

GauriShankar Seva Samiti's
Vidnyan Mahavidyalaya, Malkapur
Dist. Buldana (Maharashtra)

Affiliated to
Sant Gadgebaba Amravati University Amravati.



Accreditation Cycle I

SELF-STUDY REPORT

SUBMITTED TO

National Assessment and Accreditation Council

Bangalore

September 2014

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PREFACE

It gives me immense pleasure to submit the Self Study Report (SSR) of our college to the Nation Assessment & Accreditation Council (NAAC), Bangalore for Accreditation (Cycle I) in compliance of our LOI requirements for further quality sustenance, enhancement and improvement of the college. This exercise has provided us an opportunity to review and analyze the institutional progress, after the first accreditation. The Internal Quality Assurance Cell, established after the first accreditation of our college, has been instrumental in raising the bar of excellence and adopting and implementing diverse quality enhancing measures during the Post-accreditation period. The college complied with maximum recommendations of the Peer Team in a planned and systematic manner.

This report is the outcome of the collective efforts of the entire campus community. I deeply appreciate the wide involvement and sincere, collaborative effort of the entire team. The college is marching towards excellence by adopting innovative initiatives, acquiring new skills and employing new techniques.

Hope we shall have the pleasure of hearing soon from you on your decision of Peer Team Visit for Inspection.

Dr. B. B. Wankhade
Principal

Executive Summary

Accredited in 2004 with B+, VIDNYAN MAHAVIDYALAYA , the premier centre of higher education in science completed 21 years of its service to the nation in 2014. This Institution volunteers for second time Accreditation submitting its self-Study Report, a document that faithfully conforms to NAAC's guidelines and records of its aims, mission and innovative initiatives in its pursuit of excellence.

Scientific and humanist approaches are not competitive but supportive and both are ultimately necessary in the human life. Looking towards the importance of higher education in science, Vidnyan Mahavidyalaya Malkapur, affiliated to Sant Gadge Baba University, Amravati was founded in 1993 by Gauri Shankar Seva Samiti a local Society established by a group of visionary with strong commitment towards education. Vidnyan Mahavidyalaya (VMV) is committed to quality education, empowering personalities and development of responsible members of the society.

The Performance appraisal of the institution is summarized below:

Curricular Aspect:

With the aspiration to develop scientific approach, humanism and spirit of aspiration in the student of rural based, economically and educationally backward society, the Vidnyan Mahavidyalaya, Malkapur was established in 1993. The degree course in science with Chemistry, Physics, Computer Science, Mathematics, Zoology and Botany, Post graduate course in Organic Chemistry, UGC Sponsored diploma course in water quality and soil testing and diploma in Medical Laboratory Techniques of Yashvantrao Chavan Maharashtra Open University are offered by the college . The degree course, P.G. course and diploma courses are itself career oriented courses. U.G. students can simultaneously pursue their study in COP and DMLT diploma courses.

The horizontal mobility is provided in the U. G. courses at the entry level with various subject choices and subject group. The curriculum is constantly updated and every new academic programme is strategically planned. The exposure of faculty in recent advances through participation in conference, workshop, seminars, refresher, orientation, short term courses and interaction of subject teachers at University level give the right impetus and direction for necessary changes in the curriculum. As per the recommendation of Peer Team, M.Sc. (Chemistry), recognition of Chemistry Laboratory for Ph.D. work & career oriented DMLT course were introduced taking into consideration the employability and demand factors in the emerging global context.

Member of our faculty nominated by the affiliating University on its Board of studies in Zoology have made our contribution in making the curriculum update by suggesting incorporation of component appropriate for the need of the current scenario.

The college has signed MoUs with laboratories and Hospital to facilitate interaction.

Total strength of student in the college is 390. They are looked after, taught and guided by 13 regular & 22 contributory teaching staff. Amongst the regular teachers, 4 are having Ph.D. as highest Degree, 3 with M.Phil degree and 4 are perusing their research work for Ph.D. degree.

Teaching – Learning and Evaluation:

Students are admitted by a transparent, well administered mechanism, complying with all the norms of the concerned regulatory governing agencies including affiliating university and state government. The institution ensures equity and wide access by following the policy of ‘Merit Basis’ and is well represented by students from different socio-economic, cultural and educational background. The entry of the fresher’s is made comfortable with a welcome function organized by the seniors.

The college has adequate in-build mechanism to achieve the aims of academic excellence. The college plans and organizes teaching, learning and evaluation schedules by strictly following University and college academic calendars, by preparing teaching plans & by maintaining academic diaries of the academic vents and co-curricular activities. It is ensured that effective teaching days are more than those given in the norms i.e. 180 days .

Class tests are conducted to assess the academic needs of the students. Slow learners and advanced learners are identified through an analysis of the formatives tests. Remedial coaching classes are arranged to help the slow learners and students from SC,ST,OBC, Minority and economically backward class students.

