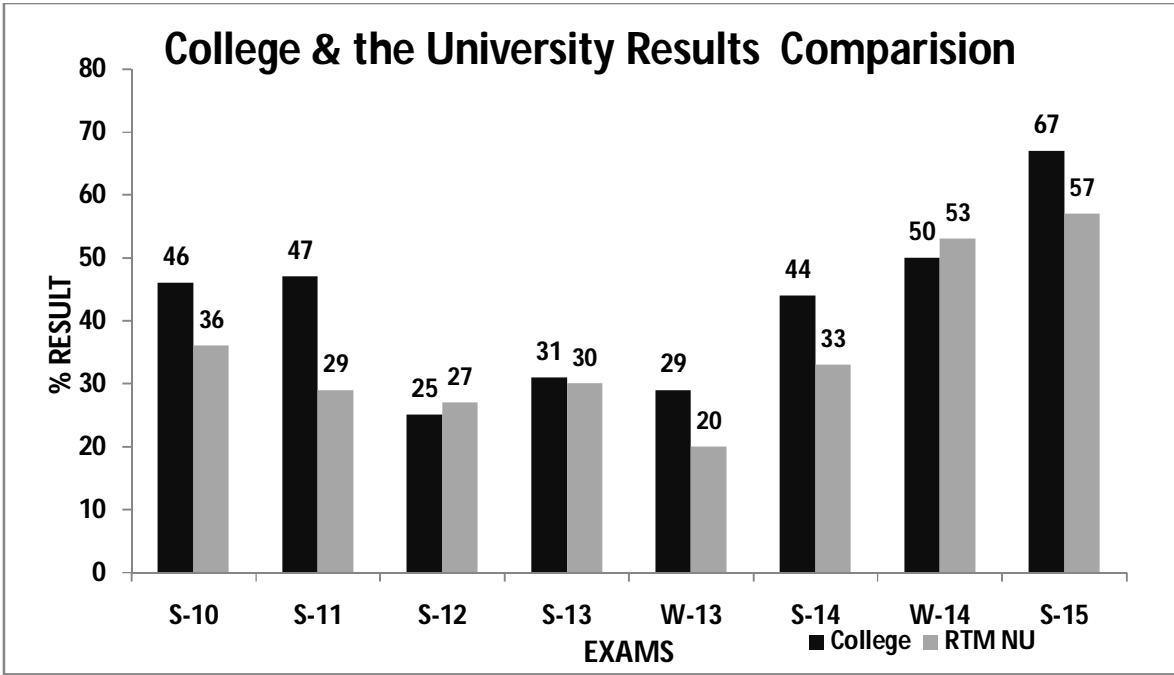
COLLEGE & THE UNIVERSITY RESULTS OF THE EXAMINATIONS

SUMMER 2010							
Title	Students appeared	Distinction %	I Div. & above %	II Div. %	III Div. %	Pass %	RTM NU %
B.Sc.I	60	01.67	01.67	25.00	00.00	28.33	16.60
B.Sc.II	48	00.00	02.08	18.75	06.25	27.08	25.40
B.C.A.II	43	00.00	04.65	18.61	02.33	25.58	19.98
B.Sc.III	41	04.88	12.20	43.90	09.76	70.73	44.60
B.C.A.III	29	00.00	03.45	75.86	00.00	79.31	71.90
SUMMER 2011							
B.Sc.I	74	01.35	09.46	06.76	01.35	18.92	17.70
B.Sc.II	41	00.00	19.51	26.83	00.00	46.34	24.80
B.Sc.III	39	00.00	00.00	61.54	12.82	74.36	43.20
SUMMER 2012							
B.Sc.I	96	00.00	03.13	09.38	04.17	16.67	16.94
B.C.A.I	04	00.00	00.00	00.00	00.00	00.00	12.16
B.Sc.II	45	02.22	06.67	20.00	02.22	31.11	28.41
B.Sc.III	34	00.00	23.53	29.41	00.00	52.94	50.00
SUMMER 2013							
B.Sc.I	118	00.00	03.39	11.02	00.85	15.25	21.25
B.C.A.I	13	00.00	00.00	15.39	00.00	15.39	15.54

B.Sc.II	65	01.54	07.69	24.62	01.54	35.39	30.56
B.Sc.III	34	00.00	26.47	32.35	00.00	58.82	53.39
WINTER 2013							
B.Sc.Sem.I	119	00.84	12.61	15.97	00.00	29.41	19.60
SUMMER 2014							
B.Sc.Sem.II	119	01.68	16.81	22.70	00.00	41.18	29.86
B.C.A.I	13	00.00	00.00	23.08	00.00	23.08	13.31
B.Sc.II	82	00.00	09.76	23.17	04.88	37.81	30.73
B.C.A.II	11	00.00	09.09	27.27	00.00	36.36	26.93
B.Sc.III	42	07.14	09.52	61.91	02.38	80.95	62.58
WINTER 2014							
B.Sc.Sem.I	120	00.00	14.16	20.83	1.66	36.66	53.03
B.Sc.Sem.III	117	01.70	11.12	31.62	10.25	63.24	52.62
SUMMER 2015							
B.Sc.Sem.II	120	00.83	09.17	24.16	05.00	39.16	56.88
B.Sc.Sem.IV	116	01.72	19.83	19.82	07.75	49.13	52.89
B.Sc.III	66	00.00	12.12	31.81	18.18	65.15	85.22
B.C.A.II	11	00.00	09.09	72.72	00.00	81.81	21.48
B.C.A.III	04	00.00	00.00	100.00	00.00	100.00	70.32

Examination Results





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

The institution ensures transparency in the evaluation of internal assessment by sharing the scheme of internal assessment in the classrooms. Based on the scheme, the college conducts tests, classroom seminars and assignments for allotment of internal assessment mark. Attendance of the students is also taken into consideration for calculation of internal assessment marks. The behavioral aspects of the student's are monitored by the faculty within the classroom to assess their overall development.

2.5.7 Does the institution and individual teachers use assessment/evaluation 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.

Yes, the assessment through test and exams are taken as an indicator for evaluating student's performances. The student's performances are periodically monitored through student follow-up program and necessary support is provided for the students to achieve the learning objectives through remedial classes, and other student support programs.

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

For the matter of internal assessment, the students are free to take any grievances to the subject teacher or to the head of the department. The students can request for reevaluation of theory examinations of the University as per its guidelines.

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?

At the beginning of the academic session, the students are informed about the syllabus and the scheme of examinations in the class-room.

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

The college encourages the faculties to use modern teaching aids like the OHP, LCD projectors. Moreover, the college evaluates the students learning outcomes consistently by conducting various kinds of exams like class tests, terminal examinations, practical exam, seminars, and assignments. The Students' attendance Committee keeps watch on the attendance of the students.

2.6.3 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

The college has instituted career counseling and placement cell where the students are exposed to the market trend and expectation of industries. The Placement Cell prepares the students to the corporate world by providing necessary training in interview & interpersonal skills. The NSS activities inculcate social values and environmental awareness in the students' mind.

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

The college assesses the student's performance consistently by conducting test, seminars, assignment and result analysis. Based on these, the institution plans for remedial classes, counseling, etc. to overcome the barriers of learning.

2.6.5 How does the institution monitor and ensure the achievement of learning outcomes

The institution monitors the achievement of learning outcomes through internal assessment and result review. The student follow-up program provides a continuous assessment to measure learning outcomes

2.6.6 What are the graduates attributes specified by the college/affiliating University? How does the college ensure the attainment of these by the students?

The college is affiliated to the RTM Nagpur University, Nagpur, &, follows the rules and regulations specified by the University.

Any other relevant information regarding Teaching and Learning and Evaluation which the college would like to include.

In the year 2006, Ms. Tanvi Sawal, one of our students of BCA, had topped the University results. She was felicitated in the college at the able hands of Dr.S.N.Pathan, the then Vice-Chancellor of the RTM Nagpur University.

In the year 2005, Mr.Dhruv Sharma, one of our students of CBZ group was selected in the University's Yogasana team. He participated in All India Inter-university Yogasana tournament at Udaipur (Rajasthan). He was felicitated in the college in the students' meeting.

In the year 2010, Ms.Prndya Awade, an ex- student of BCA of our college had cleared the coveted SET examination in Computer Science. She was felicitated in the college on the Founder's day celebrations. (24-2-2011)

CRITERIA- 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?

The college has not been recognized as a research center by the University. However, under the Minor Research Projects carried out by the in faculties, the institution has purchased laboratory equipments. Interested teachers and their research students make use of such equipments especially on the emerging field of nanotechnology.

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.

Institution has no permanent research committee to monitor and address the issues of research.

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

The institute has provided computers with internet connectivity in departments of Physics, Zoology, &, Library for staff and students. The library is equipped with N-List, e-recourses and e-journals. The staff members are granted the duty leave to participate in seminars / workshops / Conferences.

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

Participation of students in various colleges, University level activities such as seminar competition, activity on astronomy, involvement of students in the activity organized at college.

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.

The following faculties of the institute are involved in individual/collaborative research activities.

Sr.No.	Name of faculty	Department	Research activity	Specialization
1	Dr. S. P. Dongre	Physics	One student awarded M.Phil degree & Three students are registered in PhD. research work and One Students Submitted PhD. Thesis.	Polymer nano-composites
2	Dr. S.M. Sakharkar	Library	Two M.Phil. Students and Eight PhD students are registered research work. Four Students Submitted PhD. theses. Four Students submitted synopsis and three waiting for registration.	Library and information science.
3	Dr. R. K. Banerjee	Physical education	PhD research work. 13 students awarded PhD degree. Three students submitted PhD thesis. Three students are registered for PhD	-----

The following faculties of the institute carried out individual research project activities (MRP).

Sr.No.	Name of Faculty	Department	MRP Title
1	Dr. S.M.Sakharkar	Library	Institutional Repository Creation
2	Dr. S. P. Dongre	Physics	1. Studies on Synthesis, Characterization and properties Of Some Conducting polymer and It's Composites". 2."Studies on Characterization And Application Of Chemically Synthesized, Some Conducting polymer and It's Nano-Composites"
3	Mr. P.B. Dabrase	Physics	"Acoustical Study of Pollution level in local water bodies for testing Potability"
4	Dr. A. H. Ghiya	Chemistry	"Studies and characterization of chemically synthesized conducting polyaniline-maganese oxide nanocomposites"
5	Dr. P. R. Kakde	Chemistry	Studies on synthesis, Characterization & properties of some conducting polymer and its metal nanocomposites
6	Mr. M.P. Barbate	Zoology	Studies and analysis of industrial effluents of paper mills and crude oil industry in Saoner region: Effect of treated water on nearby water bodies
7	Mrs. A.M. Watkar	Zoology	Study of Plasma Progesterone concentrations of corpus luteum in the microchiropteran bat Hipposiderospeoris (Schneider) during estrus and pregnancy period
8	Dr. P.M. Salve	Mathematics	Study of Heat conduction in Thermoelasticity A Boundary value problem.
9	Dr. P.S. Athavale	Botany	Survey on ethnomedicinal & phytosociological plants of Saoner Tehsil and their Phytochemical Analysis.

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 imbining research culture among the staff and students.

Following seminars/ Lectures were organized by the various departments during last few sessions

1. Department of Physics organized National conference on "Recent Trends in material synthesis and characterization" on 4th& 5th Dec 2009.
2. Department of Physics organized National conference on "Recent Trends in material synthesis and characterization" on 17th Dec 2011.

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

As stated earlier, we do not have any research centre but our faculty members are involved in the research at individual/collaborative level. Following is the detail along with research areas and expertise of the different faculty members

Subject:	Specialization	Name of Faculty
Physics	Polymer Nanocomposites	Dr. S. P. Dongre
Physical Education	-----	Dr. R. K. Banerjee
Library	Library & Information Science	Dr. S. M. Sakharkar

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

As stated earlier the college is not having a registered research centre of the affiliating University. Despite its unavailability of a research centre, the faculty keeps on inviting experts on various subjects to deliver guest lectures to the students of UG level. The institute invites eminent personalities to visit campus in such a way that overall awareness of each student takes place. In the department of Physics, Dr. Khare and Prof. Acharya were invited to interact with the students of physics. Dr. Gholve from LIT Nagpur, Dr. Jugade from RTMNU Nagpur, & Dr. Sunil Ganatra from Institute of Science, Nagpur were invited to deliver lectures for the students of Chemistry. Dr. Rajkumar Khapekar was invited to interact with the college students on the topic of Environmental pollution. Dr. Nitin Dongarwar, faculty the PGTD(Botany), RTM Nagpur University, Nagpur delivered guest lecture on “Importance of conservation of Biodiversity”, Dr. T.R.Bandre was invited to deliver guest lecture on “Agropollutant and food poisoning”. Dr. A. J. Mungole, Dr. R. B. Kamble, the researchers of the PGTD(Botany), RTM Nagpur University, Nagpur were invited to interact with the students of Botany. Prof. V.G.Bhide, ex-Vice Chancellor of the Pune University and the recipient of the Padmashree award, had delivered a lecture in Physics.

Guest lectures of eminent researchers organized in the college

Session	Conference/Seminar	Department	Distinguished speaker
2004-05	Guest Lecture	Physics	Prof.V.G.Bhide, ex-Vice Chancellor, Pune University. A recipient of “ <i>Padmashree</i> ” award.
2006-07	Guest Lecture	Physics	Prof.Dr.Navneet, Ex-Head, PGTD (Physics), RTM Nagpur University.
2008-09	Guest Lecture	Bot. and Zoo.	Dr.C.B.Powar, Principal , Sindhu M.V., Nagpur
2010-2011	Guest lecture	Botany	Dr. Nitin Dongarwar, PGTD (Botany), RTM Nagpur University, Nagpur.
2010-2011	Guest lecture	Botany	Dr. T.R.Bandre, Sindhu M.V., Nagpur
2013-2014	Guest lecture	Physics	Dr. Khare, Dr. Sulabha Kulkarni of Indian Institute of Science Education, Pune.
2013-2014	Guest lecture	Botany	Dr. Rajkumar Khapekar, Sindhu M.V., Nagpur.

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?

7% staff of the college utilized sabbatical leave for research activities for the period of two years under FIP (3rd Sep 2009 to 2nd Sep 2011).

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)

As stated earlier that our college is a institution runs the courses at UG level. Hence the research at the college is limited to the faculty and in collaboration with the research lab associated with the other institution. However the faculties are motivating students for research in their higher study.

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.

No budget is earmarked for research as our college does not have recognized research lab.

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?

Institute has no provision to provide seed money to the faculty for research.

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

As per University Syllabi or curriculum no degree program includes any research work/project; hence, there is no need to provide any financial support to the students for research project. However the financially weak students are supported through the fund created by the staff and the students under EPSWS.(Economically Poor students' Welfare scheme)

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

The institute has been conducting basic degree program and in these degree programs there is no provision for research work. However, for the inculcation of research aptitude in the students, institute takes several initiatives like interdisciplinary seminars and poster competition on the current, relative and burning issues in Physics, Chemistry, Botany, Zoology and Environment Science. Since Environment Science and Computer Science are the top priorities of the global science, more emphasis is given on interaction amongst the students so as to generate a common thinking from every angle for interdisciplinary research. The Course of Environment Science designed by the University is taken up by all the students up to degree level and its altogether impact on the society draws more attention on these issues of research.

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

Library facilities help the staff and students to take a forward step to pursue research in their relevant field/interests. The Institute has a well stocked library which includes latest syllabi as well as reference books of all relevant subjects and various disciplines. The institute is always eager to purchase new edition of books every year. Only last year the college had purchased new books worth **Rs.3, 00,000/-** under XI plan UGC scheme.

Basic research facilities are available in few departments. Each department has relevant infrastructure and instruments for basic research work. Internet connectivity has also been provided in a few departments to help them review their academic as well as research programs. Institute also ensures that the deserving students should be facilitated to use the equipments, books, Journal.

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 college is a more than 22 years old institution. Taking into consideration the age of the college, college applied for equipment grants to the UGC during the 11th plan. & general development assistance grants during 12th plan of UGC. The UGC has sanctioned **Rs. 26 lakhs** to purchase the equipments especially for the various departments. These equipments can be utilized by the UG students and faculty researchers. [EQUIPMENTS PURCHASED UNDER THE UGC].

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 four years.

Some of the faculty members have applied to the UGC for the individual research projects. College has given the undertaking to the UGC that in case expenditure incurred by the research faculty is more

than the sanctioned amount from the University, then institute will bear the expenditure from its own resources. The details of the sanctioned MRP to college faculty are as under.

Department	MRP Title	Sanctioned amount in Rs	Received amount	Institute expenditure
Physics	1. Studies on Synthesis, Characterization and properties Of Some Conducting polymer and its Composites”. 2.”Studies on Characterization And Application Of Chemically Synthesized, Some Conducting polymer and It’s Nano-Composites” 3. “Acoustical Study of Pollution level in local water bodies for testing Potability”	415000	352000	Nil
Chemistry	1. Studies on synthesis, Characterization & properties on some conducting metal nanocomposites 2. “Studies and characterization of chemically synthesized conducting polyaniline-maganese oxide nanocomposites”	234000	209000	25000
Zoology	1. Studies and analysis of industrial effluents of paper mills and crude oil industry in Saoner region: Effect of treated water on nearby water bodies 2. Study of Plasma Progesterone concentrations of corpus luteum in the microchiropteran bat Hipposideros speoris (Schneider) during estrus and pregnancy period	155000	144813	Nil
Mathematics	Study of Heat conduction in Thermoelasticity A Boundary value problem.	75000	55000	Nil
Botany	Survey on ethnomedicinal & phytosociological plants of Saoner Tehsil and their Phytochemical Analysis.	115000	85000	Nil
Librarian	Institutional Repository Creation	1,10,000	90000	Nil

3.3 Infrastructure for Research

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

As mentioned earlier, our college is an under graduate college and curriculum of the courses available in the college does not carry any research component, hence no research scholar is enrolled. But in spite of this, the basic research facilities are available for the faculty. Internet connectivity has also

been provided to many departments to enable the faculty and students to review their academic as well as their research programs.

Following are the lists of major equipments in the college:-

List of the Major Equipments in the Department of Botany

Sr. No.	Name of the instruments
1	Compound Microscope
2	Compound Binocular microscope
3	Stereoscopic Microscope
4	Dissecting Microscope
5	Autoclave
6	Physical balance
7	Soil sieve test
8	Plant press
9	Vasculum
10	Slide cabinet
11	Centrifuge machine
12	Pen type pH meter
13	Optical instrument
14	Plant physiology instruments
15	Fossil specimen
16	Charts (Botanical)
17	Plant collection set
18	Permanent slides
19	Water distillation plant
20	Double demonstration eyepiece
21	Decibel meter
22	Herbarium cabinet
23	Magnetic stirrer
24	TDS tester
25	Video scope
26	TLC Kit
27	Soxhlet apparatus
28	Mantle / Heater
29	Computer

List of the Major Equipments in the Department of Zoology

Sr. No.	Name of the instruments
1	Carl Zeiss lens Model: Stemi DV4 (Dissecting Microscope)
2	Digital Balance
3	Conductivity meter
4	pH meter
5	Digital dissolved oxygen meter
6	Turbidity meter
7	Oven hot air
8	Occular micrometer
9	Thermometer digital
10	Digital Photo electric colorimeter
11	TDS Water tester

12	Enlarger
13	Computer
14	Refrigerator

List of the Major Equipments in the Department of Chemistry

Sr. No.	Name of the instruments
1	Analytical Single pan balance
2	Visible Spectrophotometer
3	Digital weighing machine
4	Centrifuge machine
5	Digital conductometer
6	Digital potentiometer
7	pH meter
8	Abbe's Refractometer
9	Polarometer
10	Oven
11	Shaking machine
12	Steam distillation unit(steel)
13	Computer
14	Double pan weighing balance

List of the Major Equipments in the Department of Physics

Sr. No.	Name of the instruments
1.	UV-Visible spectrophotometer
2.	Hot air oven
3.	Hydraulic press machine
4.	Viscometer,
5	Pellet machine
6	Ultrasonic Interferometer
7	Constant temperature bath
8	Computer

List of the Major Equipments in the Department of Computer Science

Sr. No.	Name of the instruments
1	Computers – 53
2	Printers (dot matrix) – 11
3	Microprocessor kit – 1
4	Wireless router
5	Web camera

List of the Major Equipments (Gym) in the Department of Physical Education

Sr. No.	Name of the instruments
1	Treadmill
2	Upright Bike
3	High Pulley
4	Bench Press
5	Leg press

6	Arm Curl
7	Butterfly
8	Wrist conditioner

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.

No.

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

As such, there are no research facilities outside the campus and other laboratories.

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

Our College library has catalogue and journal facilities. The library consists of 4261 books, 366 reference books, 21 periodicals and 5 Magazines. It also provides the facilities like the INFLIBNET (N-List consortia), etc.

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.

In the college campus the following infrastructure exists which can be utilized for teaching as well as research-

- Laboratories
- Library
- Computers
- Instruments
- Class rooms
- Multipurpose Hall
- Seminar Hall

Staff & students are benefited when guest lectures are arranged.

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) -Nil

* Original research contributing to product improvement -Nil

* Research studies or surveys benefiting the community or improving the services - Nil

* Research inputs contributing to new initiatives and social development -Nil

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?

No.

3.4.3 Give details of publications by the faculty and students:

* Publication per faculty

Sr. No	Name of the faculty	Department	No. of publication	National	International
1	Dr. P.K. Nimishe	Physics	08	03	05
2.	Dr. S. P. Dongre	Physics	10	07	03
3.	Mr. P. B. Dabrase	Physics	12	10	02

4	Dr. P. R. Kakde	Chemistry	07	02	05
5	Dr. Mrs. P.W.Chinchkhede	Chemistry	02	01	01
6	Dr. A. H. Ghiya	Chemistry	03	03	00
7	Dr. V. D. Doifode	Botany	06	02	04
8	Dr. P. S. Athavale	Botany	06	03	03
9	Mr. R.H.Bhake	Mathematics	Nil	Nil	Nil
10	Dr. P.M.Salve	Mathematics	11	04	07
11	Mr. M.P.Barbate	Zoology	02	02	00
12	Mrs. A.M.Watkar	Zoology	12	10	02
13	Dr. Mrs. S.M. Sakharkar	Librarian	19	06	13
14	Dr. R.K.Banerjee	Physical Education	16	12	04

* **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.) - Nil**

* **Monographs - Nil**

* **Chapter in Books**

Sr. No.	Name of Faculty	Title of Book	Publisher with ISBN	Chapter in Book
1	Dr. P. R. Kakde	1.New Approach in Chemistry Sem-I	S-Chand & Co. New Delhi ISBN:978-93-843-1957-1	2
		2. New Approach in Chemistry Sem-II	S-Chand & Co. New Delhi ISBN:978-93-848-5724-0	2
2	Dr.A.H.Ghiya	Inorganic Chemistry	G.C.Publications, Nagpur.	2
2	Dr. S.P. Dongre	T.Y.B.Sc. Sem -1 Paper – IV	Vrinda Publication, Jalgaon ISBN No.81-7815-025-5	2
3.	Mr. P.B. Dabrase	Practical Physics- BSc- Sem-I	Sai Jyoti Publishers, Nagpur ISBN: 978-93-81432-93-8	4
		2.Practical Physics- BSc- Sem-II	Sai Jyoti Publishers, Nagpur ISBN: 978-93-81432-51-8	4
		3.Practical Physics- BSc- Sem-III	Sai Jyoti Publishers, Nagpur ISBN: 978-93-81432-92-1	4
		4.Practical Physics- BSc- Sem-IV	Sai Jyoti Publishers, Nagpur ISBN: 978-93-81432-52-5	4

4.	Dr. V. D. Doifode	Palaeobotany and morphology of angiosperms	GC Publishers Ed. 2013; ISBN978-93-82962-19-9.	13
5	Mr. M. P. Barbate	1. Life & diversity of Animals.	Celebrations infomedia, Nagpur. ISBN-NA.	03
		2. Molecular biology and Immunology.		02

* **Books Edited - - Nil**

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

Sr. No.	Name of Faculty	Name of Book	Publisher with ISBN	Main Author/Co-author
1	Dr. R.K.Banerjee	1. Sports Encyclopedia Total Pages -325, Chapter 1 to 24.	Khel Sahitya Kendra 7/26, Ansari Road DaryaGanj, New Delhi-110002 978-81-7524-749-9	Main Author
		2. Dictionary of Health and Physical Education. Total Pages -285, Chapter 1 to 14.	Khel Sahitya Kendra,7/26, Ansari Road DaryaGanj, New Delhi-110002 978-81-7524-750-5	Main Author
		3. Guidance and Counselling in Physical Education. Total Pages -285, Chapter 1 to 14.	Khel Sahitya Kendra 7/26, Ansari Road DaryaGanj, New Delhi-110002 978-81-7524-751-2	Main Author
		4. Sharirik Shiksha me Sankhikhiya tatha Computer Anuprayog. (Statistics and Computer Application in Physical Education). Total Pages -219, Chapter 1 to 14.	Khel Sahitya Kendra,7/26, Ansari Road DaryaGanj, New Delhi-110002 978-81-7524-752-3	Main Author
2.	Dr. P.R. Kakde	1. Physical Chemistry, B.Sc. I	G.C.Publishers, 300 Vitrag Appt., Hasanbag Road, Nandanwan Colony, Nagpur. ISBN: 971-88-427 -2178-1	Main Author

		2. Physical Chemistry, B.Sc. II	G.C.Publishers, 300 Vitrag Appt., Hasanbag Road, Nandanwan Colony, Nagpur. ISBN:971-88-425 -4578-0	Main Author
3.	Dr. V.D. Doifode	1. Structure Development And Reproduction In Flowering Plants	GC Publishers Ed. 2012; ISBN 978-81-925501-8-3.	Main Author
		2. Anatomy And Embryology Of Angiosperms	GC Publishers Ed. 2014; Isbn978-93-82962-59-5.	Main Author
4	Mr. P. B. Dabrase	1. Practical Physics- BSc- Sem-I 2. Practical Physics- BSc- Sem-II 3. Practical Physics- BSc- Sem-III 4. Practical Physics- BSc- Sem-IV	Sai Jyoti Publishers, Nagpur ISBN: 978-93-81432-93-8 ISBN: 978-93-81432-51-8 ISBN: 978-93-81432-92-1 ISBN: 978-93-81432-52-5	Co -Author

* Citation Index - NA

* SNIP - NA

* SJR - NA

* Impact factor –NA

* h-index NA

3.4.4 Provide details (if any) of

* Research awards received by the faculty

Sr. No.	Name of the faculty	Department	Particular
1	Mr. P. B. Dabrase	Physics	1. Best paper award I National conference on Material Characterization by Ultrasonics at AMITY, New Delhi. Year-2011

			<p>2. Best poster presentation award in National Conference NCRTMSC-2011. Organized by Bhalerao Science College, Saoner. Year-2011.</p> <p>3. Best paper presentation award in International symposium on Ultrasonics by Ultrasonics society of India at ISU, Nagpur. Year-2015.</p>
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*** Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**

Sr. No.	Name of the faculty	Department	Particular
1	Dr. V.D. Doifode	Botany	<p>“Economically poor students’ welfare scheme” a case study; UGC & NAAC sponsored National Conference at D. B. Science College Gondia; August 2012. Proceeding: ISBN-978-93-5087-006-8. “Best case study” Presentation award.</p>
2	Prof.Mrs.A.M.Watkar	Zoology	<p>1.Shahu Maharaj State award for teaching.(2013)</p> <p>2.International Society for Humanities award for teaching.(2014)</p>
3	Dr.R.K.Banerjee	Physical Education	Bharat Shiksha Ratan Award (2015)

3.5 Consultancy

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

We have a placement cell in our college which communicates from time to time with the companies and fulfill their requirements. The institute keeps in touch with the passed out students of the college who are presently working in the companies. These students are also very helpful in arranging the visits of our college to such companies and also for placements.

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

The college has not made any special effort to establish consultancy.

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

The Institute makes every effort to encourage the staff for utilization of all human resources, intellect and available facility in the campus to promote liaison with industries/companies so as to thicken the ties between the two in a very flexible manner by which the consultancy services gets a boost.

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

Nil

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?

Not applicable.

3.6 Institutional Social Responsibility (ISR) and Extension Activities

3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The College has always felt concern about the students, and, especially those which belong to weaker sections of the society. By providing reservations, financial aids, scholarships and relaxation in qualifications for socially backward classes, the college has seen a significant increase in students' participation in social issues during last few years. The college aims at providing higher education to create just, plural and equitable society in consonance with constitutional values. The major strength of this college is its ability to ensure holistic development of students, and, to make them responsible citizens. The college is an 'equal opportunity' institution established to provide knowledge and quality education to all sections of society. It aims to maintain modern outlook with contemporary developments without compromising moral values. It cares to provide knowledge and quality based education to the students by inculcating moral values, and, scientific temper. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the national and global challenges. The institute is conscious of its role in campus-community connection, wellbeing of its neighborhood and has initiated a number of community development activities. These include:

- Organizing regular blood donation camps
- Involvement of the faculty, students, and also neighboring institute/s for raising various charity activities and relief funds during natural calamities.
- Providing TA to economically backward class students.

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

The college has a well established unit of the National Service Scheme (NSS). Through this unit, the college encourages students to participate in various social activities. The institute has motivated the students to "plastic free campus" by banning the use of plastic in the campus. It is through such activities, the students learn the values of ownership and sharing of responsibilities.

Following social activities were conducted in the college:-

- Environment Awareness campaign is conducted by the students every year.
- Need-based extension activities are conducted through different committees and NSS
- Considering the importance of computer awareness, we provide easy and cheap access to computer education to our support staff.
- Meditation program and health related programs like yoga and art of living activities are also organized and maximum students join these events.
- A one day workshop “Vaidu samhelan” was organized by the Botany department of college to aware the students and citizen about importance of locally available herbal medicine.
- Rallies were organized by the college on the aspects of “Eradication of corruption from the society”, “National Youth Day” etc.
- Students were encouraged to participate in competitions organized by the Social Forestry wing of the State Forest Department.
- Students participated in the “Tree Plantation program” organized under the Department of Environment & Forests scheme, “NEAC” to Dr.V.D.Doifode of the Botany Deptt.
- The NSS volunteers also participated in “Tree Plantation” at village Adasa, a program organized by the local MLA.
- Ms. Latika Mane, a State award winner sports person of the Saoner city was felicitated in the college.
- The “Samvidhan Diwas” was organized every year to make the students aware about the importance of the constitution of India.

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

The goals and objectives of the College are prominently displayed in the prospectus given to the students at the time of admission. Immediately after admission the students are made aware of these goals and objectives. The institute has evolved a stakeholders’ web by forming different platform like Alumni, Chemical Society with a fair representation of Students. The IQAC in the planning process considers feedback collected from the entire stakeholder to prepare perspective on development.

Students:

- We value the opinions and needs of our students.
- Suggestion / Complaint box is placed in the office of the college which is accessible to students.
- Students have the freedom to approach the Principal during working hours without prior appointment.

Parents:

- Principal and, staff interact with guardians in the parents’ meeting.
- They are informed about their wards academic performance and attendance records through meetings, letters and phone calls.
- Direct interaction of the guardians with the H.O.D. is also encouraged.
- Parents of any student are allowed to meet the teachers, Coordinators and Principal on any day of the week at any time to make any suggestions or complaints.

Staff:

- We have regular staff meetings to keep the staff updated about changes and developments of the institute.
- Most of the decisions are taken only after consultation with the staff during staff meeting.

Alumni:

- We have constituted an alumni Association with a Teacher In-Charge. The association organizes meetings and has regular formal and informal interactions. Any alumnus is free to give their suggestions for the better working of the college, and the overall development of the

students. On dt.29-1-2011, the alumni association of the college had arranged a guest lecture of Mr.Sateej, a prominent career counselor of Nagpur; on the topic of “Career options” A farewell function for the final year students was also arranged.

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 regularly organized a number of outreach activities which relate to academic, social, cultural, community service, etc. The college with the help of many voluntary organizations and NGOs organizes the outreach programs. The NSS unit has conducted several blood donation camps and tree plantations. The expenditures for the same are generally bourn by such organizations but over and above if need arise; it is reimbursed by college. **The NSS volunteers are duly awarded the incentive marks** as per the rules of the affiliating University. In the past 4 years the following extension and outreach programmes have been conducted by the college:

NSS ACTIVITIES ORGANIZED IN COLLEGE

From session 2009-10 to 2014-15

Sr.no.	Name of the Activity	Year
01	Blood donation camp.	2009-10
02	Shramadan by NSS volunteers.	2010-11
03	“Shanti Yatra”	---do---
04	Tree Plantation by NSS volunteers at Adasa organized by Shri.Sunil Kedar, MLA.	2011-12
05	“Beti bachao” rally.	---do---
06	Poster exhibition on “Ill effects of drug addiction”.	2012-13
07	Tree Plantation.	---do---
08	Blood donation camp and tree plantation.	2014-15

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?

The college under takes wide spread cross-curricular enrichment activities through NSS and other forms of community development activities. During admission and orientation, the representatives of these units apprise students on the benefits and scope of the extension activities. The detail of the program is displayed on the notice board and an interaction of students is organized with NSS officer.

3.6.6. Give detail on social surveys, research or extension work (If any) undertaking by college to ensure social justice and empower students from underprivileged and vulnerable sections of society?

No.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they implement student’s academic learning experience and specified the values and skill inculcated.

Objectives:

Extension activities conducted by the institute always imbibe academic learning experience, values and skills not only in students but faculty too. These activities refresh the environment of the institute as well. The major strength of this college is its ability to ensure holistic development of students to make them enlightened citizens. The college is an 'equal opportunity' institution established to provide knowledge and quality education to all sections of society. It aims to maintain modern outlook with contemporary developments without compromising moral values. To provide knowledge and quality based education to the students by inculcating moral values, scientific temper and employing state of the art technologies. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the national and global challenges.

Outcome:

The result of the participation in the various socially relevant activities has resulted in inculcating the feeling of being socially awakened citizens in the students. The students who have been a part of this process are spreading awareness in the institution and motivating other students as well to stand tall for the cause of social upliftment.

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 initiative of the institution that encourages community participation in its activities?

The institution is roping in communities to actively participate in all the extension activities. This has contributed to both community- institution networking and development of institutions.

- The local villagers are initially consulted and the youth of the villages are invited to involve in all the NSS activities.
- Extensive local participations are witnessed during tree plantation, blood donation program etc.

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

Institution has approach to the institutions of the locality to establish the relationship to execute various outreach and extension activities, but it could not be materialized up to our expectation.

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

The institution has not received any award for the extension activities.

3.7 Collaborations

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.

As it has been stated earlier, the college has been running UG level for a long time without recognized research laboratory. But college eagerly assists the young researcher by way of providing instruments purchased under MRP/UGC scheme.

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.

The college has not made MoUs/collaboration with any other institution/Universities/industries.

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.

Interaction with eminent personalities from various reputed universities and industries is very useful for the creation of establishing better academic facilities for staff and students. The college although does not enjoy any MoUs but still many reputed firms visit the institution for the placements.

3.7.4 High-lighting 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.

Session	Conference/Seminar	Department	Distinguished speaker
2011-2012	National Conference Dated 17 th Dec 2011	Physics	1. Dr. V.A. Tabhane 2. Dr. S. J. Dhoble 3. Dr. Kishor Rewatkar 4. Dr. S.V. Moharil 5. Dr. S. B. Kondawar 6. Dr. Mrs. Mahuyadas Gupta 7. Dr. D. R. Patil

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
- b) Internship/ On-the-job training
- c) Summer placement
- d) Faculty exchange and professional development
- e) Research
- f) Consultancy
- g) Extension
- h) Publication
- i) Student Placement
- j) Twinning programmes
- k) Introduction of new courses
- l) Student exchange
- m) Any other

The college has been running UG level courses for a long time. Hence the research activities at the students' level are not undertaken because the research is not a part of the curriculum. And this is the major reason why the college has not been involved in the signing of any MoUs or formal agreements that could help facilitate any of the above mentioned requirements. However, the faculty members which are registered Ph. D supervisors carried out their research work at the respective PGTD of the RTM Nagpur University, Nagpur.