Chalk-Blackboard teaching learning method is well supported by ICT based teaching learning method for the summative examination to be conducted by the University. Student mentoring and guidance services are provided for the students at the academic, personal and psycho-social levels through teacher guardian scheme.

The college has well defined mechanism for continuous assessment of the student. The college maintains a student-centric atmosphere to achieve the desired learning outcomes. The teachers employ interactive and participatory approach creating a feeling of responsibility in learning and make learning a process of construction of knowledge. Interactive instructional techniques like focused group discussions, viva-voce, projects, assignments, seminars, experiments and power point presentations enrich the teaching –learning experience. Regular evaluation and assessment providing question banks, generation of material for summative examinations are some of the best practices of the college.

Along with imparting knowledge, the college also take holistic and moral development programme for the students.

Faculty takes initiative to learn and keep abreast of the latest developments, to innovate continuously, seek improvement in their work and strive for individual and institutional excellence. The strong feed-back mechanism for faculty involving self-appraisal, feedback from students and Head of the Institution help faculty members to enhance their professional competency.

Research, Extension and collaboration:

The college encourages its staff to take up research activities and engage in interdisciplinary and interdepartmental research activities. The college has research committee for promotion and coordination of the research activities.

The college has three recognized research guides. Eight out of thirteen staff members are actively involved in the research activities.

To enhance the interest of students in research, various activities like project assignment, arrangement of seminars, encouraging them to participate in intercollegiate competitions, publishing magazine with special issue like “Work of Nobel Winners” are performed.

College had planned to provide consultancy services in the field of water analysis, soil testing, blood analysis, urine analysis & advanced fertilizers.

The college has a wide range of extension and outreach programmes. The extension programmes by NSS, SRC, Red ribbon club, Gadgebaba Vichar Manch & Student welfare committee of University provide innumerable opportunities to reach out to society. Workshops, Seminars, Science exhibitions, festival celebration, annual social programme, sport day celebration & science day celebration are regularly held by the college.

The college has collaboration with nearby industries, laboratories, institution, GO's and NGO's

Infrastructure and learning resources:

Infrastructure facilities are the key of effective and efficient conduct of the educational programme. The college has 7 well furnished class rooms, 6 laboratories, administrative block, Library, toilets, sports cell, NRC, NSS cell & research laboratory.

The college has central library with adequate books, journals, reading room and having good average walk-ins of student and staff. The college provides special facilities like book bank, books on deposition, books to advance learners etc.

The college has purchased office automation and library automation software to facilitate smooth and quick service in administration. Well equipped computer laboratory, LCD projectors, overhead projector, interactive boards, Laptops and advance instruments provide the right ambience for the effective conduct of academic programme. The college has developed good atmosphere for games and sports. Sport activities are conducted through the session. Mr. Rupesh Rokade & Mr. Lalit Wagh of this college has secured various prizes in power lifting at National & International level.

The college is having broad band connectivity. The access of internet is provided to computer laboratory, each office staff, Principal and Network Research Centre.

The facilities like power generator for continuous power supply, drinking water supply, safety measures like fire extinguishers are provided.

The institute hires the services of technical experts for maintenance of its infrastructure and Laboratory equipments whenever is needed . The institute has annual maintenance contract for IT infrastructure and power Generator.

Student support and progression:

The diverse programmes in academics, sports, cultural extension and co-curricular activities are well synchronized and reinforced with an effective support system to produce skilled, self-reliant and responsible students as visualized in the Vision statement and Goals of the college. The institutions publish its updated prospectus to provide detailed information of college. The institute also uploads the important information on its website vmvmlk.org. The annual magazine 'Zep' is published every year to provide the platform to the student and staff to explore their knowledge, ideas, thoughts and talent.

About 80% of students receive either scholarship or concession from GOI, Government of Maharashtra, UGC and other organizations. The college has delegated its working to different committees to help in bringing the services of the college near to the student. Teacher guardian scheme & career guidance cell gives assistance for vocational placements and personal guidance to the students. The average student progression to higher education and employment is 44% for U.G. and 64% for P.G. for last four years. Since its inception, 4 students appeared in the merit list of parent University.

College encourages participation of students in sports and seminars.

Mr. Rupesh Rokade of this college represented our Nation 'India' in Power lifting in Asian Games held at Japan in 2011-12. He also secured 1st position in various events at National level. Mr. Lalit Wagh and Shubham Bhagat participated in All India University level Sports representing our parent university. Two students secure 1st prize in intercollegiate seminar competition at University level.

For overall personality development of the students, programmes on Soft Skill development, Power Point Presentation, P.D., GDPI, scientific aptitude and seminar. Student grievance committee and women sexual harassment prevention cells are in place to redress the student grievance if any. The platforms like youth festival and annual social meet are provided to

student to explore their talent in cultural activities. Remedial coaching & book bank facility are available for SC/ST, minority & other backward class students.