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

Not Applicable.

**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?

POLICY FOR CREATION & ENHANCEMENT

In order to create and improve the infrastructure that facilitates effective teaching and learning, the policy is framed according to the strength of students in college. The requirement about the improvement in the infrastructure is first put up in the meeting of the College council. The policy about it is framed based on the strength of the lecturers appointed in the institution.

The decision /s are then forwarded to the LMC. Deliberations take place in its meeting on the issues related with the infrastructure. The decision/s taken in the LMC is then forwarded to the Government body for their approval and availability of funds. With the increase in strength, and, depending on the requirement, the institution approaches UGC for granting funds under various schemes.

The management looks into the matter, and, extends help as and when any infrastructural change is required. The infrastructural enhancement is funded based on need, and, on the availability of the funds.

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 sufficient physical infrastructural facilities to support the teaching-learning process. The main campus is spread over 8000sq. meter of land. Almost all the Departments have separate self-contained built up area. Our College has spacious seminar/conference halls, adequate number of classrooms, well equipped laboratories, and, separate staff-room for the faculty.

The College has a separate block for administration. The Library, with adequate space, houses large number of books and journals, Internet, and other support facilities. It is located on the ground floor. The College has an out-door Play Ground for sports activities. The College also has one fully furnished and equipped Computer Lab. The infrastructure involves spacious class rooms, proper ventilation, seating arrangement, and, proper visibility for both students and lecturers. There is a facility of common room for girls. The college has separate toilet for male staff, female staff, girl students and boys' students.

(A) For curricular and co-curricular activities:

i) **Class rooms:** Our College has 7 spacious class rooms with proper lighting and ventilation. The college has spacious laboratories and the same are utilized as class room as and when required before or after the practical classes.

ii) **Technology Enabled learning facility:** The College has the provision of OHPs, Multimedia projectors for learning, Wi-Fi connectivity and internet access. The Computer Department of the college is situated in a separate independent block where the UG level classes of BCA & B.Sc. Computer science are run.

iii) **Seminar Hall:** The College has one seminar hall and one multipurpose hall. It is optimally used for conducting conference (state and national level), seminars, guest lectures, and for organizing cultural activities and indoor sports.

iv) **Tutorial rooms:** The class rooms are used as tutorial rooms. No special arrangement is made for tutorial room.

v) **Laboratories:** The College has five well equipped laboratories for the conduction of practical classes.

vi) Botanical Garden/Animal house: The College has a botanical garden.

vii) Specialized Facilities and equipments available for teaching, learning and research: The college has a computer lab with 53 computers. The staff is given free access to internet so that they can enrich their knowledge, and, then in turn the students can benefit from their experience and knowledge. LCD projectors, Laptops, Visualizer and the Over head projector are also available for the teaching process.

4.1.2 (B) For extracurricular activities:

Sports:-The college since long has been participating in various inter collegiate level tournaments.

Outdoor Games: A spacious 2.5 acre play ground is available for outdoor games i.e. cricket, athletics, Kabaddi, Kho-Kho, Volley Ball, Football etc.

Indoor Games: Facilities for the indoor sports like Badminton, Table Tennis, Chess, Carrom & Yoga etc, are provided to students in the college multipurpose hall.

Gymnasium: The College has a gymnasium facility with equipments like the Treadmill, Upright Bike, High Pulley, Bench Press, Leg press, Arm Curl, Butterfly, and Wrist-conditioner.

Seminar Hall: The college has a seminar hall in the college campus with the seating arrangement for approximately 200 students.

Multipurpose hall: All the indoor games are arranged in the multipurpose hall, and, also the cultural activities.

NSS: The College has a NSS unit of 50 volunteers. Various socially relevant events are conducted by the NSS unit e.g. blood donation camp, tree plantation, and, other social awareness programme like rallies.

NCC: College has no NCC unit.

Cultural Activities: Various cultural events such as dance, drama, musical programme, debate, elocution, quiz, extempore speech, etc. are organized at the college& intercollegiate level.

Public speaking communication skills development: Personality development programmes are run by the college which involves various activities like public speaking, communication and soft skills development etc.

Yoga: The College daily organizes Yoga classes for the students in the college multipurpose hall. Many students got benefit with out of it. *Suryanamskar, Pranayam – Anulom-Vilom, Bhramri, Kapalbharti, Mandukasan* with spiritual prayer is conducted.

Health and Hygiene: In addition to above mentioned activities, our College has taken care of the health and hygiene of the college students and staff. Proper arrangement for drinking water is available in the college campus (R.O. purified drinking water). A first aid box is also there for the treatment of minor injuries and sickness.

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).

The regular assessment is done on requirements of the college. Steps are taken to meet the requirement e.g. College purchased furniture such as desk benches, chairs, almirahs etc. Available infrastructure is optimally utilized. The college laboratories such as Botany, Physics, and Zoology are as class-rooms in case of exigency.

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

The institute ensures that infrastructure facilities meet the requirement of the students with physical disabilities. So far, the college did not face dire need in this matter. In future, the institution will accommodate them on the ground-floor. Such students will be offered front-row seats, help of an attendant, and, a ramp facility. The library facility is provided at the ground floor. The needs of the physically challenged students will be fulfilled by the support staff (in their movement within the campus). The students will be given extra attention during the college terminal examinations as well as during the final examinations.

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

- **Hostel Facility – Accommodation available**
- **Recreational facilities, gymnasium, yoga center, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audio-visual equipments**
- **Available residential facility for the staff and occupancy Constant supply of safe drinking water**
- **Security**

Hostel Facility: The College has no hostel facility for the students.

Recreation facilities: The college has a Multipurpose hall in the college campus.

Computer Facility including access to Internet in hostel: Not applicable.

Medical room: No special arrangement of medical room is available.

Library: The College has a library in the college campus. A reading room facility is available in the library, both for the students as well as for the members of staff.

Hygiene facilities: Daily upkeep of the wash rooms is practiced.

Security: Private security guard is appointed by the governing body.

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?

No special arrangement of medical room is made. If required, any staff member, teaching or non-teaching either call a local doctor or carry the patient to the clinic.

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, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

The college has clearly marked place for the common facilities available on the campus. These facilities include IQAC (Internal Quality Assurance Cell), Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance cell, Placement Unit, safe drinking water facility, and provision of auditorium etc. the details of such facilities are here as under:

Sr. No	Unit	Place of location	In-charge
1	IQAC	Principal office	Dr. P.S. Athavale
2	Grievance Redressal Cell	Chemistry deptt.	Dr. P.R. Kakde
3	Women’s cell	Chemistry deptt.	Dr. Mrs. P. W. Chinchkhede
4	Counseling & Career Guidance	Mathematics deptt.	Dr. Ms. Pravina Salve
5	Placement cell	Zoology deptt.	Mrs. Amita Watkar

6	Discipline committee	Physical education	Dr. Rajatkumar Banerjee
7	NSS	Physics deptt.	Dr. S. P. Dongre
8	NRC	Computer Sci. deptt.	Mr. V. R. Junghare
9	Equal Opportunity Cell	Library and Information Science	Dr. Shalini M. Sakharkar

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?

The College library has a very effective and efficient Advisory Committee. The composition of the Library Advisory Committee is as under:

1. Principal – Chairman
2. Librarian – Secretary
3. The HOD's of all the department of the college – Members.

The Library Advisory committee's recommendations have been fruitful in improving the working of the college library.

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)

Sr. No	Item	Particulars
1	Total area of the library	130 sq. mts.
2	Total seating capacity	35
3	Working hours	On every working day from 7.30am to 2.30pm.
3(A)	before examination days	7.30am to 2.30pm.
3(B)	During examination days	7.30am to 2.00pm.
3(C)	during vacation	7.30am to 2.00pm.
6	National holiday & Holidays	Closed
7	Lay-out plan	NA

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 principal of the college circulates a notice and requisitions for books are invited from all the head of departments. Every department of the college is asked to submit the lists of books, magazines and journals to be purchased with reference to new syllabi and current needs of the students. The lists are forwarded to the librarian. A purchase committee is constituted. The members of book purchasing committee are sent to purchase books, magazines and journals from different sources. Whenever any book fair is held, the college makes necessary arrangements for the purchasing of the books. The amount spent on procuring new books etc. during the last four years is as under:

Library holding	Year 2010-11 Rs	Year 2011-12 Rs	Year 2012-13 Rs	Year 2013-14 Rs	Year 2014 - 15
Text Books	00	Rs. 208709	36636	00	00
Reference Books	394	Rs.103736	00	00	00
Journals	Rs. 1744	Rs. 21104	Rs. 39541	00	00
Periodicals	00	00	00	00	00
Newspapers	00	00	Rs. 490	Rs. 2378.50	00
E -resource	00	N-list Rs. 5000	00	00	00

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

- * **OPAC**
- * **Electronic Resource Management package for e-journals**
- * **Federated searching tools to search articles in multiple databases**
- * **Library Website**
- * **In-house/remote access to e-publications**
- * **Library automation**
- * **Total number of computers for public access**
- * **Total numbers of printers for public access**
- * **Internet band width/ speed 2mbps 10 mbps 1 Gb (GB)**
- * **Institutional Repository**
- * **Content management system for e-learning**
- * **Participation in Resource sharing networks/consortia (like Inflibnet)**

Sr. No	Content	Comment
1	OPAC (Online public access catalog)	No
2	Electronic Resource Management package for e-journals	N-List
3	Federated searching tools to search articles in multiple databases	
4	Library Website	No
5	In-house/remote access to e-publications	Yes
6	Library automation	Yes
7	Total number of computers for public access	Nil
8	Total numbers of printers for public access	Nil
9	Internet band width/ speed <input type="checkbox"/> 2mbps <input type="checkbox"/> 10 mbps <input type="checkbox"/> 1Gb (GB)	Yes
10	Institutional Repository	Yes
11	Content management system for e-learning	No
12	Participation in Resource sharing networks/consortia (like Inflibnet)	Yes.(N-List)

4.2.5 Provide details on the following items:

- * **Average number of walk-ins**
- * **Average number of books issued/returned**
- * **Ratio of library books to students enrolled**
- * **Average number of books added during last three years**
- * **Average number of login to opac (OPAC)**
- * **Average number of login to e-resources**
- * **Average number of e-resources downloaded/printed**

*** Number of information literacy trainings organized**

*** Details of “weeding out” of books and other materials**

Sr. No.	Contents	Details
1	Average number of walk-ins	32 -35
2	Average number of books issued/returned	32 -35
3	Ratio of library books to students enrolled	1:17
4	Average number of books added during last three years	1048
5	Average number of login to OPAC	00
6	Average number of login to e-resources	00
7	Average number of e-resources downloaded/printed	00
8	Number of information literacy trainings organized	03
9	Details of “weeding out” of books and other materials	00

4.2.6 Give details of the specialized services provided by the library

*** Manuscripts**

*** Reference**

*** Reprography**

*** ILL (Inter Library Loan Service)**

*** Information deployment and notification (Information Deployment and Notification)**

*** Download**

*** Printing**

*** Reading list/ Bibliography compilation**

*** In-house/remote access to e-resources**

*** User Orientation and awareness**

*** Assistance in searching Databases**

*** INFLIBNET/IUC facilities**

Sr. No.	Contents	Details
1	Manuscripts	No
2	Reference	Yes
3	Reprography	Yes – 01
4	ILL (Inter Library Loan Service)	Yes
5	Information deployment and notification	Yes
6	Download	Yes. 2009 – 2013
7	Printing	Yes. 2009 – 2013
8	Reading list/ Bibliography compilation	Yes
9	In-house/remote access to e-resources	Yes. 2009 – 2013
10	User Orientation and awareness	Yes.
11	Assistance in searching Databases	Yes. 2009 – 2013
12	INFLIBNET/IUC facilities	Yes. 2011 – 2012 session.

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

Helpful library staff is accessible to students and teachers in finding the books. Our college has only one librarian and one attendant. They keep the library noise free so that serious studies could be carried out in the library. The attendant provides the list of catalogues of various publishers to teachers so that new and relevant books can be purchased for library. The students are helped by the Librarian

and attendant to access the books they desire. The Librarian and attendant always help the teachers as well as the students in the library.

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

In the college, so far, no such physically handicap student took admission. The physically challenged students will be given top priority for issuing the books in future.

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

Yes, by taking students opinion orally & in written form by providing them a register.

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): 53**

Configuration	Total No.
Intel Celeron 1.2 ,128 MB RAM,1.44 MB FDD, 20 GB HDD	1
Intel Celeron 1.2 ,128 MB RAM,1.44 MB FDD,40 GB HDD	2
Esys Celeron 1.7 GHz ,128 MB RAM, 1.44 MB FDD, 40 GB HDD	2
Intel P4 2.26 GHz,256 MB RAM 40 GB HDD	10
Intel P4 3.06 GHz, 512 MB RAM 80 GB HDD	5
Intel P4 3 GHz ,1 GB RAM , 80 GB HDD	23
Intel C2D 2.66 GHz ,1 GB RAM 160 GB HDD	10
Total	53

- **Computer-student ratio: 1:7**
- **Stand alone facility:** Yes
- **LAN facility:** No
- **Licensed software**

Software	Quantity
Operating System (windows vista)	18
Operating System(Windows 7)	05
Visual Studio	02
Oracle	05
Borland turbo C++ Suite	01
Borland J builder 2007	01

- **Number of nodes/ computers with Internet facility: 05**

· Any other

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

Internet service is available in the college for very few faculty at their department and students at the computer science department. The Principal office has the facility of internet. However, college provides Wi-Fi facility in the college campus.

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

The institute in the near future is optimistic as far as the infrastructural up gradation is concerned. The college intends to upgrade the configuration of the existing PCs, and, enhance the number of computers. The Department of Computer Science intends to replace the non functional parts with new parts. Non working computer hardware components are used as models to demonstrate in the classes.

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

Sr. No.	Years	Budget Allocation				Total in Rs
		Annual Maintenance	Expenses	Spares for Upgradation	Repair	
1	2011 - 12	----	----	----	----	00
2	2012 - 13	----	4140	----	2000	6140
3	2013 - 14	----	----	90220	----	90220
4	2014 - 15	----	----	----	----	----

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?

Computers are available for specific use in all the departments. The teachers liberally take help of the ICT resources to enrich their prescribed curriculum with the help of internet. The college has adequate computer facility for its faculty. The college had purchased Lap – top and computers from the grants received from the UGC’s scheme and are using for preparation of teaching/learning materials in their respective department. Also Multimedia projectors, OHPs are available within the college for the use of the faculty.

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 institution has always been placing the students at the centre of the teaching learning process. The vision and the mission of the institution has it to provide holistic knowledge to its students. Keeping the students’ learning at the centre of everything, the college understands that the teachers have to be reoriented from time to time. The times have changed. So has changed the way of imparting the knowledge. Use of technology has become very vital in imparting quality based education. The institution encourages the staff to undergo training on the computer-aided teaching. The college also has conducted one day seminar for the college faculty as well as for teachers from other schools and colleges of Saoner. The subject of seminar was “The use of computer in daily life and preparation of study materials”. The students make use of the computers and LCD projectors, visualizer, OHP during the Students’ seminar competition.

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?

Institution does not avail National Knowledge Network connectivity directly or through the affiliating University.

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)?

- a. Building**
- b. Furniture**
- c. Equipment**
- d. Computers**
- e. Vehicles**
- f. Any other**

The institution has made adequate arrangements for the maintenance and upkeep of the college infrastructure. The management ensures that enough funds are allocated and then utilized for the maintenance. *The details of the budget allocated during the last four years are as under:*

Sr. No.	Name of items	Session 2011 – 2012	Session 2012 - 2013	Session 2013 – 2014	Session 2014– 2015
1	Building	00	00	00	00
2	Furniture	21000	00	00	00
3	Equipment	00	00	00	00
4	Campus	00	104960	00	00
5	Vehicles	00	00	00	00
6	Any other	5445	52411	27977	35257

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

The maintenance and improvement of the campus is under taken with the help of the local administration. The Principal, on the basis of the perspective development plan, proposes the infrastructural needs to the concerned authorities. The college development fund is utilized for maintenance and minor repairs of furniture and equipments.

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

Annual maintenance and repair of the infrastructure is taken care of by the college in a systematic manner. Day to day maintenance is carried out by the staff appointed for cleaning and maintenance of the building. The laboratory equipments are maintained through College Development Fund. The computers and electronic devices are maintained and repaired through the funds available in the institution.

4.3.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)? Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

The college has carefully placed the sensitive equipments like water purifiers, chemicals and scientific instruments. The laboratory staff looks after the maintenance and upkeep of the scientific instruments and Chemicals. Their repair or replacement or another required upkeep is fully undertaken in their supervision.

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?

The institution publishes its updated prospectus annually. The prospectus provides all the necessary information the students need to know. The college prospectus provides a complete profile of the college. The handbook is having the admission schedule, the fee details and the rules and regulations which the students need to observe during their stay in the college. The handbook contains the list of the facilities being provided to the students. This besides the college handbook contains the information regarding the college teaching as well as the non teaching faculty. This helps the students know about the college staff.

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?

Details of Disbursement of scholarship to students:-

Year	Category	No. of students	Scholarship amount in Rs.
2011-2012	SC	17	63340
	ST	01	3842
	NT	06	9866
	OBC	67	53496
	SBC	08	10022
		Total 99	Total Rs 1,40,566
2012 – 2013	SC	15	29998
	ST	02	7200
	NT	06	7982
	OBC	84	105668
	SBC	04	5478
		Total 111	Total Rs 1,56,326
2013 – 2014	SC	32	87523
	ST	01	4969
	NT	12	21303
	OBC	109	187504
	SBC	05	6798
		Total 159	Total Rs 3,08,097
2014 - 2015	SC	35	108118
	ST	00	00
	NT	12	22444
	OBC	146	275100
	SBC	04	7546
		Total 197	Total Rs.4,13,208

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

The college caters to the academic needs of the students belonging to the rural areas and the neighboring state areas. There are lots of students who belong to the non creamy layer of the society or who are from economically weaker sections of the society. The college provides financial assistance to these students, which is received from the Central Govt., State Govt., other agencies like contribution from staff and students of the college those are voluntary contributing. Nearly more than 50% students

of the college get benefit from these scholarships. This amply substantiates the objective of the college-“To make available the higher education in science to needy, economically and socially backward and rural students.”

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**

The institution is committed to provide the students every possible help and support they need in their pursuit to become civilized and worthy citizens. The college, as stated earlier, was set up with a mission of imparting holistic education. The institution for this purpose provides the following support facilities to its students:

Students from SC/ST, OBC and economically weaker sections:

The students who belong to SC/ST, OBC and the economic weaker sections are identified during the process of the admission only. The college maintains a detailed record of the same. To make up any deficiencies, the college has started **UGC Sponsored Remedial classes** for the empowerment of SC/BC and other backward castes. In addition, Free Course for Personality Development, self defense awareness camp for the girl students organized at the college level through **equal opportunity cell**.

Students with physical disabilities:

For physically disabled students college facilitated the class room with ramp, seating arrangement, and library issuing system.

Overseas students:

Admission to the student will be given as per the University guidelines.

Students to participate in various competitions/National and International/ Organizing coaching classes for competitive exams: Travelling allowance is given to the student participants and accompanying teachers to participate in intercollegiate competitions/tournaments.

In our institution, compiled question paper set on Competitive examination is made available to the students under the “*Chanakya Dnyanvardhini spardha parikasha*”. **GK-IQ test is also organized for the students.**

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

Our College has a very special concern for the health and hygiene of the college students, staff and other members. Adequate drinking water facility is available in the college campus (R.O. purified drinking water). In case of any health related issues, the students and staff of the college immediately refer to local hospital/clinics.

Skill development (Spoken English, computer literacy, etc.)

The college regularly conducts Personality Development Programmes which enhance the expression skills and communication skills of the participants. The college also invites Guest speakers. Special classes are taken for communication skills taking into considerations the rural backgrounds of the students. Besides this, the college offers ‘Introduction to Computer Education’ as one of the training session to all the students taking admission in the first year. This has really helped the students learn the basics of the computer’s working. The girl students have learnt the finer points about self defense, and, a few have successful in getting the yellow belt.

Support for “slow learners”

The institute understands that the college has to fulfill the basic education needs of the admitted students. The students from villages have a few options to get higher education. The students who are slow in their learning or if their grasping power is not up to the mark, the faculty members identify such students at the beginning of the session. For them the institution conducts remedial classes in different subjects to enhance their skills and competence. Enrichment courses like Personality Development Programmes are also conducted to improve students’ personality and motivate them for an innovative and creative mindset.

Publication of student magazines

The college had published its annual college magazine ‘**Darpan**’ in the year 2011-12. The students & staff of the college enthusiastically contribute their articles in the magazine. The college magazine was printed in the supervision of the college editorial board. All the major sections of the magazine were having staff editors as well as the students’ editors. The staff always assists the student’s artistic and creative skills. The “Wallpaper” activity is also being run in the college.

Exposures of students to other institution of higher learning

The departments of Botany and Zoology had arranged laboratory visit to acquaint the students about the working of a Biotech.lab, especially to show them various sophisticated instruments used therein.

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

No.

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 is committed to attract students for participating in various extracurricular activities by ensuring consistent encouragement and motivation. The necessary facilities are provided and adequate funds are allotted. The in-charge teachers of the “Sports and Cultural committee” supervise the extracurricular activities & provide felicities the students. Other members of teaching and non-teaching staff also extend their support in such 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-CSIRNET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

The Institute has a separate support system for the students appearing and qualifying in various competitive examinations. Students who are interested and willing to appear in various competitive examinations are helped by the teachers in the assistance of study materials and counseling for the right strategies. Students are allowed to have access to library and to refer the books related to entrance test. In the year 2010, one of our ex-students of BCA had cleared SET examination in Computer Science.

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

The college has a “Career guidance and counseling cell”. The teacher in charge of this committee is available round the clock to help the students. The counseling cell makes adequate arrangements for the guidance of the students during the time of the admissions. The students seeking admission are counseled in the choice making matters during the admission. The choice of the career and the doubts of the students are listened to very carefully and the proper guidance is provided. The students who

need psychological counseling or any type of social counseling are also attended very patiently. The following services are made available for the students:

ACADEMIC & CAREER COUNSELING:

The students, at the time of the admission, are helped by the faculty present in choosing right subjects. They are informed about the scope and nature of the various subjects that form the syllabus. The students are not pressurized in choosing the subjects. They are given right kind of counseling which helps them shape their career.

PERSONAL & PSYCHO-SOCIAL COUNSELING:

The students during the course of their studies in the college come across various issues. They are, at times, too immature to handle the problems. The college provides them personal counseling. They can share their problems with the teachers. The teachers are very supportive in guiding them. They suggest ways to resolve the issues.

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 "Career guidance & counseling cell" in the college renders services to the students. This cell organizes career guidance and, placement interviews for the final year students. Books for preparing for the competitive examinations are also available in the college library.

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.

The "Grievance Redressal Cell" of the college actively interacts with the students to help them sort out their grievances. It attends to both registered and unregistered grievances of the students. The institution has a grievance redressal cell. The students drop their grievances in the suggestion box. Students are also free to share their grievances with the class teachers and the Principal also. The necessary action is taken after due consideration of the issues.

Grievances addressed:

· Adequate no. of class-rooms were made available, seating arrangements improved, Water purifiers were installed at major points in the college, glass panes fitted on the window frames, ceiling fans and lights were fitted in the class-rooms and laboratories, drinking water facility made available, girls' common room fitted with curtains etc. were some of the major grievances which were settled in a phase-wise manner. From the current session the college is considering about implementation of "college uniform" for the students.

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

The college has women teaching and non – teaching staff. The teacher in-charge of "women's cell" is also the lady teacher. She is available round the clock to listen to the problems of the girl students. Institution takes necessary steps if the incidents pertaining to sexual harassment require the intervention of the law. Till date no such case of sexual harassment has been reported in the institute.

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?

Ragging in colleges commonly involves serious abuses and clear violations of human rights. The University Grants Commission has made it mandatory for the institutions to incorporate in their prospectus, the anti-ragging directions of the Central Government. The college is also very cautious regarding this menace. The college has set up a committee, the anti-ragging committee in this direction. It comprises of the Head of the Institution and all the Head of Departments. Faculty members are assigned the task of enquiring with the students; make surprise visits and interaction with the freshers about this issue. Till date, no incident of ragging of any kind has been reported in the college. In the past, the "Taluka Vidhi Seva Samiti" of Saoner had organized various awareness programs and competitions on the aspect of ragging.

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

The institution is working towards ensuring social justice through the various students' welfare schemes. The induction program clearly presents the welfare schemes available to the students. The welfare schemes such as the scholarship and freeships are made available to the students as per the norms of the Government. Besides this, the EPSWS of the college on its own provide welfare scheme to the students. As such, this is the best practice of our institution.

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?

Bhalerao Science College has non-registered Alumni Association. The in-charge teacher is Dr. S. P. Dongre, Associate Professor, Department of Physics. Membership to the alumni association is free. Association regularly meets and interacts with the teacher in-charge and the Principal of the college.

5.2 Student Progression**5.2.1 Provide the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.**

(Number of students appeared in B.Sc.III examination and a few of them took admission in PG in a particular subject)

Student Progression UG to PG	Departmentwise number of students					
	Chemistry	Physics	Botany	Zoology	Maths	Computer Science
Year						
2010 – 2011	10	03	08	Nil	Nil	Nil
2011 – 2012	9	02	08	Nil	Nil	Nil
2012 – 2013	4	00	04	Nil	Nil	Nil
2013 – 2014	4	10	02	Nil	Nil	Nil
2014- 2015	5	03	04	Nil	01	Nil

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.

COLLEGE RESULTS OF THE RTM NU EXAMINATIONS

SUMMER 2010					
Title	Students appeared	I Div. & above %	II Div. %	III Div. %	Pass %
B.Sc.I	60	03.33	25.00	00.00	28.33
B.Sc.II	48	02.08	18.75	06.25	27.08
B.C.A.II	43	04.65	18.61	02.33	25.58
B.Sc.III	41	17.07	43.90	09.76	70.73
B.C.A.III	29	03.45	75.86	00.00	79.31
SUMMER 2011					

B.Sc.I	74	10.81	06.76	01.35	18.92
B.Sc.II	41	19.51	26.83	00.00	46.34
B.Sc.III	39	00.00	61.54	12.82	74.36
SUMMER 2012					
B.Sc.I	96	03.13	09.38	04.17	16.67
B.C.A.I	04	00.00	00.00	00.00	00.00
B.Sc.II	45	08.89	20.00	02.22	31.11
B.Sc.III	34	23.53	29.41	00.00	52.94
SUMMER 2013					
B.Sc.I	118	03.39	11.02	00.85	15.25
B.C.A.I	13	00.00	15.39	00.00	15.39
B.Sc.II	65	09.23	24.62	01.54	35.39
B.Sc.III	34	26.47	32.35	00.00	58.82
WINTER 2013					
B.Sc.Sem.I	119	13.45	15.97	00.00	29.41
SUMMER 2014					
B.Sc.Sem.II	119	18.49	22.70	00.00	41.18
B.C.A.I	13	00.00	23.08	00.00	23.08
B.Sc.II	82	09.76	23.17	04.88	37.81
B.C.A.II	11	09.09	27.27	00.00	36.36
B.Sc.III	42	16.67	61.91	02.38	80.95
WINTER 2014					
B.Sc.Sem.I	120	14.16	20.83	1.66	36.66
B.Sc.Sem.III	117	12.82	31.62	10.25	63.24
SUMMER 2015					
B.Sc.Sem.II	120	10.00	24.16	05.00	39.16

B.Sc.Sem.IV	116	21.55	19.82	07.75	49.13
B.Sc.III	66	12.12	31.81	18.18	65.15
B.C.A.II	11	09.09	72.72	00.00	81.81
B.C.A.III	04	00.00	100.00	00.00	100.00

COLLEGE & THE UNIVERSITY RESULTS OF THE EXAMINATIONS

SUMMER 2010						
Title	Students appeared	I Div. & above %	II Div. %	III Div. %	Pass %	RTM NU %
B.Sc.I	60	03.33	25.00	00.00	28.33	16.60
B.Sc.II	48	02.08	18.75	06.25	27.08	25.40
B.C.A.II	43	04.65	18.61	02.33	25.58	19.98
B.Sc.III	41	17.07	43.90	09.76	70.73	44.60
B.C.A.III	29	03.45	75.86	00.00	79.31	71.90
SUMMER 2011						
B.Sc.I	74	10.81	06.76	01.35	18.92	17.70
B.Sc.II	41	19.51	26.83	00.00	46.34	24.80
B.Sc.III	39	00.00	61.54	12.82	74.36	43.20
SUMMER 2012						
B.Sc.I	96	03.13	09.38	04.17	16.67	16.94
B.C.A.I	04	00.00	00.00	00.00	00.00	12.16
B.Sc.II	45	08.89	20.00	02.22	31.11	28.41
B.Sc.III	34	23.53	29.41	00.00	52.94	50.00
SUMMER 2013						
B.Sc.I	118	03.39	11.02	00.85	15.25	21.25
B.C.A.I	13	00.00	15.39	00.00	15.39	15.54

B.Sc.II	65	09.23	24.62	01.54	35.39	30.56
B.Sc.III	34	26.47	32.35	00.00	58.82	53.39
WINTER 2013						
B.Sc.Sem.I	119	13.45	15.97	00.00	29.41	19.60
SUMMER 2014						
B.Sc.Sem.II	119	18.49	22.70	00.00	41.18	29.86
B.C.A.I	13	00.00	23.08	00.00	23.08	13.31
B.Sc.II	82	09.76	23.17	04.88	37.81	30.73
B.C.A.II	11	09.09	27.27	00.00	36.36	26.93
B.Sc.III	42	16.67	61.91	02.38	80.95	62.58
WINTER 2014						
B.Sc.Sem.I	120	14.16	20.83	1.66	36.66	53.03
B.Sc.Sem.III	117	12.82	31.62	10.25	63.24	52.62
SUMMER 2015						
B.Sc.Sem.II	120	10.00	24.16	05.00	39.16	56.88
B.Sc.Sem.IV	116	21.55	19.82	07.75	49.13	52.89
B.Sc.III	66	12.12	31.81	18.18	65.15	85.22
B.C.A.II	11	09.09	72.72	00.00	81.81	21.48
B.C.A.III	04	00.00	100.00	00.00	100.00	70.32