The college have academic & administrative bodies like student council, anti- ragging committee, associations that have students representative on them. College invites its alumni every year at the occasion of annual social meet . The dais is made available to the alumni to perform the cultural activities and to share their thoughts with students, staff and other alumina of the college

Governance, Leadership and management:

The college is run by the Gaurishankar Seva Samittes, a society formed by a group of visionary with strong commitment towards education. The mission of the college is to impart quality education for empowering the personalities to develop responsible member of the society. The college has very efficient internal coordinating and monitoring mechanism. Regular meetings of managing committee, Governing body, IQAC, Heads of the department and staff of college offer a platform to present and discuss the perspective plans of the college and help in effective implementation of institutional policies.

The Principal works closely with administrative team comprising coordinator IQAC, In-Charge SRC, In-Charge extension activity, In-Charge staff council, In-Charge Cultural activity, Director of physical education, In-Charge academic activity, librarian, Heads of the department, University representative of the college, student In-Charge, Head clerk and staff to offer effective leadership by setting values and participative decision- making process in coordinating the academic and administrative planning and implementation.

Yearly planner and academic calendar is prepared and distributed to staff well in advance. Teaching plans are prepared and executed by the staff. The academic daily diary is maintained by the staff and to ensure the effective execution of curriculum delivery by the teacher, diary is checked by the HOD every week and by the Principal at the end of each month. Student counseling through TG Scheme, career counseling cell and personal attention on academically weaker students by the Principal and staff is common practice of the institution which facilitate to improve their performance.

The financial resources of the college are managed in an effective and efficient manner. All receipts and payment are checked by Head Clerk and the Principal. All collections are deposited daily in the Joint Bank account of the college and payments are done through cheque only signed by the Principal of the college and one management member (Chairman, Executive chairman or Secretary of the society).

The Institution promotes professional development of the faculty to the greatest possible extent. Teaching staff is encouraged to present papers in seminars and conferences by providing seed money.

Innovation and best Practices:

College has develop clean and green campus. Trees with high capacity to credit carbon like Saptaparni , Banyan, Neem, Bush etc. are planted in the campus. Palm trees, Casurina , Lily, Ficus etc. are planted and maintained by the NSS students and staff of the College. The college has actively participated in eradication of congress grass from its campus and other public places like government hospital & road sites in collaboration with NGO's. The roof water is harvested in rainy season to increase the water level of well in the campus.

The college has encouraged the staff and student for research, co-curricular and extension activities. Special programme are conducted for

imparting value education, developing sense of civil responsibilities amongst students and developing better learning habits. Critical suggestion from students, parents or teachers are used for improvement. The college has strong mechanism to counsel the students for their academic excellence and to solve psycho-social-economical problem of the students. There is a sound system of student's assessment.

SWOC ANALYSIS

I) Strengths:

- * Student centered activities with appropriate weightage to academic, extension , Sports and cultural sites.
- Visionary Management.
- College is included in 2f and 12B list of UGC hence entitled to receive grants.
- Dedicated staff with high level of team spirit.

II) Weaknesses:

- Limitation of space
- Diverse student community.

III) Opportunities:

- To develop interdisciplinary research centre.
- To give need base services to society through consultancy.
- To product skill- knowledge providers with scientific temper to serve the society.
- To become a science educational institute renowned at National and International level.

IV) Challenges:

- Educationally backward region
- Generation of resources for upgradation

- Campus placement
- Improvement of University Examination results.
- Collaboration with National/ International Institutions.
- Recruitment of qualified teaching faculty on the vacant posts.

1. Profile of the Affiliated / Constituent College

1. Name and Address of the College:

Name :	Vidnyan Mahavidyalaya, Malkapur	
Address :	Nandura Road, Malkapur Dist. Buldana	
City : Malkapur	Pin : 4434101	State : Maharashtra
Website :	www.vmvmlk.org	

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. B. B. Wankhade	O:07267- 223259 R:07267-226499	9422883075	07267- 223259	wankhadebb@gmail.com
Steering Committee Co-ordinator	Dr. C. M. Bharambe	O:07267- 223259	9096717604		vmvmlk1993@gmail.com jscmb0128@rediffmail.com

3. Status of the Institution:

- i. Affiliated College
- ii. Constituent College
- iii. Any other (specify)

✓
✗
✗

4. Type of Institution

a. By Gender

- i. For Men
- ii. For Women
- iii. Co-education

✗
✗
✓

b. By shift

i. Regular



ii. Day



iii. Evening



5. It is a recognized minority institution?

Yes



No



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

6. Sources of funding:

Government



Grant-in-aid



Self-financing



Any other

7.

a. Date of establishment of the college:

20/05/ 1993

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

Sant Gadgebaba Amravati University, Amravati

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)
i. 2 (f)	14/12/2004
ii. 12 (B)	10/03/2006

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

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

Under Section/ clause	Recognition/Approval details Institution/Department	Day, Month and Year	Validity	Remarks
i.	Not Applicable			
ii.				
iii.				
iv.				