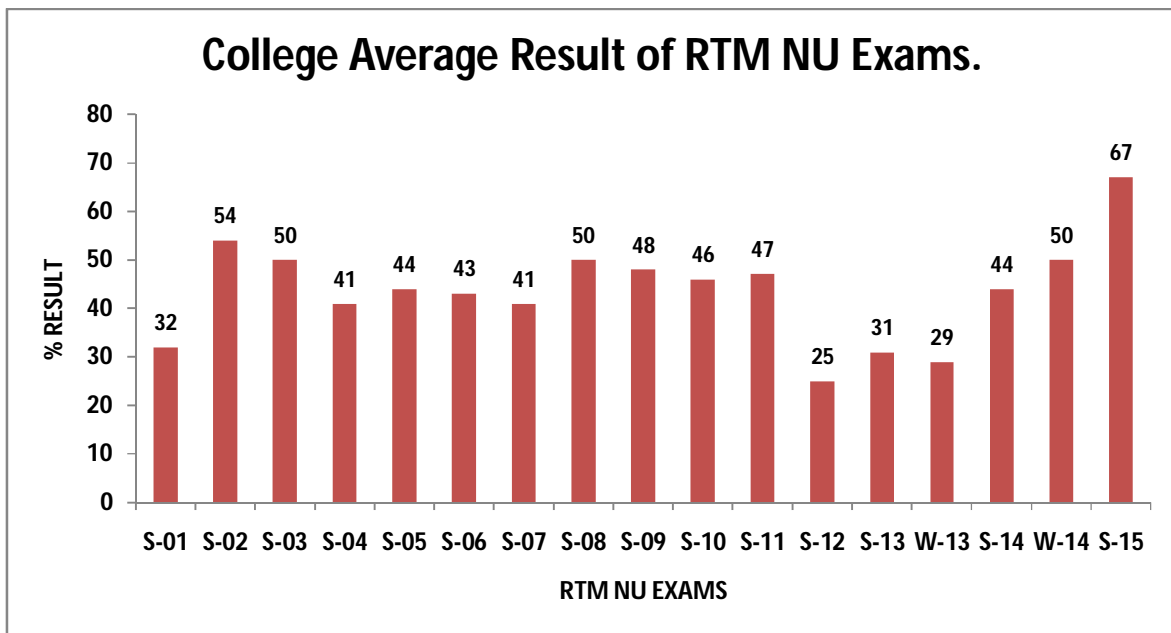
COLLEGE & THE UNIVERSITY RESULTS OF THE EXAMINATIONS

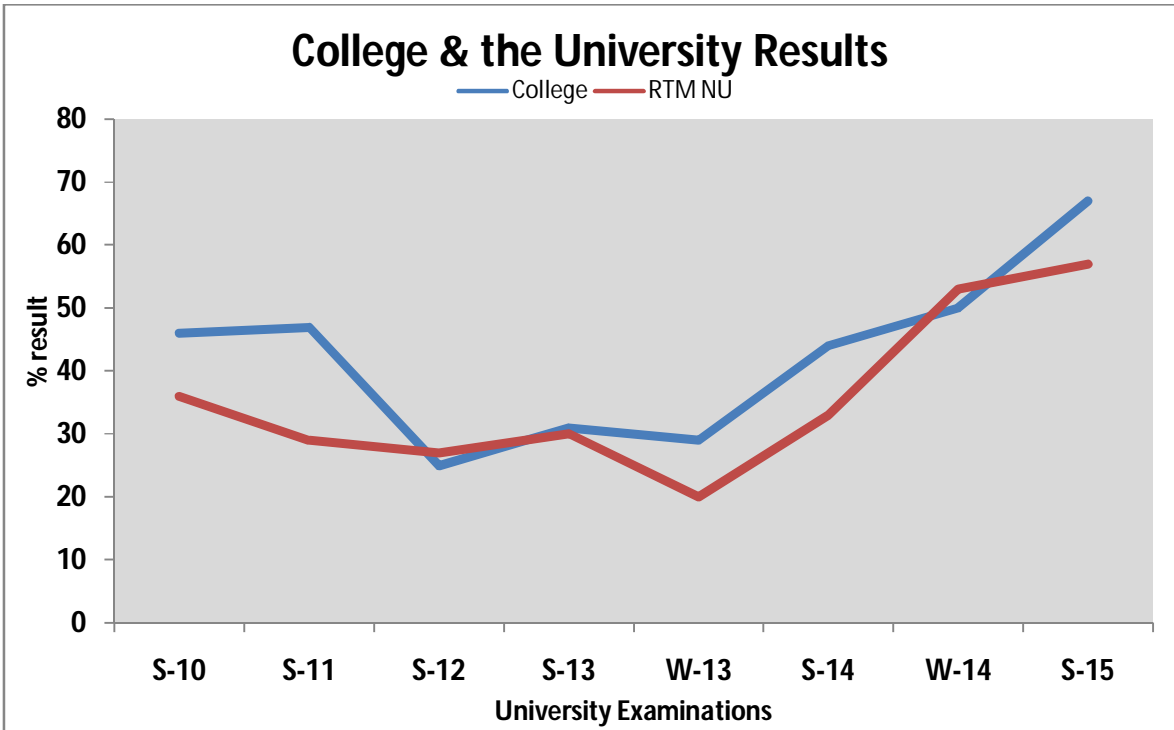
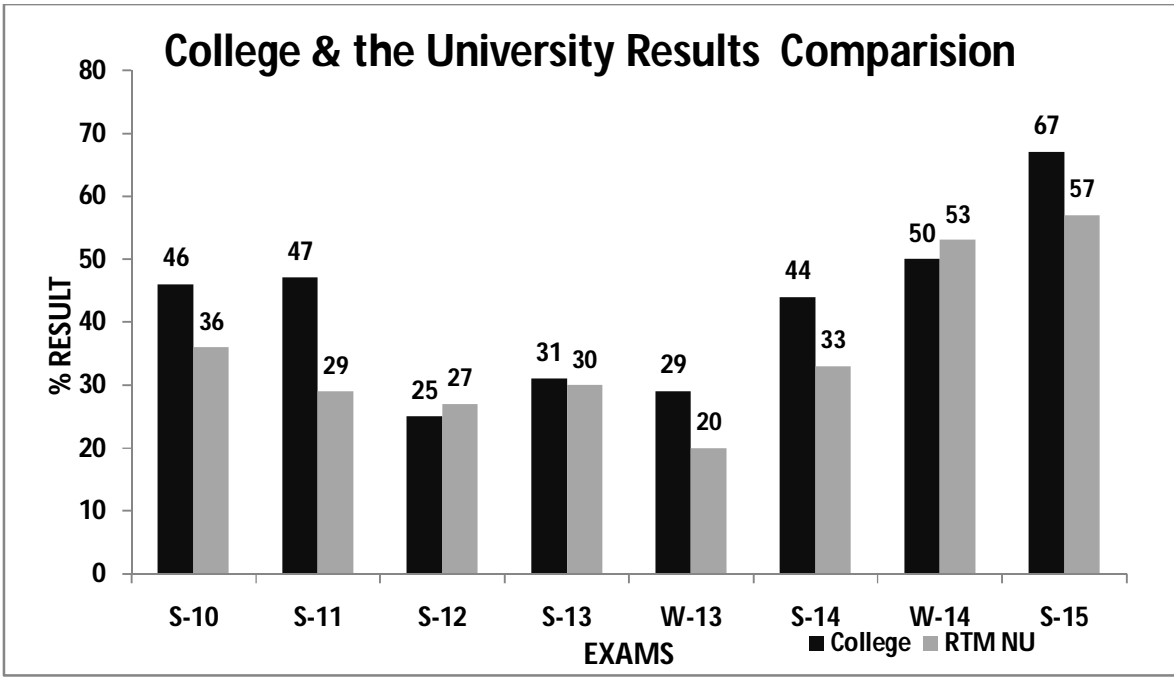
SUMMER 2010							
Title	Students appeared	Distinction %	I Div. & above %	II Div. %	III Div. %	Pass %	RTM NU %
B.Sc.I	60	01.67	01.67	25.00	00.00	28.33	16.60

B.Sc.II	48	00.00	02.08	18.75	06.25	27.08	25.40
B.C.A.II	43	00.00	04.65	18.61	02.33	25.58	19.98
B.Sc.III	41	04.88	12.20	43.90	09.76	70.73	44.60
B.C.A.III	29	00.00	03.45	75.86	00.00	79.31	71.90
SUMMER 2011							
B.Sc.I	74	01.35	09.46	06.76	01.35	18.92	17.70
B.Sc.II	41	00.00	19.51	26.83	00.00	46.34	24.80
B.Sc.III	39	00.00	00.00	61.54	12.82	74.36	43.20
SUMMER 2012							
B.Sc.I	96	00.00	03.13	09.38	04.17	16.67	16.94
B.C.A.I	04	00.00	00.00	00.00	00.00	00.00	12.16
B.Sc.II	45	02.22	06.67	20.00	02.22	31.11	28.41
B.Sc.III	34	00.00	23.53	29.41	00.00	52.94	50.00
SUMMER 2013							
B.Sc.I	118	00.00	03.39	11.02	00.85	15.25	21.25
B.C.A.I	13	00.00	00.00	15.39	00.00	15.39	15.54
B.Sc.II	65	01.54	07.69	24.62	01.54	35.39	30.56
B.Sc.III	34	00.00	26.47	32.35	00.00	58.82	53.39
WINTER 2013							
B.Sc.Sem.I	119	00.84	12.61	15.97	00.00	29.41	19.60
SUMMER 2014							
B.Sc.Sem.II	119	01.68	16.81	22.70	00.00	41.18	29.86
B.C.A.I	13	00.00	00.00	23.08	00.00	23.08	13.31
B.Sc.II	82	00.00	09.76	23.17	04.88	37.81	30.73
B.C.A.II	11	00.00	09.09	27.27	00.00	36.36	26.93
B.Sc.III	42	07.14	09.52	61.91	02.38	80.95	62.58
WINTER 2014							

B.Sc.Sem.I	120	00.00	14.16	20.83	1.66	36.66	53.03
B.Sc.Sem.III	117	01.70	11.12	31.62	10.25	63.24	52.62
SUMMER 2015							
B.Sc.Sem.II	120	00.83	09.17	24.16	05.00	39.16	56.88
B.Sc.Sem.IV	116	01.72	19.83	19.82	07.75	49.13	52.89
B.Sc.III	66	00.00	12.12	31.81	18.18	65.15	85.22
B.C.A.II	11	00.00	09.09	72.72	00.00	81.81	21.48
B.C.A.III	04	00.00	00.00	100.00	00.00	100.00	70.32

Examination Results





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

The institution facilitates student progression to higher level of education or towards employment through the proper placements in all the fields so that the students get the job as well as the chance of higher education. The institute from time to time makes arrangement of various guest lectures. Eminent personalities from diverse field of education are invited to interact with the students. This step of college has facilitated the students in earning better job opportunities. Even the personality of the student enhances after working and also provides secure future. Personality development programmes are also available for the student progression to higher level of education or employment.

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

The institution is committed to bring down the dropout rate. The socio economic, cultural and psychological issues contribute to the drop out factor. To deal with the socio cultural problems, the counseling cell and grievance cell address the problems of the students and sometimes parents too. There are a number of teachers in the college who extend financial support to the needy students. The college has arranged the fund by contribution from the staff members and the students under the banner of EPSW scheme.

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.

The college has since long times, been participating in various inter University, University level tournaments and organized various intramural tournament. A spacious 2 acre play ground is available for outdoor games i.e. cricket, athletics, Kabaddi, Kho-Kho etc. in college campus. Facilities for the sports like Badminton, Table Tennis, Chess, Carrom etc. are provided to students in the college campus only. The college participates in the competition which is organized by RTM Nagpur University Nagpur. In every Session University arrange sports and youth festivals at zonal and inter zonal levels. The college has been actively participating in these activities. The calendar of these activities is issued every year by RTM Nagpur University Nagpur

Session	Name of sports & No. of students participated		Inter collegiate	Inter University	National
	Chess	Athletics			
2011-2012	04	06	10	--	---
2012 - 2013	----	----	----	----	-----
2013 - 2014	06	03	09	-----	-----
2014 - 2015	06	01	07	-----	----

Details of students' participation in sports.

Sr.No.	Year	Name of the participant	Event	Remarks
01	2011-12	1.Mr.Nilesh B.Kachade 2.Mr.Bhaves R.Bhandarkar 3.Mr.Pranay S.Dhurde 4.Mr.Akash S.Pund	Chess	Intercollegiate Tournament.
		1.Mr.Yogesh V.Lad 2.Mr.Nilesh B.Kachade 3.Mr.Pranay S.Dhurde 4.Mr.Reetesh V.Sharma 5.Mr.Sachin R.Dhuwadhappar 6.Mr.Vikram G.Choure	Athletics	Intercollegiate Tournament.
02	2012-13	-----	-----	-----
03	2013-14	1.Mr.Reetesh V.Sharma 2.Mr.Akash Narnawre 3.Mr.Pravin S.Dulare 4.Mr.Sudhir K.Bobde 5.Mr.Premanand Chand 6.Mr.Vikram G.Choure	Chess	Intercollegiate Tournament.
		1.Mr.Vikram G.Choure 2.Mr.Premanand Chand 3.Mr.Prabhakar S.Choudhary	Athletics	Intercollegiate Tournament.
04	2014-15	1.Mr.Premanand Chand 2.Mr.Abhijeet B.Surkar 3.Mr.Durgesh R.Bhorse 4.Mr.Arvind A.Pimpalkar 5.Mr.Vishal S.Singh 6.Mr.Chetan M.Narnaware	Chess	Intercollegiate Tournament.
		1.Mr.Prabhakar S.Choudhary	Athletics	Intercollegiate Tournament.
05	2015-16	Women section: 1.Ms.Pooja S.Dewedi 2.Ms.Pooja N.Poste 3.Ms.Apurva V.Pandey 4.Ms.Pooja K.Kothe 5.Ms.Sonali N.Gupta 6.Ms.Kalyani C.Dhoble 7.Ms.Sneha U.Khante 8.Ms.Bhavikarani N.Basutiya	Athletics	Intercollegiate Tournament.

		9.Ms.Neha D.Mishra 10.Ms.Tejaswini V.Jivtode <hr/> Men section: 1.Mr.Prabhakar S.Choudhary 2.Mr.Mrunal K.Dongre 3.Mr.Sudhir P.Bobde 4.Mr.Sagar G.Bobde 5. Mr.Chetan M.Narnaware 6. Mr. Vishal S.Singh 7.Mr.Shubham S.Gajbhiye 8.Mr.Praful M.Dhamde		
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5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State /Zonal / National / International, etc. for the previous four years.

Sr. No.	Session	Achievements in activities(At University level)		
		Cultural	Co-Curricular	Extra curricular
1	2011 – 12	01	Nil	Nil
2	2012 – 13	02	Nil	02
3	2013 – 14	Nil	Nil	Nil
4	2014 - 15	Nil	Nil	Nil

Details of students' participation in cultural and extracurricular activities.

Sr.No.	Year	Name of the participant	Event	Remarks
01	2011-12	1. Ms.Aparna B.Kathale bagged 3 rd prize. 2. Team of our college won the 2 nd prize.	Essay competition Smt Vaijayanti Alkari Memorial Intercollegiate Elocution competition	Intercollegiate competition ----do----
02	2012-13	1. Team of our college won the 1 st prize of the competition. Mr.Bhavesb Bhandarkar, one of the team members, bagged the 2 nd prize of the competition as the "Best orator" 2. Ms.Krunali Thombre bagged the 2 nd prize of the competition. She was awarded with a cash prize of Rs.3000/-	Smt. Vaijayanti Alkari Memorial Intercollegiate Elocution competition. Elocution competition	Intercollegiate competition Intercollegiate competition

		3. Ms.Pallavi Choudhary, a student of B.Sc.III (PCM) won the 3 rd Prize in an Intercollegiate Seminar Competition in Chemistry at Dr.Babasaheb Ambedkar Science College, Nagpur. 4. Mr.Bhavesh Bhandarkar, a student of B.Sc.III (CBZ) won the CONSOLATION prize in an Intercollegiate Seminar Competition in Botany at the Shri.M.M.Science College, Nagpur.	Seminar competition in Chemistry Seminar competition in Botany	Intercollegiate competition
03	2013-14	-----	-----	-----
04	2014-15	-----	-----	-----
05	2015-16	-----	-----	-----

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?

The institute has a clearly set and defined mechanism of obtaining the feedback from the students to improve the performance and quality of the institutional provisions. The advisory committee consisting of the senior teachers collects the exit level feedback from the graduates regarding learning processes and informed to the principal of the college. The Principal guides to improve the performance and quality.

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 its students to publish materials like college magazine, wall magazines. The students are motivated to express their talent through articles, paintings, etc. Their creativity is given a free flight. The college magazine provides them with a platform to express them. The Editorial Board in the beginning of the session meets and decides the lay out plan for the rolling out of the latest issue of the college magazine. The applications for the student editor are invited. The teachers motivate the students to bring out the creative genius in them.

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

The college has a student's council as per the directives of the Director, Student Welfare, RTM Nagpur University Nagpur. The council is constituted as per direction No. 5/1996/RTM Nagpur University Nagpur.

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

The institute believes in giving the equal opportunity to the students in supporting the authorities and the college faculty in running the affairs of the college. For this the college endeavors to provide them with opportunities to participate in the various academic and administrative bodies. The details of academic and administrative having students' representation is as under:

Editorial Board: The Editorial Board comprises of Chief Editors, Editor and Students Editors. The Board invites writing from students and teachers and publishes them in the form of magazine annually.

Cultural Committee: This Committee is constituted to promote the cultural activities among the students. During the "Annual Cultural and Sports events", the students' representatives are chosen during the students' meeting. The representatives look after the conduction of various events during the celebrations.

Study Tour Committee: A senior faculty member as chairman and two other staff members constitute this committee. They are assisted by two students in this pursuit. They plan and execute the tour programme and students visit to various institutions of repute.

Annual Cultural and sports committee: This committee is constituted to arrange various academic and cultural activities based on certain theme and arrangement of lunch etc. during the events.

Economically Poor Students Welfare Scheme: This committee is constituted to assist the students in various ways. The economically poor students in the college are sorted out on the basis of their application to the committee. Students representative of each class are nominated as the member of the committee. The committee, after due considerations, hand over the assistance to the needy.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution. Any other relevant information regarding Student Support and Progression which the college would like to include.

The college Alumni association arranges a meeting every year. The committee is in touch with the members of the alumni association through social network site viz. the Facebook.

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.?

The objective and goals of the parent society in the establishment of the college is

1. To make available the higher education in science to needy, economically and socially backwards and rural students.
2. To develop scientific temperament among the learners of this region to enable them in joining the National mainstream for marching ahead with scientific and technological advancement.
3. To bridge gap between rural and urban learner.

In the recent past, it has been found that there is a steady increase in the number of admitted students from the socially backward class category. Many of our pass out students has cleared various competitive examinations, including the NET/SET examinations. A few of them have obtained PhD degree after completing their post graduation. They are serving in various organizations. These facts aptly support the fulfillment of objectives and goals of our institution.

6.1.2 What is the role of Top Management, Principal and Faculty in design and implementation of its quality policy and plans?

The institution, Bhalerao Science College is governed by the High School Society, Saoner. The Management, the Principal and the staff/faculty are always stepping in together for designing and proper applications of the quality policy and plans. The Principal of the college is the head of the institution and is always there to provide requisite leadership to the system. Principal is the Chief Executive and Academic Officer of the College. The President of the Managing committee keeps on meeting the college staff to discuss various policy matters and their application. The Principal ensures that all provisions of the University bye-laws, the Statutes and the regulations are observed. He also convenes meetings of the Advisory Committee, various other bodies and performs all such acts as may be necessary to carry out and give effect to the decisions of the said bodies. Importantly, the Principal provides academic leadership, and, in association with various faculties, evolves strategies for academic matters. Institution has established the IQAC and various forums. Discussion on various policy plans is made and decision taken. Attempt is made to implement accordingly. Management is informed about such decision.

The governing body encourages participation of all the stakeholders in the smooth running of the college. In the day to day working of the institution, values like transparency in administration, team work, honesty and decency in financial matters are followed.

6.1.3 What is the involvement of the leadership in ensuring:

- **the policy statements and action plans for fulfillment of the stated mission**
- **formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis**
- **research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**

The authorities gather information about the various aspects of College functioning through a number of ways. Both teaching and non-teaching staff have their representatives in the College's LMC, which is its highest decision-making body. The College has constituted different Committees. Teachers and members of the non-teaching staff play an important role in the planning and implementation of activities in different spheres of institutional functioning. The personal interaction of the Principal with various stakeholders such as the faculty, the non teaching staff, the students, the guardians play an important role in this. This apart, information available in student's feedback forms and information

available in self-appraisal forms of teachers help the authorities plan the policies. The participatory role of the management encourages and sustains the involvement of the college staff, which is necessary for the efficient and effective running of the College. The Principal is the Head of the Institution and bears the ultimate responsibility for the smooth running of the College. The role of the Principal of the College is multi-dimensional. As the Head of the Institution, the Principal is responsible for both the academic and administrative functioning of the College. Principal prepares the agenda for meetings. The Academic and administrative matters require the Governing Body's approval. After getting the approval from the management, the Principal is responsible for executing its decisions. Principal is also responsible for all correspondence with the Governing Body, Government of Maharashtra, and the University Grants Commission; RTM Nagpur University and different stakeholders of the College. The Principal receives reports from the different College Committees, which offer information to him in matters defined in terms of reference of their committee's functions. Duly constituted LMC is there in college, which guide the college authority for resolving college related issues.

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?

The Principal of the college has complete authority to govern the institution within the purview of the rules and regulations framed by the government. The head of the institution appoints in-charge for various committees with the consent of the staff members, and, further nominates the members of teaching staff in consultation with the in-charge. Principal directs the in-charge of the committee to execute work taking help of the other members. The committees carry out the activities and at the end of the academic year the in-charge submits the report of the work done to the head of the institution. The faculty is informed of their duties and responsibilities by the head of the institution in the scheduled staff meetings and departmental meeting. The administrative staff is given a job map along with the roles and responsibilities.

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

Each staff member of the institution has been handed over a job description where the roles, responsibilities, authority and accountability are clearly defined. Moreover the academic policies are also made available to the staff members. Within the framework of the stated policies, the management ensures that the staff members are given freedom to incorporate any ideas or innovation to improve quality education through different educational methods of teaching including ICT methods, organizing co-curricular events etc. The management encourages faculty members to work closely with the students in order to bring in the best from them. The management wants the faculty members to be accountable for their responsibilities.

6.1.6 How does the college groom leadership at various levels?

The management is always encourage and supports the involvement of the staff in the improvement of the effectiveness and efficiency of the institutional process. The management through the head of the institution involves the staff members in various activities related to the development of the college. The staff members are involved in various committees such as Infrastructure Committee, Advisory Committee, Discipline Committee, Examination Committee, Admission committee, Timetable committee, Cultural and sports activity committee etc.

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?

At the departmental and college level, suggestions and opinion of the faculties are invited, and, reviewed. A decentralized functioning mechanism, empowers the departments and individual faculty with a great level of flexibility in academic administration, and, helps the faculty in making decisions. The policies are well defined by the College authorities including the Managing Committee and Principal. In most of the committees faculty is well represented. At the same time, there are sufficient checks and balances built in the system to see that these decisions are carefully taken. These decisions

can also be reviewed by higher authorities and committees in case of need. The LMC of the College meets at regular intervals. The committee also has representatives of faculty and non-teaching employees of the college. The management gives suggestions on various aspects on the basis of Principal's report and feedback it gets from the society. The suggestions of the management are communicated to the teaching and non-teaching employees and implemented by the Principal. Principal also assigns specific duties to various academic and administrative bodies of the college on the basis of suggestions of the LMC and the Governing body. The teachers are given freedom to choose the topics in the delivery of the syllabus i.e. to which part of syllabus to teach first and later. Internal distribution is done by referring the schedule and academic content in the department by the related HOD's.

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

The institution can proudly boast of a participative management. The management actively takes part in the working of the institution. The head of the management is in the leading role in governance and management of the institution. He, along with the other members of the management, keenly observes the day to day working of the college administration, governance, management and academic activities. He suggests ways to the staff members in staff meeting, and, by personal interaction. He encourages the staff to give their best while discharging duties. He communicates to the teachers the decision taken by the management and ensures that all the points are implemented properly. He looks after the financial expenditure and manages the funds for different developmental activities taking place on the campus. Complete transparency is exercised in all the related procedures of the college.

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?

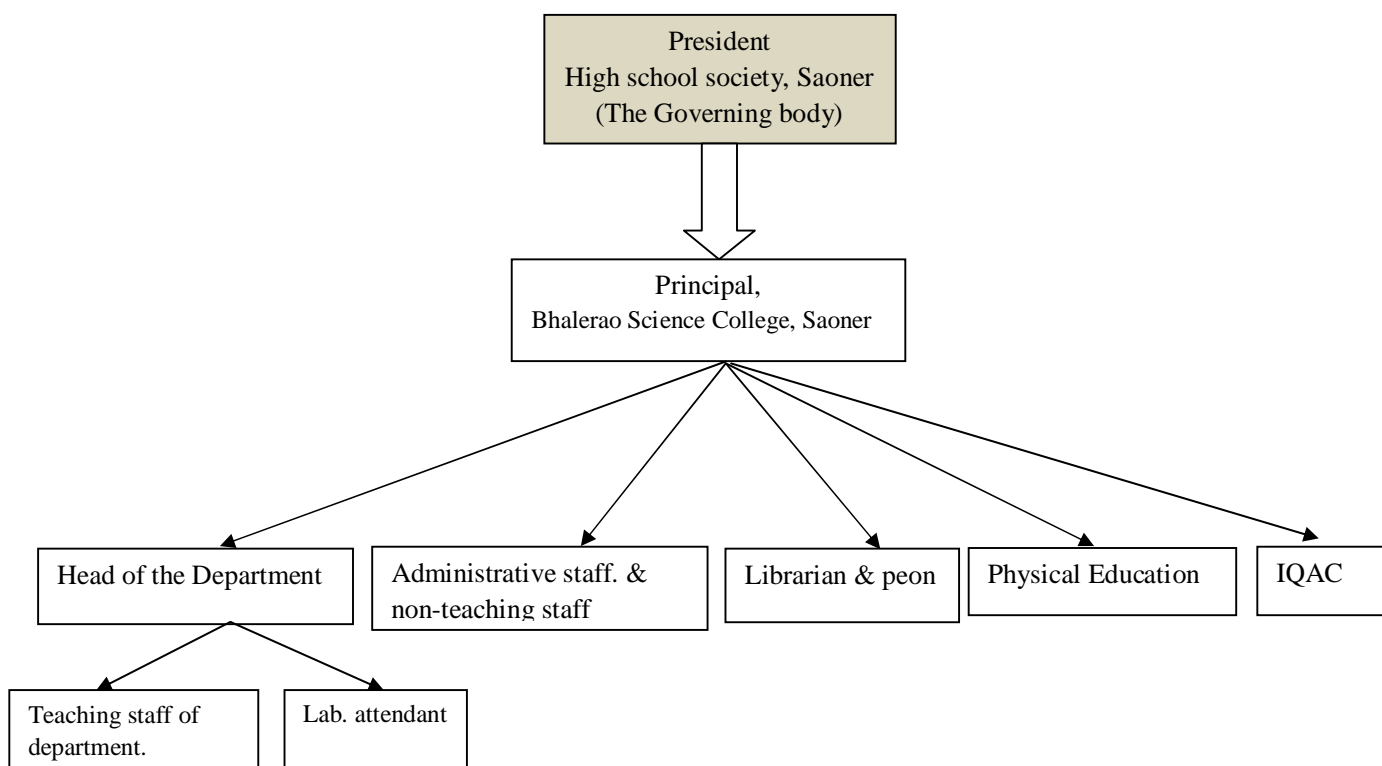
Yes, College has formally stated quality policy. The Management holds formal and informal dialogues with the staff, from time to time, to redress any grievances. In the academic units, teachers are encouraged to participate in the National/International level seminars and conferences. The college also extends full support to the staff to participate in workshops, refresher and orientation courses organized by the Academic Staff Colleges to update their knowledge and skill base. In such cases the duty leave is sanctioned to the faculty.

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

In order to formulate the strategy of development and deployment, the committees are constituted for each and every developmental work. Teachers have to participate in all the institutional plans and wherever the situation demands, students and members of Management Committee are involved. The meeting of students is arranged to take their participation by means of selection of some students. In the Cultural Committee and Magazine Committee students are involved along with the teachers. In the matters related to infrastructural developments, teachers are the main participants. The Local Management Committee considers and resolves issues related to finances and administration of the college.

6.2.3 Describe the internal organizational structure and decision making processes.

Internal Organizational Structure



The top management frames the policies and procedures which are implemented by the Principal of the college, Head of the departments and other office staff. The college related issues are discussed in the meetings of the Local Management Committee (LMC). The resolutions are forwarded to the governing body for their approval. After getting their consent, the decisions are implemented.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching & Learning**
- **Research & Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**
- **Teaching & Learning**

The institution has framed for itself various strategies which enhance the quality improvement. These strategies are framed by the college keeping in view the quality changes required for the development of the college. The procedure adopted for admissions to various courses provided by the college is based on student's academic records. The rules and regulations set by the affiliating University and the State Government are strictly followed for students' admission. Apart from the lecture method of teaching, group discussion, field studies, debates, tutorials, seminars, study tours etc. is adopted for proper understanding of the subjects. The college has well experienced faculty members. The faculty

members of various departments participate actively in academic programmes. The teachers are given full permission to enrich their knowledge through Seminars, Refresher Courses, and Orientation Courses etc. The college follows the self- appraisal method to evaluate the performance of faculty, which is used for correcting shortfalls.

Research & Development

The college is not having a recognized research centre duly approved by the affiliating University. The scope of research motivation is very little. However, the faculty is very much aware of the growing importance of the research based education. The college encourages the teachers for research work. Many teachers of the college are engaged in active research work. A few teachers are the recognized as Ph.D. supervisors.

Sr. No.	Name of Faculty	Department	Students awarded with Ph.D.	Students registered for Ph. D	Students submitted PhD thesis
1	Dr. R. K. Banerjee	Physical Education	13	03	03
2	Dr. S.M. Sakharkar	Librarian	00	05	04
3	Dr. S. P. Dongre	Physics	00	04	02

Community Engagement

The college had organized the blood donation camps, tree plantation program, and, felicitation of meritorious persons; both in academic and sports activities.

Human Resource Management

The institution's teaching & non-teaching staff member are encouraged to enhance their academic qualification. They were also given permission to participate in various types of training programme arranged by various organizations.

In-service improvement of qualification/s by staff.

Teaching staff:

Sr.No.	Name of the teacher	Department	Qualification added	Year	Remarks
01	Prof. P.B.Dabarase	Physics	NET	2000	
02	Dr.P.R.Kakde	Chemistry	NET	2002	
03	Dr.S.M.Sakharkar	Librarian	Ph.D.	2006	
04	Dr.S.P.Dongre	Physics	Ph.D.	2008	
05	Dr.P.R.Kakde	Chemistry	Ph.D.	2009	
06	Dr.P.M.Salve	Mathematics	Ph.D.	2012	
07	Dr.P.K.Nimishe	Physics	Ph.D.	2012	Principal, availed FIP.
08	Dr.V.D.Doifode	Botany	Ph.D.	2015	

Non-teaching staff:

Sr.No.	Name of the staff	Department	Qualification added	Year	Remarks
01	Shri.S.G.Band	Office	1.MS-CIT 2. M.A. (Marathi Lit.) 3.GDCA Exam 4. B.Lib. 5. M.Lib.	2003 2011 2011 2014 2015	Govt.diploma Accounts & consultancy.
02	Shri.D.M.Bawane	Office	MS-CIT	2010	
03	Shri.Raju Dhurve	Peon	Graduation	2012	YCMOU,Nasik
04	Shri.D.M.Bawane, Shri.S.G.Band	Office	Attended state level workshop for "Office management"	2016	At Pune
05	Shri.D.M.Bawane, Shri.S.G.Band, Mrs.U.D.Pande	Office	Refresher course for non-teaching staff	2014	UGC-ASC, Nagpur.
06	Shri.K.D.Mankar, Shri.Hemant Pohkar, Shri.Vilas Sohagpure, Shri.R.G.Jogi, Mrs.Vyawahare	Office and various departments	One day workshop for Non-teaching staff	2012	At Shri.Mohata Science College, Nagpur

Industry Interaction

The college had approached near-by industries for getting support for plantation program and for arranging industry visits.

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 management and head of the institution are always in interactive mode with each other. The head of institution and, the President of the Governing body obtain the feedback from teachers, students and the citizen of Saoner with regards to the teaching quality, curriculum, extracurricular activities and infrastructural demands. In the meetings of the Local Management Committee, the information gathered from different sources is conveyed and discussed with the participating members. After thorough discussions, and, deliberations on the existing facilities and activities of the institution, decision/s is taken for their implementation. For this, the stock of the available resources is considered, and, modalities are chalked out.

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 management always encourages and supports the involvement of the staff in the improvement of the effectiveness and efficiency of the institutional process. The management through the head of the institution involves the staff members in various activities related to the development of the college. The staff members are involved by way of constitution of various committees such as Building Committee, Purchase committee, Admission Committee, Advisory Committee, Examination Committee etc. At the departmental level, the head of the department monitors the internal matters of the department.

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

Sr. No.	Resolutions regarding	Implementation (For 2014-15)
01	Class rooms	
02	Finance for maintenance	
03	Electrification	
04	White wash	
05	Administration	

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. Institution did not make any efforts to get autonomy.

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

Grievance committee is duly constituted in the college for the students and through such a committee grievances are resolved.

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?

No.

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?

The institute has a clearly set and defined mechanism of obtaining the feedback from the students to improve the performance and quality of the institutional provisions. The “College Feedback Committee” consists of the senior teachers. It collects the exit level feedback from the students regarding learning processes, and inform about the student’s feedback to the Principal of the college. The Principal, then, discuss with the concerned employee to improve the performance and quality.

Outcome: Teaching and non teaching staff showed enhanced accountability and performance. It is reflected in the college discipline.

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?

Institution encouraged the teaching and nonteaching staff to participate in refresher course, orientation course, short term course and many other academic activities at state and international levels. The institution's teachers and also the non teaching staff have achieved academic success while carrying out their day to day duties.

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?

There are relevant rules in the affiliated University and the UGC as per the Career Advancement benefits is concern. These rules forced to attend seminars, conferences, refresher and orientation courses, and other training programmes. The need for such training is assessed by the Head of the institution, who recommend members of the faculty for such programmes. The head of the institution suggests the names of senior faculty who need to be trained for.

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 achievements of faculty members are monitored and updated in the college records. Performance appraisal system is implemented as per the guidelines from affiliated University. The appraisal report of faculty is made by the Principal of the college on the basis of his/her yearly achievements, discipline, quality etc. This, besides, the assessment of the teachers also comes through the feedback forms, which in turn indicate the teacher's quality. The feedback form is based on the parameters of NAAC. All the students from each and every class and section are expected to do so for all the teachers concerned with their classes. The identities of students are not disclosed. The feedback form has a well defined set of questions that help the students to evaluate the teaching capacity based on lecture understanding and define how far the teacher has succeeded in reaching out to the students. These details are accessible to staff so as to help them judge their performance. The Principal understands the students' reflections and shares it collectively and individually across the staff. If there are any issues of concern, the faculty member is facilitated to overcome the lacunae without lowering self esteem. Wherever required, counseling is provided to staff in order to help them improve their professional capabilities.

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 management always plays an active role in the performance appraisal of the staff. The management keeps a keen vigil on the working behavior of the members of the teaching as well as the non teaching faculty. Annual increments and placement in the grades are all implemented under the signatures of the managing committee. The management has in the recent past given due recognition to the teachers who have completed their Ph.D. Similarly the college management after the appraisal of the faculty takes no time in implementing the benefits due to the staff. The management takes effective decisions and provides the appraisal details to the appropriate stakeholders by incorporating the decisions in the proceedings of the meetings of the High School society Saoner.

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 College has welfare schemes for both teaching and non-teaching faculty members. The provident fund is provided for all the staff. The faculty members, who attend workshop /conferences, are provided "duty leave". The college provides earn leave to the non teaching staff, Librarian & Principal

for paid holidays during the vacations. Medical leave is given to the employees during his/her job period. There is a provision of maternity leave for the women staff. An insurance policy of LIC named GSLIS is given to the staff members whose premium is automatically deducted from their salary.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

A lot of measures are taken by the institute for attracting and retaining eminent faculty. Timely release of salary, granting incentives as per the rules and regulations of the Government, freedom in delivery of syllabus, conducive ambience for education etc. are a few examples. Feedback is taken from the students and appraisal is made in order to give incentives and increments to the faculty.

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 financial resources of the college are managed in a very effective and justified manner. The following three types of accounts are created:

- Receipts & Payment Accounts.
- Income & Expenditure Accounts.
- Balance Sheets

Each and every transaction is supported by the vouchers. All the funds are deposited in the bank, and, all bills on recurring and non-recurring expenses are disbursed through cheque payment. Duly authorized persons can only operate the bank account. The audit is done by the Chartered Accountant after every financial year.

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 accounts of the college are subject to audit by the external Govt. approved Chartered Accountant. The audit of the accounts is done after every financial year.

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 college's major sources of funding are as follows:

- Total fee collected from the students.
- Grants received from Maharashtra Govt. (Being a Grants-in-aid College)
- Various grants received from UGC. (Conference/ MRP/general/Additional/ grants).

Deficit Management:

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

Various steps are being taken by the institute to generate additional funds. The institution organizes conferences and different activity under various scheme of UGC. The expenditure for the conduct of these and conferences is met by the grants received from UGC.

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?

The IQAC was established in the college in order to implement the quality aspects in academic and administrative pursuits. The institution focuses on the overall development of the students, conduct regular theory and practical classes improve qualifications of the faculty and administrative staff.

Various co-curricular and sports activities are conducted in the college under the overall guidance and monitoring of the Head of the Institution. In order to streamline such activities the college has formed

various committees in which some teachers work as in-charge and others as members. The IQAC had arranged programs like “Review on Administration” (13-4-2012), “Use of Internet for day to day life” (For Bhalerao Jr.college teachers along with the citizens of Saoner.Dt.24-4-2012). “Net Banking Camp” (For Bhalerao Jr.college teachers along with the citizens of Saoner.Dt.7-5-2012).

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 IQAC in the year 2010-11 has recommended some important suggestions about the overall development of the college. The suggestions were put before the LMC’s meeting held on 23/10/2010. Almost all were approved by the management. Its implementation is in progress.

Suggestions by IQAC	Suggestions implemented
Provision of LAN facility in college office.	Implemented
Purchasing of software for Office & library automation	Implemented
Provision for Drinking water facility for students and staff.	Implemented
Fitting of ceiling fans in class rooms and in the staffroom of Chemistry deptt.	Implemented
Provision of Desk-Bench in Girls’ common room.	Implemented
Provision of seating arrangements in Class rooms and Laboratories.	Implemented
Purchasing of Almirahs for college office.	Implemented
Purchasing and installation of Electronic Attendance machine.(Biometry)	Implemented
Purchasing of Matting for the multipurpose hall.	Implemented
Fitting of glass panes on window frames of Laboratories.	Implemented
Publication of the college magazine.	Implemented

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

The IQAC has nominated external experts in it from the session 2014-15. The members have discussed about the quality aspects in the meetings of the IQAC. They had put forward the proposals such as preparing various Formats on the lines of Total Quality Management (TQM). But due to some unavoidable circumstances it could not be materialized.

d. How do students and alumni contribute to the effective functioning of the IQAC?

The students and the alumni do contribute in the functioning of the IQAC, though not directly as none of them are nominated on the IQAC. However, the college gives due consideration to their suggestions and endeavors to implement them.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

The IQAC calls suggestions from the staff on the various parameters laid down by the NAAC. Their suggestions are incorporated in the analysis of the inputs of the institution.

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.

The institution has an integrated framework for quality assurance for the academic and administrative activities. It is achieved by nominating members of teaching staff from various departments and administration on the IQAC. It helps in getting greater cooperation, coordination and for sharing of the information.

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.

The institution does not provide formal training to its staff for effective implementation of the quality assurance procedures. However, they are regularly informed about the quality parameters in the context of Higher Education Institutions. This is being done in the staff meetings. The benefits are as under:

- 1) The staff members become aware of the quality parameters and their responsibilities.
- 2) They get updates on the various programs being organized in the institution.
- 3) Greater coordination is ensured.
- 4) Active participation is enhanced.
- 5) Quality betterment is achieved.