(Enclose the recognition/approval letter)

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

Yes ☒ No ☒

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

Yes ☒ No ☒

9. Is the college recognized

a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☒ No ☒

If yes, date of recognition: (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes ☒ No ☒

If yes, Name of the agency and

Date of recognition: (dd/mm/yyyy)

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

Location *	Semi-urban
Campus area in sq. mts.	10562
Built up area in sq. mts.	2627.9

(* 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 in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities ☒

- Sports facilities

* play ground	☒
* swimming pool	☒
* gymnasium	☒

- Hostel

* Boys' hostel

i. Number of hostels	☒
ii. Number of inmates	☒
iii. Facilities	☒

(mention available facilities)

* Girls' hostel

i. Number of hostels	☒
ii. Number of inmates	☒
iii. Facilities	☒

(mention available facilities)

* Working women's hostel

i. Number of inmates	☒
ii. Facilities	☒

(mention available facilities)

- Residential facilities

i. For teaching

☒

ii. For non-teaching staff

☒

(give numbers available — cadre wise)

- Cafeteria

☒

- Health centre –

- First aid

☒

- Inpatient

☒

- Outpatient

☒

- Emergency care facility

☒

- Ambulance

☒

Health centre staff –

- Qualified Doctor Full time

☒

Part Time

☒

- Qualified Nurse Full time

☒

Part Time

☒

- Facilities like

- banking

☒

- post office

☒

- book shops

☒

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

☒

- Animal house

☒

- Biological waste disposal

☒

- Generator or other facility for management/regulation of electricity and voltage

☒

- Solid waste management facility

☒

- Waste water management

☒

- Water harvesting



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

S. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1	Under-Graduate	B.Sc.	3 yrs	Pass in HSC or its equivalent	English	144	144
2	Post-Graduate	M.Sc.	2 yrs	Passed in B.Sc.	English	20	20
3	Ph.D.	Chemistry	As per the Parent University norms	Completion of PG with M.Phil. /PAT in the same discipline	English	8	5

13. Does the college offer self-financed Programmes?

Yes ☒

No ☒

If yes, how many?

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

Yes	☒	No	☒	Number	1
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15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the

departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	8	6	1	1

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

a. annual system	x
b. semester system	2
c. trimester system	x

17. Number of Programmes with

a. Choice Based Credit System	1
b. Inter/Multidisciplinary Approach	x
c. Any other (specify and provide details)	x

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).....
(dd/mm/yyyy)

and number of batches that completed the programme

b. NCTE recognition details (if applicable)

NotificationNo.:.....

Date: (dd/mm/yyyy)

Validity:.....

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

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

Yes ☒ No ☒

If yes,

a. Year of Introduction of the programme(s).....

(dd/mm/yyyy)

and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.:.....

Date:(dd/mm/yyyy) Validity:.....

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

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

Position	Teaching faculty						Nonteaching Staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government Recruited	1	0	-	-	10	2	6	1	6	0
Yet to recruit	0	0	-	-	4	0	0	0	0	0
Sanctioned by the Management/ society or other authorized bodies Recruited	-	-	-	-	-	-	-	-	-	-
Yet to recruit	-	-	-	-	-	-	-	-	-	-

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.		--	--	---	--	--	--
Ph.D.	01	--	--	--	03	--	04
M.Phil	--	--	--	--	03	--	03
PG	--	--	--	--	04	02	06
Total	01	--	--	--	10	02	13
Temporary teachers							
Ph.D.	--	--	--	---	--	--	--
M.Phil.	--	--	--	---	01	01	02
PG	--	--	--	--	04	10	14
Total	--	--	--	--	05	11	16

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

16

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

Categories	2010-11		2011-12		2012-13		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	06	02	09	01	05	04	06	10
ST	00	00	00	00	00	00	00	00
OBC	40	90	42	104	41	110	41	160
General	30	38	22	43	6	40	7	39
Others	66	32	80	31	45	27	40	39

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

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	360	30	00	05	395
Students from other states of India	00	00	00	00	00
NRI students	00	00	00	00	00
Foreign students	00	00	00	00	00
Total	360	30	00	05	395

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

2011-12 to 2014-15

UG :

20.71

PG :

11.53

26. Unit Cost of Education

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

(a) including the salary component

Rs.66474/-

(b) excluding the salary component

Rs. 16972/-

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

Yes



No



If yes,

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

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

c) Number of programmes offered

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

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

UG : **1 : 20.24**

PG : **1 : 8.33**

29. Is the college applying for

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

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: (dd/mm/yyyy) Accreditation

Outcome/Result..... 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.

31. Number of working days during the last academic year. **241**

32. Number of teaching days during the last academic year : **190**

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

33. Date of establishment of Internal Quality Assurance Cell (IQAC)
IQAC **6/10/2004**

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

(i) AQAR for year 2004 –	2005 on 08/04/2005
(ii) AQAR for year 2005 –	2006 on 03/04/2006
(iii) AQAR for year 2006 –	2007 on 01/05/2007

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

- Departments of Zoology has been under process as Research Departments.
- More faculty members have obtained Ph.D.
- More faculty members have been registered as a supervisor for M.Phil and Ph.D.
- Some faculty members have undertaken minor and major research projects.
- Remedial coaching for slow learners has been introduced.

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.

Vidnyan Mahavidyalaya, Malkapur an institution of Higher Education in Malkapur, established in the year 1993 with a vision to empower the students through quality education.

Mission Statement:

We are committed to quality education, empowering personalities and development of responsible members of the society.

Goals:

- To impart quality based higher education in science for rural based society.
- To develop scientific approach, humanism, spirit of enquiry and reform in the youth of society.
- Utilization of acquired knowledge in problem-solving of the society.
- Development of various basic skills among the students so as to become independent members of the society.
- To provide platform for the development of physical, mental and moral strength through sport, extension and co-curricular activities.
- To attain community and social development through the optimum use of infrastructure facilities of the institution.
- To streamline the exuberance of youth for the sake of nation building.
- To acquaint the students with technological advances to keep pace with the development in science and technology.

The Mission and Goals of the Institution are communicated to the students, staff and stakeholders through the college prospectus, display on the main entrance of the college and display on the college website.

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 thoroughly plans and develops action plans for effective implementation of the curriculum. Teaching plans are prepared in accordance with yearly planner provided by the office. Teachers prepare schedule of work for each subject semester/term wise. The teaching plans are checked by the staff him/herself and by the Head of the department. The actual periods engaged by the staff members and topic covered in that lecture are mentioned in the academic diary. The academic diary is provided by college to the individual teachers. The weekly verification of academic diary is under the control of the head of department of their respective subject and monthly verified by the head of institution of the college.

The curriculum delivery is effectively done through lectures, supported by Power Point Presentations and OHP. Printed study material is also given to the students and supplemented by Group Discussions, Seminars and Interactive sessions.

The college conducts the regular meeting of the staff members and review is taken on the syllabus coverage. If someone is lacking in timely implementation of curriculum, provision of extra periods is made in the time table.

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?

- Traditional and advance teaching aids.
- Laboratories material and equipments.
- Refresher, orientation and short term courses.
- Curricular and co-curricular activities are organized and permitted to attend workshop, seminar etc.
- Library facility - recent books and journals
- Internet facility.

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.

- i. Advanced instruments worth Rs. 10,23,335/- are provided to the departments to deliver the advances in the curriculum properly.
- ii. The provision of specific amount is made at the beginning of session, so that department can purchase required material to deliver the curriculum, timely and effectively.
- iii. The books mentioned in the reference section of the syllabus are made available before beginning of session.
- iv. The students and staffs are motivated to attend the workshops on the skills to handle advanced instruments.
- v. Meetings of staff are conducted to discuss innovative methods in teaching and learning.
- vi. Study tour for students and staffs are arranged.
- vii. Seminar, group discussion, project assignment and visit to industries for better environment and better of the student for the better understanding of the topics are arranged.

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

The institution motivates the departments to take the students to industrial visits related to their subjects (Botany, Zoology, Chemistry, I.T industries, Chemical Industries etc.) as a part of the curriculum, which helps to the students to gain practical knowledge in their field of study.

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

The regular staff members of the institution are the members of the association of various subjects at University level like AUCTA (Amravati University chemistry teachers association), PTA (Physics Teacher Association), Botany, ZS (Zoological Society) and SGBAU MTA (Gadge Baba Amravati University, Amravati Mathematical Teacher Association). The teachers interact with other faculty in the workshops for curriculum designing. The outputs of those workshops are submitted to University for interpretation in the curriculum by concern association. One of the staff member of the institution Dr. C.M. Bharambe, is working as a member of Board of studies in Zoology of Sant Gadegebaba Amravati University, Amravati. He participated directly in designing and planning of curriculum of zoology at University level.

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.

Career oriented programme in “Water Quality and Soil Testing” was started with grant-in aid from UGC. The curriculum of this course was designed by the college faculty and was proposed to the University. Maximum topics proposed by the college are incorporated in the current syllabus of University.

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

The main objectives of curriculum are discussed in the departmental meetings. The knowledge of particular curriculum is transferred to the student by the teaching and learning method. The acquisition of knowledge by the students is ensured by testing them through class tests and seminar competition. Another objective of curriculum is generally to develop skills of applying the gained knowledge. Those skills are ensured by assessing the students in the practical performance.

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.

With the aim of acquaint the students with knowledge and skills of water testing for drinking and irrigation purpose and soil testing for various crop patterns studies along with to start with career of testing water and soil with grant in aid from UGC, certificate, diploma and advance diploma course in “Water quality and Soil testing” is run by the institution. This course is for the students of B.Sc. of this institution, which provide skill of water and soil testing simultaneously along with their regular degree courses.

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

There no dual degree programme but the student of this college can simultaneously go for certificate and diploma course in water quality and soil testing and Medical laboratory techniques.