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?

The institution undertook academic and administrative audit through the external agency like the NAAC in July 2004. The outcomes are discussed with the governing body and the staff through various means to improve the quality aspects.

The institution reviews all of its activities in a comprehensive and continuous manner. It collects feedback from the students to analyze the quality of teaching and teaching methodologies adopted by the faculty members. It also conducts performance appraisal to evaluate the performance of the faculty. Both the Principal and the management monitor the curriculum delivery. Every semester and annual result review analysis is conducted to further enhance the teaching-learning process. All the association activities submit a report every year on the activities organized during that academic year.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The institution follows the guidelines and norms of the UGC, NAAC, State government and the affiliating University.

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?

The institution prepares Annual Academic Calendar in the beginning of the session.

All the activities are incorporated in it. The teaching-learning process includes the preparation of departmental academic calendar, schedule of internal examinations, the students' meeting, parents' meeting, co-curricular and sports activities etc. At the end of the session the college feedback committee seeks students' feedback on the "Teacher's teaching skills".

The teachers are directed by the head of the institution in improving themselves as per the expectations of the students and parents.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The institution organizes the Parents' meeting, the students' meeting and a meeting with the alumni. In such meetings the stakeholders are informed about the institutions quality measures and in turn their suggestions are also considered. The college has a duly constituted Local Management Body. In its meetings, all the relevant matter related with the development of the college is discussed. The resolutions are then forwarded to the Governing body for their approval and consideration. This helps in the institutionalization of transparent work culture.

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?

There is no formal conducting of green audit in the institution but the institution is eco friendly.

7.1.2 What are the initiatives taken by the college to make the campus eco friendly?

- * **Energy conservation**
- * **Use of renewable energy**
- * **Water harvesting**
- * **Check dam construction**
- * **Efforts for Carbon neutrality**
- * **Plantation**
- * **Hazardous waste management**
- * **e-waste management**

Energy Conservation:

The college campus is overly warm and overly cold. The college class rooms are so airy and well lighted that they hardly need any artificial lighting.

Use of renewable energy:

NIL

Water harvesting:

Yes

Efforts for Carbon neutrality:

The college at its own level has taken up certain preventive measures to check the emission of carbon dioxide. The fallen leaves and the waste papers are not allowed to be put on fire. The leaves are buried in the soil itself and the waste papers are disposed off. The students are encouraged to use bicycle rather than automobiles.

Plantation

A lot of expenditure is incurred to keep the environment green. For this the college support staff is working very whole heartedly. The saplings of trees were planted in the premises.

Hazardous waste management / e-waste management:

No.

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.

7.3 Best Practices

7.3.1 Elaborate on any two best practices as per the annexed format (see page ..) 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: I

Title of the Practice: Economically Poor Students Welfare Scheme. (EPSWS)

GOAL OF THE PRACTICE:

- (i) To assist, in their journey to progress through education, all genuine economically backward students of the college, inclusive of all castes, creeds or religions.
- (ii) To provide equal opportunities to the students to avail the benefits of education.
- (iii) To include all the students in nation building

- (iv) To inculcate the spirit of coexistence and social responsibilities by making the students collectively participate in the process.

The context: Economically Poor Students Welfare Scheme (EPSWS) is an innovative plan devised and introduced by the college itself. It is aimed at (a) enhancing learning opportunities by helping the students undergoing grave hardships due to financial depravity and (b) including them in the process of nation building by way of facilitating their education. This scheme was introduced in the session 2008-2009 and is doing well till date. So far many students have been benefited from it and becoming popular.

PRACTICE: Helping the economically poor students through a welfare scheme devised by the college. A coordination committee is constituted. It consists of a teacher coordinator and the student representatives for effective implementation of the scheme. The financial assistance is made available to the needy students, e.g., the study material, examination fees, college fees, travel expenses etc. In general the committee has to follow the prescribed procedure that involves following steps.

1. Selection of student representatives for internal working.
2. Decision of the nature and minimum amount of voluntary donations from interested students and staff members and its collection.
3. Inviting applications in the prescribed format from the college students to seek the assistance. Application seeks the information of economic status and family background, academic progress of the student and the recommendation from local authorities.
4. Cross checking the information furnished by the applicant.
5. Declaration of beneficiary students for the particular session.
6. Keeping the documentary record open for all.

Evidence of success: Almost all the students and staff members of the college voluntarily donate the pre-decided minimum amount of money for the scheme. So far 124 students have been benefited through EPSWS.

The following changes were observed in the students' mindset-

1. Regularity in the students to attend the college as they received the assistance in the form of travel expenses.
2. Inculcation of spirit of coexistence and brotherhood and leadership qualities as the students themselves are part of execution of the scheme.
3. Enhancement in confidence level and academic performance among the beneficiary student

4. Dr. V.D.Doifode, Head, Department of Botany is the coordinator of this scheme. He presented this scheme in a National conference at Gondia, & bagged the Second Prize of the conference. The National conference was organized by the D.B.Science College, Gondia, and, was sponsored by the UGC & NAAC.

EPSWS: Details of disbursement of financial assistance.

S.N.	Session	No. of beneficiaries	Amount Rs.
1	2008-2009	12	04827/-
2	2009-2010	15	06142/-
3	2010-2011	14	05736/-
4	2011-2012	20	08434/-
5	2012-2013	24	11347/-
6	2013-2014	24	10700/-
7	2014-2015	24	08527/-

Problems encountered and resources required: The students' response was not that encouraging in the initial years. They were a bit hesitant to seek help under this scheme. The donors also were not generous. But due to the honest efforts by the coordinator of this scheme, the number of beneficiaries, and, also the donations increased. The efforts will be made in future to include the donors from society also.

Notes (Optional):- NIL

Best Practice: II.

Title of the Practice: Free self-defense workshop for students.

Goal: To train students in self defense

The context: The ill famous “Nirbhaya case” of New Delhi created turmoil in the entire country. After that unfortunate incident, the college had decided to organize “Self defense” training to the girl students. This was our one forward step taken towards the “Women empowerment”.

Fortunately, the Joint Director, Higher Education, Nagpur Division, Nagpur had also sent a circular to all the HEI's of this division to organize various programs on **gender sensitization**.

THE PRACTICE: The training program was organized under the UGC's scheme viz. “The equal opportunity cell”. The workshop was first organized in the session 2013-14.

The duration was from 3-3-2014 to 20-4-2014. Actual duration of the program was for three months, but, it completed in 55 periods in the year 2014.

In the session 2015-16, it was arranged for 27 days. It was to be curtailed due to the University examinations of the students. However, it will be completed in the session 2016-17.

Dr.S.M.Sakharkar, Librarian of the college, is the Advisor of the Equal Opportunity Centre.

Mr.Abhimanyu Baghare of Borujwada, tehsil Saoner trained the participants. He belongs to the “Rhino Tae kwon do Club” of Borujwada.

Evidence of success: The girl students expressed their happiness about the organization of the training program. They opined that the program has helped to boost their self confidence, self-esteem, and, self-reliance. 15 students have been awarded with the yellow belt.

Problems encountered and resources required:

1. The program could not be arranged in the year 2014-15 due to some unavoidable circumstances.
2. Some of the students were reluctant to attend the program.
3. Due to semester system of the University, there are limitations on the duration of the program.

Notes (Optional):- NIL

Contact details-

Name of the Officiating Principal- Mr.M.P.Barbate

Work phone-07113-233220

Name of the Institution- Bhalerao Science College.

City-Saoner

Pin code-441107

Accredited Status:-C++

E-mail: bcsaoner_1993@rediffmail.com

Website-www.bcsaoner.in

Mobile-9890481901

Fax- NA

D.EVALUATIVE REPORT OF THE DEPARTMENTS

Department of Mathematics

1. Name of the department: -**Mathematics**
2. Year of Establishment: - **1993**
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :-**UG & PG**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/semester /choice based credit system (programme wise):- Annual/**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:
PG due to less number of aspiring students
9. Number of teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./ M.Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last 4 years
Mr.R. H. Bhake	M.Sc. M.Phil	Assistant Professor(SG)	Topology	22	-
Dr. P. M. Salve	M.Sc. Ph. D	Assistant Professor	Commutative algebra	15	-

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):- **180:2**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:-
NA
15. Qualifications of teaching faculty with DSc /D. Litt /Ph. D/ MPhil /PG.:- **M Phil, Ph.D**
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
:**Minor research project**
Total grant received: Rs. 75000/- (Seventy five thousand rupees only)
18. Research Centre /facility recognized by the University: **NIL**
19. Publications:
- * a) Publication per faculty 1. Mr. R. H. Bhake – Nil,
2. Dr. P. M. Salve - 11
 - * Number of papers published in peer reviewed journals (national/
international) by faculty and students: **11**
 - * 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.): **NIL**
 - * Monographs - **NIL**
 - * Chapter in Books: **NIL**
 - * Books Edited: **NIL**
 - * Books with ISBN/ ISSN numbers with details of publishers: **NIL**
 - * Citation Index: **NIL**
 - * SNIP: **NIL**
 - * SJR: **NIL**
 - * Impact factor; **NIL**
 - * h-index: **NIL**
20. Areas of consultancy and income generated:**NA**
21. Faculty as members in
- a) National committees – **NIL**

b) International Committees - **NIL**

c) Editorial Board - **NIL**

Faculty worked as a member on the organizing committee for the National Conferences arranged in the college, and, other affiliated colleges.

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: **Ph. D received by the faculty.**

24. List of eminent academicians and scientists/ visitors to the department: **NIL**

25. Seminars/Conferences/ Workshops organized & the source of funding: **NIL**

a) National b) International

26. Student profile programme/ coursewise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I	187	60	05	55	71.66
B.Sc. II	80	80	07	73	65.82
B.Sc. III	45	45	07	38	89.63

*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. I(PCM)	90	10	Nil
B.Sc. I(CS)	90	10	Nil
B.Sc. II	99	01	Nil
B.Sc. III	99	01	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	05

30. Details of Infrastructural facilities

- a) Library: **Departmental library with 28 books.**
- b) Internet facilities for Staff & Students: **NIL**
- c) Class rooms with ICT facility: Available in college.
- d) Laboratories: **NIL**

31. Number of students receiving financial assistance from college, University, Government or other agencies: 90% (EBC, PTC scholarships for SC, ST& NT students)

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: **NIL.**
Classes engaged under the “Remedial Coaching classes” for the students.

33. Teaching methods adopted to improve student learning:
Group discussion method, Use of audio – visual aids & question – answers method.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities actively participated in NSS activity of the college.

35. SWOC analysis of the department:

- 1. **Strength** – Adequate admissions in UG level.
- 2. **Weaknesses:** 1.Lack of permanent infrastructure for ICT.
2. Lesser number of aspiring students for PG (Maths.)
- 3. **Opportunity:** To apply for Major research project.
- 4. **Challenge:** Rural back ground & financially weak students.

- Future plans:
- 1. To open mathematical society
 - 2. To apply for Major Research Project.
 - 3. To open guidance centre for competitive examinations.

Overall working of the department is smooth and satisfactory.

Department of Botany

1. Name of the Department: **Botany**
2. Year of Establishment Same as College: **1993**
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): **UG**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/semester/choice based credit system (programme wise): **Annual/ 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

	Sanctioned	Filled
Professors
Associate Professors
Asst. Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M.Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of P h.D. Students guided for the
Dr. V.D.Doifode	M.Sc. Ph.D.	Assistant Professor.	Botany-Algae	20 (UG)	Nil
Dr. P.S.Athavale	M.Sc. Ph.D.	Assistant Professor(SG)	Palaeobotany	15 (UG)	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) : **UG 80:02 (2013-14); 119:02 (2014-15)**
14. Number of academic support staff(technical) and administrative staff; sanctioned and filled:
Teaching staff: 02; Non-teaching (Lab Attd.): 01.
15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.: **Ph.D.**
16. Number of faculty with ongoing projects from a)National b)International funding agencies and grants received: **01**
17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received:
UGC sponsored minor research project (Rs. 115000/- sanctioned and Rs. 85000/- received).
18. Research Centre/facility recognized by the University: **NIL**
19. Publications:
 - * a) Publication per faculty
 - * Number of papers published in peer reviewed journals (national/international) by faculty and students:

Dr. V.D.Doifode:
01 peer reviewed national (2012) and 03 international (2011, 2014).

Dr. P. S. Athavale:
03 international (2012 - 2014) and 02 National (2008, 2013)

* 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.):

* Monographs: Nil

* Chapter in Books:
Author: V.D.Doifode
Thirteen chapters out of twenty one. Book- Palaeobotany and morphology of Angiosperms, 2013 (ISBN: 978-93-82962-19-9): Publisher: G. C. Publications, Nagpur.

* Books Edited: **Nil**

* Books with ISBN/ISSN numbers with details of publishers:
 1. Author: V.D.Doifode. Book. STRUCTURE, DEVELOPMENT AND REPRODUCTION IN ANGIOSPERMS , 2012, (ISBN:978-81-925501-8-3).
 2. Author: V.D. Doifode. Book. ANATOMY AND EMBRYOLOGY OF ANGIOSPERMS; 2014; (ISBN: 978-93-82962-59-5).

* Citation Index: **NIL**

* SNIP: **NIL**

- * SJR: **NIL**
- * Impact factor: **NIL**
- * h-index: **NIL**

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in

- a) National committees
- b) International Committees
- c) Editorial Boards:

Faculty worked as a member on the organizing committee for the National Conferences arranged in the college, and, other affiliated colleges.

22. Student projects

- a) Percentage of students who have done in-house projects including interdepartmental/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

A. Dr. P.S. Athavale:

1. Best teacher award by High school society Saoner , 2007-08.
2. *Gunavant Shikshak Purskar by Shikshak Palak Mahasangh, saoner, 2009.*
3. *Shikshak Purskar-2004 by Shikshak Sahakari Bank Saoner.*

24. List of eminent academicians and scientists/visitors to the department:

NIL

25. Seminars/Conferences/Workshops organized & the source of funding

- a) National: **Nil**
- b) International: **NIL**

26. Student profile programme/course wise:

Name of the Course/ programme 2014- 2015	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I(CBZ)	134	60	07	53	60.46
B.Sc. II(CBZ)	37	37	2	35	90.34
B.Sc. III(CBZ)	23	23	6	17	100

*M=Male *F=Female

27. Diversity of Students (2013-14 & 2014-15)

Name of the Course	%of students from the same state	% of students from other States	%of students from abroad
UG Botany 2013-14	95%	5% (M.P.)	Nil
UG Botany 2014-15	91%	09% (M.P.)	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **NA**
29. Student progression

Student progression	Against % enrolled /Total No. of students
UG to PG 1999-00 to 2014-15	42 students
PG to M.Phil.	Nil
PG to Ph.D.	03 students.
Ph.D .to Post-Doctoral	Nil
Employed •Campus selection •Other than campus recruitment	Other than campus: 07 students.
Entrepreneurship/Self-employment	Nil

30. Details of Infrastructural facilities
- Library: Central College library, departmental library with personal books.
 - Internet facilities for Staff & Students: Available through NRC
 - Class rooms with ICT facility: **Available**
 - Laboratories: **01 with area 1166 sq. ft.**
31. Number of students receiving financial assistance from college, University, Government or other agencies:
12 CBZ students received financial assistance through College EPSWS scheme (2014-15). Approximately 90% of the college Students received financial assistance from the Govt. scholarship such as EBC, PTC, Scholarship for SC, ST & NT
32. Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts: **Arranged through Remedial coaching scheme.**
33. Teaching methods adopted to improve student learning:

Lecture, demonstration, excursion tours, practicals, charts, images, audio-video aids etc

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
Govt. tree plantation programs, Personality development programs, National Environment Awareness Schemes etc.
35. SWOC analysis of the department and Future plans
 1. **Strength:** Laboratory with adequate space and light, academic environment, adequate feeding of students.
 2. **Weaknesses:** Lack of permanent infrastructure for ICT
 3. **Opportunity:** To apply for Major research project on nearby forest area; to open consultancy services for farmers.
 4. **Challenge:** Semester syllabus is vast and the University examination program is very exhaustive. It makes the things difficult to complete the syllabus within the working days.

Department of Physics

1. Name of the department :-**Physics**
2. Year of Establishment :- **1993**
3. Names of Programmes /Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D.,etc.) :-**UG**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/semester/choice based credit system (programme wise):- Annual &**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

	Sanctioned	Filled
Professors	-	-
Associate Professors		
Asst. Professors	03	02

10. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt. /Ph.D./M.Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience in year	No. of Ph.D. Students Guided for the Last 4 years
Dr. S. P. Dongre	M.Sc., B.Ed., Ph. D.	Associate Professor	Electronics	21	4
Mr. P. B. Dabarase	M.Sc. NET	Assistant Professor(SG)	Electronics	15	-

11. List of senior visiting faculty:**01**
12. Percentage of lectures delivered and practical classes handled (programme wise)
By temporary faculty: **NIL**
13. Student-Teacher Ratio (programme wise):- **210:2**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:- **Teaching staff – 02, Non – teaching staff (Lab attd) - 01**
15. Qualifications of teaching faculty with DSc /D.Litt /Ph.D /MPhil /PG.:-
 1. **PG. & Ph.D**
 2. **PG**
16. Number of faculty with ongoing projects from a)National b)International funding agencies and grants received:
completed project – 03 Received Amount – 3.52 lakh
17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received
:UGC sponsored MRP Rs 4,20,000/- sanctioned and Rs.3,52,500/- received
18. Research Centre/facility recognized by the University :**NIL**
19. Publications:
- * a) Publication per faculty 29+07=36 & 26+06=32
 - * Number of papers published in peer reviewed journals (national/international) by faculty and students: **26**
 - * 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.):
 - * Monographs - **NIL**
 - * Chapter in Books:
 - * Books Edited: **02 Conf. proce. & Advanced Research in Materials**
 - * Books with ISBN/ISSN numbers with details of publishers:
 A)
 Physics [Phy 314(A): Electronics II] – T Y BSc- sem-I Paper-IV
 ISBN: 81-7815-025-5 , Vrinda Publications, Jalgaon
 B Practical Physics- BSc- sem-I ISBN: 978-93-81432-93-8
 Practical Physics- BSc- sem-II ISBN: 978-93-81432-51-8
 Practical Physics- BSc- sem-III ISBN: 978-93-81432-92-1
 Practical Physics- BSc- sem-IV ISBN: 978-93-81432-52-5
 Publisher: Sai Jyoti Publishers, Nagpur
 - * Citation Index :**Nil**
 - * SNIP:**Nil**
 - * SJR: **Nil**
 - * Impact factor : **Nil**

* h-index: **Nil**

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- a) National committees -04 (National Conferences)
- b) International Committees –ISU-15 organizing committee- 02
- c) Editorial Board -**03**

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental /programme : 100% **projects as per semester syllabus**
- 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 :

Faculty:- Best paper presentation in National conference two times and International Conference 01.