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:

1. Core/Elective Options: The UG curriculum of each discipline offers options in the elective courses. The six subject offered by Institution are Physics, Chemistry, Botany, Zoology, Mathematics and Computer Science. The student has option to choose any one of the following groups:

- i. Chemistry, Botany, Zoology
- ii. Chemistry, Physics, Mathematics
- iii. Chemistry, Physics, Computer Science
- iv. Physics, Mathematics, Computer Science

The elective papers are offered in some subjects like Zoology and Mathematics. For the PG course, elective options can be opted to the students. Those elective include interdisciplinary subjects like Zoology, Botany and some of the modern subject like Biotechnology.

2. Choice Based Credit System and range of subject options: The PG course M.Sc. offered by the institution is choice based credit system. The core subjects are Physical, inorganic, analytical and organic chemistry. Apart from this, the students have choice to opt any topic or subject of their choice, so that they can acquaint with knowledge and skills of other topics which is

helpful in their future career.

3. Courses offered in modular form - Nil

4. Credit transfer and accumulation facility - Nil

5. Lateral and vertical mobility within and across programmes and

Courses: There is lateral mobility in the choice of course at B.Sc. I level. The students have choice to choose any one group from amongst four groups available in the college.

6. Enrichment courses : From the session 2014-15 college has started Diploma course in Medical Laboratory Techniques affiliated to YCMOU, Nashik. As the college is now recognized study centre of YCMOU, Nashik, the college has planned to start more enrichment and career oriented courses from next session.

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

No.

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.

Yes.

Apart from career oriented programmes mentioned in 1.2.1, the college conducts skill oriented programmes for the students and staff like soft skill development, personality development etc. The beneficiaries are 12 regular and 15 ad-hoc faculty members and all the students of the college.

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.

1.3 Curriculum Enrichment

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

The College being affiliated to the University does not have the option of formulating its own curriculum. The institution offers science courses of B.Sc. and M.Sc. The institution supplements the co-curricular activities like conduction of Seminar, Projects, Science Quiz, Science Exhibition, Group discussions, Study Tours, Industrial Visits, Interaction with subject expert etc. This helps not only in understanding the curriculum in better way but also to integrate the objectives of the institute with academic programme. The objectives like to impart quality based education in science for rural based society, to develop scientific approach utilization of acquired knowledge etc. are integrated with the academic programme.

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

The BOS members from the institution have a regular meeting with the University and submit the demands based on the educational needs for up-gradation and modification of the curriculum.

Apart from classroom teaching and applying the knowledge in performing practical, the institution organizes University level seminar

competition for specific subject and topic. Also institution motivates student to take part in various training programmes, workshops and seminar competitions at various levels, where the student gets exposure by interacting with the students and experts of other institutions. The institute organizes personality development programmes for the students so that they gain skills to apply their knowledge for better employment.

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

The college runs co-education system. To avoid cross cut issues such as genderism, climate change etc. and the following committees are formed and the duty of the committee is to monitor and take care of the students when they are in trouble.

- 1. Anti-Ragging Committee:** To protect the girls and boys from the harmful activities of the seniors. In such cases, as per ragging act severe action will be taken against them. In our case no such case has been registered so far. The anti-ragging committee comprises of following members

S. No.	Name of Members	Profession	Designation in Committee
1	Dr. B. B. Wankhade	Principal	Chairman
2	Shri R.W. Umalkar	Reporter	Member
3	Adv. N.B. Dhoot	Lawyer	Member
4	Shri. Sapkale API	Police officer	Member
5	Shri S.N. Patil	NGO	Member
6	Prof. S.V. Borle	NSS coordinator	Member

7	Prof. V. S. Deole	DPE	Member
8	Dr. R.T. Parihar	Asstt. Prof.	Member
9	Mr. Liyakat Khan	Parent	Member
10	Shri S.G. Narkhede	Head Clerk	Member
11	Ku. Neha K. Chandkai	Fresh Student	Member

2. In computer science subject information and communication Technology (ICT) in the curriculum, for equipping the students to compete in the global employment market, has been made possible by offering this as a part of the curriculum.

3. Students are given intensive coaching both theoretically and practically in all aspects pertaining to communication Technology.

4. Library facilities with the latest books and Journals are also extended to the students.

5. Internet facilities is also provided to augment their knowledge.

6. Gender sensitization programmes such as seminar on ladies safety, health care, physical fitness, etc

7. There is a compulsory subject in the curriculum of B.Sc. II based on the environmental studies.

8. In 2000-2001, the computer science subject was started for equipping the student to compete in the global knowledge hub.

9. Career oriented programme “Water Quality and Soil Testing” is run to against the students with cross cut issue such as water pollution, crop patterns, climate change etc.

10. From the session 2014-15 college has started Diploma course in Medical Laboratory Techniques affiliated to YCMOU, Nashik.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

Apart from curriculum based courses, all the departments offer courses that add value to the programme of study. Soft skills and English for Competitive Examinations are offered as skill based programme. These programmes are useful to train the students to present their best performance in interviews and this enables them to acquire good jobs.