Students:- Awards in Students Seminar organized by VUPTA- every year

24. List of eminent academicians and scientists/visitors to the department: **NIL**

25. Seminars/Conferences/Workshops organized & the source of funding

- a) **National : Conferences – 02 funded by UGC**
- b)International

26. Student profile programme /course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I	187	60	05	55	63.50
B.Sc. II	80	80	07	73	61.50
B.Sc.III	45	45	07	38	89.71

*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. I	90	10	Nil
B.Sc. II	95	5	Nil
B.Sc. III	95	5	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? – **03 after M.Sc**
29. Student progression

Student progression (2014-15)	Against % enrolled
UG to PG	03

30. Details of Infrastructural facilities
- Library: **Central college library.**
 - Internet facilities for Staff & Students: **For staff through MRP sanctioned by UGC**
 - Class rooms with ICT facility:
Available in college, and, used when required
 - Laboratories; **01 with sufficient equipments**
31. Number of students receiving financial assistance from college, University, Government or other agencies: 90% (EBC, PTC scholarships for SC,ST & NT students)
32. Details on student enrichment programmes (special lectures/ workshops/seminar) with external experts: By arranging Seminars and, Guest lectures.
33. Teaching methods adopted to improve student learning:
Lectures, **Group discussion method, Use of audio – visual aids & question – answer method,**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
Actively participated in NSS activity of the college.
35. SWOC analysis of the department and Future plans:
- Strength** – Laboratory with adequate Equipments, space and light, academic environment, adequate feeding of students.
 - Weaknesses:** Lack of permanent infrastructure for ICT
 - Opportunity:** To apply for Major research project synthesis and characterization of nano-material.
 - Challenge:** Rural back ground of students belonging to financially weaker sections.

Department of Chemistry

1. Name of the department:-**Chemistry**
2. Year of Establishment :- **1993**
3. Names of Programmes /Courses offered(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :-**UG**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/semester/choice based credit system (programme wise):- Annual &**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

	Sanctioned	Filled
Professors	-	-
Associate Professors	00	00
Asst. Professors	03	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M.Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last4years
Dr. P.R. Kakde	M.Sc., B.Ed., NET., Ph. D.	Associate Professor	Physical Chemistry	22	-
Dr. Mrs. P.W. Chinchkhede	M.Sc. Ph.D	Assistant Professor(SG)	Organic Chemistry	21	-
Dr. A. H. Ghiya	M.Sc., B.Ed., Ph.D	Associate Professor	Inorganic Chemistry	14	-

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):- **224:3**
14. Number of academic support staff(technical) and administrative staff; sanctioned and filled:- **Teaching staff – 03, Non – teaching staff (Lab assistance & Lab attd) - 02**
15. Qualifications of teaching faculty with DSc /D.Litt /Ph.D/ MPhil/PG.:-
1. PG. NET & Ph.D 2. PG Ph.D., 3.PG Ph.D.
16. Number of faculty with ongoing projects from a) National b)International funding agencies and grants received: **completed project - 02**
17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received
:UGC sponsored MRP Rs 209000/- sanctioned and Rs.209000/- received
18. Research Centre/facility recognized by the University :**NIL**
19. Publications:
 - * a) Publication per faculty
 - * Number of papers published in peer reviewed journals (national/ international) by faculty and students: **13**
 - * 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.): **NIL**
 - * Monographs - **NIL**
 - * Chapter in Books:
 1. Dr. A.H Ghiya published two chapters in inorganic chemistry book published by GC publication, Nagpur.
 2. Dr. P. R. Kakde published ten chapters in physical chemistry books published by GC publication, Nagpur., and four chapters in physical chemistry book published by S Chand company New Delhi.
 - * Books Edited : **Nil**
 - * Books with ISBN /ISSN numbers with details of publishers:
 - 1.Inorganic Chemistry B.Sc. I., Dr. A.H. Ghiya., ISBN-978-93-82962-02-1.,GC publication Nagpur.
 2. Physical Chemistry B.Sc. I., Dr. P. R. Kakde., ISBN- 971-88-427 -2178-1., GC publication, Nagpur.
 3. Physical chemistry B. Sc. II., Dr. P. R. Kakde., ISBN – 971-88-425 -4578-0., GC publication, Nagpur.
 4. A New approach in Chemistry semester I., Dr. P. R. Kakde.,

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. I	90	10	Nil
B.Sc. II	99	1	Nil
B.Sc. III	99	1	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? –

NET -01,

29. Student progression

Student progression (2014-15)	Against % enrolled
UG to PG	10

30. Details of Infrastructural facilities

a) Library: **Central college library.**

b) Internet facilities for Staff & Students:

c) Class rooms with ICT facility: Available in college.

d) Laboratories; **01**

31. Number of students receiving financial assistance from college, University, Government or other agencies: 90% (EBC, PTC scholarships for SC, ST & NT students)

32. Details on student enrichment programmes (special lectures /workshops/seminar) with external experts: By arranging Seminars and, Guest lectures under the activities of the Chemical Society.

33. Teaching methods adopted to improve student learning:
Group discussion method, Use of audio – visual aids & question – answer method,

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
Actively participated in NSS activity of the college.

35. SWOC analysis of the department and Future plans:

Strength – Laboratory with adequate Equipments, space and light, academic environment, adequate feeding of students.

Weakness – Lack of permanent infrastructure for ICT

Opportunity – 1. To establish research laboratory

2. To start consultancy in the field of testing water and soil.

Challenge – To improve the quality of students having low percentage of marks at entry level.

Department of Zoology

1. Name of the department :-**Zoology**
2. Year of Establishment :- **1993**
3. Names of Programmes /Courses offered(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :-**UG**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/semester/choice based credit system (programme wise):- **Annual &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

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M.Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last4years
Mr. M. P. Barbate	M.Sc.	Assistant Professor	Physiology	20	-
Mrs.A. M. Watkar	M.Sc., B.Ed	Assistant Professor	Fishery	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):- 40:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:-**Teaching staff – 02, Non – teaching staff (Lab assistance & Lab attendant) – 01**
15. Qualifications of teaching faculty with DSc /D.Litt /Ph.D /MPhil /PG.:- **PG**
16. Number of faculty with ongoing projects from a)National b)International funding agencies and grants received: **Completed -02**
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received
: **UGC sponsored MRP Rs 1, 10,000/- sanctioned and Rs. 1, 10,000/- received**
18. Research Centre/facility recognized by the University: **NIL**
19. Publications:
 - * a) Publication per faculty 1. M. P. Barbate – 06 2. Mrs. A. M. Watkar - 19
 - * Number of papers published in peer reviewed journals (national/international) by faculty and students:
Peer reviewed International journals –10, National - 15
 - * 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.): **Nil**
 - * Monographs - **NIL**
 - * Chapter in Books:
 - * Books Edited : **Nil**
 - * Books with ISBN /ISSN numbers with details of publishers: Nil
 - * Citation Index: **Nil**
 - * SNIP: **Nil**
 - * SJR: **Nil**
 - * Impact factor: **Nil**
 - * h-index : **Nil**
20. Areas of consultancy and income generated :**NIL**

21. Faculty as members in

- a) National committees b)International Committees c)Editorial Board –

Mrs. A.M.Watkar member in editorial board in international journal for Technology science and Humanity. Faculty worked as a member on the organizing committee for the National Conferences arranged in the college, and, other affiliated colleges.

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. A.M. Watkar received Shahu maharaj state award for teaching 2013., International society for Humanities award for teaching 2014.

24. List of eminent academicians and scientists/visitors to the department: **NIL**

25. Seminars/Conferences/Workshops organized & the source of funding: **NIL**

- a) National b) International

26. Student profile programme /coursewise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I	134	60	07	53	38.40
B.Sc. II	37	37	2	35	79.65
B.Sc.III	23	23	6	17	77.20

*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
UG Zoology	95	5	-

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	0

30. Details of Infrastructural facilities

- a) Library: **Central college library.**
 - b) Internet facilities for Staff & Students:
For staff through MRP sanctioned by UGC
 - c) Class rooms with ICT facility: Available in college.
 - d) Laboratories; **01**
31. Number of students receiving financial assistance from college, University, Government or other agencies: 90% (EBC, PTC scholarships for SC,ST & NT students)
32. Details on student enrichment programmes (special lectures /workshops/seminar) with external experts: By arranging Guest lectures.
33. Teaching methods adopted to improve student learning:
Group discussion method, Use of audio – visual aids & question – answer method,
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
Actively participated in NSS activity of the college.
35. SWOC analysis of the department and Future plans:
1. **Strength** – Laboratory with adequate space and light, academic environment, adequate feeding of students.
 2. **Weaknesses:** Lack of permanent infrastructure for ICT
 3. **Opportunity:** To apply for Major research project.
 4. **Challenge:** To improve the quality of students having low percentage of marks at entry level.

Department of Computer Science

1. Name of the Department: - **Computer Science**
2. Year of Establishment: -**2000**
3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**-UG**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/semester/choice based credit system (programme wise):-
 B.Sc. (C.S.) :**Semester**
 B.C.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:

Course: B.C.A.
Reason: Non availability of eligible (SET/NET qualified) lecturers.
9. Number of Teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	-	-
Temporary [Contributory + Ad-hoc]	-	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M.Phil. etc.,)

Name	Qualification	Designation	Specialization	No.of Years of Experience	No.of Ph.D. Students Guided forthe Last 4years
Mr. V. R. Junghare	M.Sc.	Contributory	Computer Science	15	-
Mr. N. D. Thakre	M.C.A.	Contributory	Computer Application	05	-
Ku. P. S. Rokde	M.C.A.	Contributory	Computer Application	04	-

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise)
By temporary faculty:
B.Sc. (C.S.) :**100%**
B.C.A. : **100%**
13. Student-Teacher Ratio (programme wise):-
B.Sc. (C.S.) :**64 : 2**
B.C.A. : **8 : 3**
14. Number of academic support staff(technical) and administrative staff; sanctioned and filled:-

Non – teaching staff (Lab attendant) - 01
15. Qualifications of teaching faculty with DSc /D.Litt /Ph.D/MPhil/PG.:-
1. **PG**
2. **PG**
3.**PG**
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
- * Number of papers published in peer reviewed journals (national/ International) by faculty and students: **NIL**

- * 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.): **NIL**
- * Monographs - **NIL**
- * Chapter in Books: **NIL**

- * Books Edited: **Nil**
- * Books with ISBN/ ISSN numbers with details of publishers: **NIL**

- * Citation Index: **NIL**
- * SNIP : **NIL**
- * SJR : **NIL**
- * Impact factor : **NIL**
- * h-index : **NIL**

20. Areas of consultancy and income generated: **NIL**

21. Faculty as members in

a)National committees b)International Committees c)Editorial Board –**NIL**

Faculty worked as a member on the organizing committee for the National Conferences arranged in the college.

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 &the source of funding:

a) National b) International

Nil

26. Student profile programme /course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I	00	00	00	00	NA
B.Sc. II	36	36	4	32	48.57
B.Sc. III	18	18	3	15	92.31
BCA. II	12	12	2	10	87.88
BCA III	4	4	0	4	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. I	----	-----	----
B.Sc. II	90	10	Nil
B.Sc. III	98	2	Nil
BCA II	98	2	Nil
BCAIII	96	4	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: NET - 1

29. Student progression

Student progression	Against % enrolled
UG to PG	05

30. Details of Infrastructural facilities

a) Library: **Central college library.**

b) Internet facilities for Staff & Students:

For staff and students through NRC sanctioned by UGC

c) Class rooms with ICT facility: Available in college.

d) Laboratories; **02**

31. Number of students receiving financial assistance from college, University, Government or other agencies: **(EBC, PTC scholarships for SC,ST & NT students)**

32. Details on student enrichment programme (special lectures /workshops/seminar) with external experts: By engaging classes under “Remedial coaching classes”
33. Teaching methods adopted to improve student learning:
Group discussion method, Use of audio – visual aids & question – answer method,
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
Actively participated in NSS activity of the college.
35. SWOC analysis of the department and Future plans:
 1. **Strength** – Laboratory with adequate space and light, academic environment, adequate feeding of students.
 2. **Weaknesses:** The number of computers and Wi-Fi facilities are not upgraded.
 3. **Opportunity:** To provide ICT facilities to the other institutes governed by the governing body.
 4. **Challenge:** No. of students opting for this course is getting less and less in number.

5. Post-accreditation Initiatives

The college had undergone the accreditation process by NAAC in July 2004. In the post accreditation period, the college had marched ahead, in the right direction, by fulfilling most of the Peer Team's recommendations by following the quality measures.

The Peer team made the following recommendations :(The sentences in **BOLD** indicate the Peer team's recommendations & the sentences in *ITALICS* indicates the compliance)

- 1. The college may make efforts to get permanent affiliation to Nagpur University and also make efforts to get UGC recognition under 2(f) and 12(B) for its development.**

Our college got UGC's recognition under 2(f) and 12(B) in the year 2007.

- 2. The library facilities particularly its building, reading room and furniture need to be upgraded. The college may immediately increase the it's library holdings by buying more books, both, text and reference and subscribing more magazines and journals.**

The college had made progress in this direction. At present the library has 4261 books, and, 366 reference books and N-List facility. Library automation has been done. At the time of first accreditation stage, the college had the following no of books:

1. Books purchased- 862

2. Books donated- 810

3. Magazine- 03

Journals- 01

Reading room facility is available.

Hence the library holdings have increased manifold.

- 3. The college needs to create career guidance cell and strengthen it.**

The "Career and guidance cell" is created and is functional. Guest lectures were also arranged on the aspect of career counseling. Placement interviews were arranged by this cell.

4. The college should think to start job oriented courses such as biotechnology, microbiology, fisheries, forestry etc. at B.Sc. level. The college should also take initiative for getting affiliation for post graduate courses in a phased manner.

Due to high maintenance cost of running such subjects like biotechnology, microbiology, fisheries, forestry etc. the college has not opted for starting such courses. The college got permission to run M.Sc. (Mathematics).

- 5. Botanical garden needs improvement.**

The botanical garden is in good condition. However, it needs to be improved as nearby construction activity was done around it.

- 6. The college needs to start NCC unit both for boys and girls. Further in order to improve physical fitness, the college should establish multigym exercise facility.**

The NCC office was contacted for starting the NCC unit in our college. But, due to some administrative issues at their end, this proposal could not be fulfilled. However, the college has made provision of a Gymnasium which houses various modern equipments for bodily exercise.

7. The college should establish language laboratory for improving communication skills of the students.

The college is organizing “Spoken English” classes for the first year students since last many years.

8. The college needs to introduce its remedial coaching by giving regular hour of instruction to the students particularly for those years where new curriculum is introduced in order to keep the result high.

Teaching staff of the college conducted extra-classes to compensate the same. In addition to this, under the UGC’s scheme “Remedial coaching classes”, the remedial coaching classes are conducted regularly in the college.

9. The college may find the immediate means of delinking the junior college run in its building and create exclusive facilities.

The proposal was forwarded to the Governing body. The parent body has started construction activity and it may materialize in coming days.

10. The management may create a greater awareness in its catchments and nearby areas towards the need of collegiate education in order that enrolment may rise and the programmers that are in abeyance now for lack of students may revive.

The college is giving wide publicity about it in the media by way of pamphlets, and, cable TV advertisement. The demand ratio and admitted students has increased remarkably in the past few years. Especially there is a rise in the number of girl students.

11. The college may give incentives to its faculty to undertake more research, participate in more learned seminars and conferences and publish more scholarly papers.

The college has made a lot of progress in this direction. At the time of the first cycle of accreditation, there were 4 PhD and 1 M.Phil members of the teaching staff. The number of teachers holding PhD degree has increased, since then, to 10. Three teachers are pursuing their PhD degree. Research papers of them have been published in National and International level research journals. (In National Journals=100 ;In International journals=32). About 8 books and 29 chapters have been authored by them. A few of them have won research awards in National level conferences/seminars. 3 teachers have presented research papers abroad in International conferences. [China, Srilanka, Nepal and in Dubai (UAE)]

7 teachers are recognized as the PhD supervisors by the affiliating University. Among them, 3 teachers are engaged in guiding the Research scholars. The details are as under:

Sr. No.	Name of Faculty	Department	No. of Students awarded with Ph.D.	No. of Students registered for Ph. D	No. of Students submitted PhD thesis
1	Dr. R. K. Banerjee	Physical Education	13	02	03
2	Dr. S.M. Sakharkar	Librarian	00	05	04
3	Dr. S. P. Dongre	Physics	00	04	02

It is because of the encouragement from the authorities in the college, this achievement was possible. A few of them have also cleared NET/SET examinations in service.

As per the norms of the Government, such teachers of our institution have been given incentives in the form of increments etc.

12.The zoology department can undertake the project in vermi-compost production and create awareness among the farmers as an extension activity.

This was done in the past in collaboration with the MCVC wing of the Bhalerao High school and Junior college, Saoner. But, it evoked a little response from the farming community.