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

The institution has a mechanism of collecting feedback from students about the evaluation on teaching and syllabus completion. Feedback from Parents on curriculum and teaching methodology is obtained during Parent Teacher Meeting sessions.

Responses on curriculum are also collected from Alumni. The feedback thus obtained is communicated to the University for appropriate action through the faculty members who are part of the Board of studies in the particular faculty in the University.

The feedback has been utilized in enriching the curriculum in the following manner:

- The present syllabus of Computer Science is based on industry-market needs.
- The present syllabi of Physics includes research based Nanotechnology for B.Sc. III.
- Masters of Science in Chemistry introduced to meet the demand of industrial area.
- Inclusion of project assignment in the B.Sc. II and III for each subject to enable the students to cope with latest development in each subject.

- Inclusion of project work in the final semester of M.Sc. in Chemistry to enable students to have a better grasp about the industry requirements.

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

The institution monitor the DMLT course by providing advance facilities in the pathology laboratories and exposure at civil hospital.

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 regular staff members of the institution are the members of the association of various subjects at University level like AUCTA (Amravati University chemistry teachers association), PTA (Physics Teacher Association), Botany, ZS (Zoological Society) and SGBAU MTA (Sant Gadgebaba Amravati University, Amravati Mathematical Teacher Association). The teacher interacts with other faculty in the workshop for curriculum designing. The output of those workshops is submitted to University for interpretation in the curriculum by concern association. One of the staff member of the institution Dr. C.M. Bharambe, he is working as a member of Board of studies in Zoology of Sant Gadegebaba Amravati University, Amravati. He participated directly designing and planning of curriculum of Zoology at University level.

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?

Before revision of syllabus by the University, it is discussed in various teacher's association of subjects. The teachers participate in such discussion interact with other teachers and members of University authority proposed draft copy of syllabus for particular class/semester is prepared in such discussion. These draft syllabus is made available for discussion amongst faculty members and for the students. The concert teachers of our institution arranges discussion with the student on draft syllabus. If students and staff suggests any change in syllabus the same is communicated to the concert board of studies through concern teacher to incorporate the change in the coming syllabus.

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?)

Institution has started DMLT course affiliated to Yashwantrao Chavan Maharashtra Open University from the session 2014-15. The rationale of this programme is to provide the knowledge and skill to students about this career oriented programme.

Chemistry laboratory is recognized for research work by Sant Gadgebaba Amravati University, Amravati from the session 2010-11.

CRITERION II: TEACHING - LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process? Institution ensure wide publicity for the admission process through

- a) Prospectus for UG and PG course
- b) Advertisement in local Newspaper for UG and DMLT course
- c) For the admission to UGC sponsored career oriented course, notice is circulated in all classes.
- d) Hosting of admission process on college website

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 students are selected for the admission to the UG and PG courses according to University norms. The rules and condition for the eligibility are prescribed in the prospects. The merit list is displayed from amongst the received application forms. The students are admitted as per the rules of reservation quota like SC, ST, VJNT, OBC, PH, Girls etc.

The students are admitted to career oriented programme according to the rules frame by UGC among the college UG student only.

The cut off percentage for admission at entry level is mentioned in following table :

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.

Percentage of B.Sc. I admitted students

Year	Open		Backward Class	
	Maximum	Minimum	Maximum	Minimum
2012-13	83	42	83	41
2013-14	80	53	66	47
2014-15	83	47	78	44

Percentage of M.Sc. I admitted students

Year	Open		Backward Class	
	Maximum	Minimum	Maximum	Minimum
2012-13	58	52	62	49
2013-14	57	51	75	46
2014-15	82	54	75	40

Vidnyan Mahavidyalaya is only Science College in the Malkapur town offering B.Sc. and M.Sc. Courses. The wide range in the minimum and maximum marks of entry level students is due to variation in the locality i.e. rural, backward as well as student with educated surrounding are admitted.

As the admission process is strictly followed as the norms for backward classes, the cut off percentage for backward classes down. While student of higher percentage are also admitted.

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

Yes.

At the time of admission the student are made aware about their attendance and performance in college tests. The undertaking from students mentioning that

- i. They will attend all theory and practical class not less than 75% and
- ii. They will secure not less than 20% marks in each class test. Otherwise they will be detained from appearing of the University examination.

After every month, the attendance of the students are displayed on notice board. If the students are found short in attending the classes, they are concealed by the teacher counselor concerned. If anybody still short in the attending the classes the letters are dispatched to their parents warning that student is not attending regularly. If he /she fail to make up the attendance, he/she will be detained. Again staff/principal talk with such parents/students and advice to attend the classes after hearing their difficulties regarding less attendance.

After every test exam, the works are displayed on notice board and the answer sheets are return to the students. If anybody secures less than 6 out of 30, she/he is counseled by teacher counselor and motivated to give better performance.

Even after counseling by teacher and talking with the parents, if any student is short listed for their short attendance the students are detained from appearing the University exam. In 2006-07 - the six student were detained while in the 2007- 08 - the five students were detained. The outcomes of this effort are that the students are attending the classes regularly since last year there was no use to detention anybody from the University examination.

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

The college runs on co-education basis giving equal opportunity to men and women. The reservation policy for SC, ST, VJNT, OBC, PH and women is strictly followed.

This institution is in the educationally backward area as decided by UGC according to gross enrollment ratio. To promote educationally backward student specially from rural section, ward of farmers, workers and from the minority and economically backward community, equal opportunities are given in the merit list and all facilities like scholarship and concession are given to them according to the rules of government of India and Maharashtra. Out of this the college has girl student more than 50%, minority students more than 20%, rural backward students more than 50%, the students from SC/ST, VJNT, Minority, OBC, EBC are more than 75%.

Category	Year			
	2010-11	2011-12	2012-13	2013-14
SC/ST	8	10	9	16
OBC	130	146	151	201
Women	162	179	179	248
Differently abled	0	0	0	0
Economically weaker sections	18	12	10	24
Minority community	89	104	67	65
Any other	75	78	55	73

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	Year											
	2010-11			2011-12			2012-13			2013-14		
	No. of application	No. of Student admitted	Demand ratio	No. of application	No. of Student admitted	Demand ratio	No. of application	No. of Student admitted	Demand ratio	No. of application	No. of Student admitted	Demand ratio
B.Sc. I	153	113	1.35	161	111	1.45	178	118	1.51	190	120	1.58
B.Sc. II	97	97	1.00	92	92	1.00	99	99	1.00	113	113	1.00
B.Sc. III	58	58	1.00	96	96	1.00	44	44	1.00	84	84	1.00
M.Sc. I	25	20	1.25	20	12	1.67	15	11	1.36	17	13	1.31
M.Sc. II	16	16	1.00	21	21	1.00	06	06	1.00	12	12	1.00

Overall number of students admitted to UG and PG course are increased in the session 2014-15. The increase in the trend may be attributed to

1. Increased interest of students in science subject.
2. Only science college in the Malkapur Tahsil
3. Improvement in the teaching learning method and overall reputation of the college.

2.2 Catering to Student Diversity

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

As per govt. policy there is 3% reservation for differently able students in the admission quota. The reservation policy of differently able students is strictly followed.

Further, the additional infrastructure like ramp is provided at ground

floor. Government scholarships are also made available to the differently able student.

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.

Yes.

The institute runs the courses of science faculty only. The student admissions to B.Sc. Courses are required to have scientific attitude and temper. The students are assessed first on the basis of their marks obtained in the qualifying examination.

After completion of first unit of every subject text examination are conducted. On the basis of their performance slow learners and advanced learners are identifying. Further, within the month the student with poor attendance are also identified.

The advance learners are motivated by displaying the names of toppers on the notice board and by giving extra facilities like number of books from the library. They are further motivated by giving some responsibilities like class representative, in charge of student association and by sending them to attend seminars and workshop to acquire the advanced knowledge.

The slow learners are counseled by subject teacher, teacher counselor. The remedial courses are run for those students to couple up them with the space of teaching learning process with other students. The attention is given on the students with poor attendance. Their parents are called and the students are advised to engage the classes regularly. The effect of poor attendance like getting less internal marks, disallowing scholarship academic loss and finally detention from the University examination are clearly conveyed to the students in presence of their parents.

The topper students are awarded by giving them number of prizes and

extra book facility. Merit scholarship is available for excellent performance in the subject Physics and Mathematics.

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

Most of the student admitted to B.Sc. I are either from rural area or from educationally backward urban area. The student from rural area are lacking with the basic knowledge of subject. The students from Muslim community have difficulties in understanding the subject in English medium as they learn (10+2) in Urdu medium. Senior teacher spent some initial period on basic idea of the subject. The students from other language medium like Urdu or Hindi are given some extra assignment like reading English news paper. The remedial courses are run for such learners or the learners came from rural based or Urdu medium.

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

The institution having mission of empowering personalities and development of responsible members of the society with the goals to develop scientific approach, humanism, spirit of enquiry and reform in the youth of society. The Institution provides co-education giving equal opportunity to male and female. The programme “**Jagar Janivancha**” for equality in men and women is conducted since last two year promoting the students to think over equality in gender. The students from almost all community like Hindu, Muslim, Buddha, Jain etc are admitted to the college. Further they are from all type of economical status including farm labors, industrial labors, small scale businessman to landlord and rich families. They are all given equal

opportunity to take part in curricular, extracurricular, co-curricular, cultural and extension activities. Some festival for National Integration to participate all types of students. Some of the programme are celebration of Independence day, Republic Day, Ganesh Festival, DahiHandi etc. In those festival various programme like Anand Mela, Science Exhibition, Dances on national songs are arranged in which students from all cast, creeds and religion take parts as a student of Vidnyan Mahavidyalaya. To aware the importance of environment national programme like tree plantation are adopted. Student and staff takes part actively in arranging rally's and camp like cleanliness. The tours are arranged at some natural places. So the student can go near the nature to know further about various natural phenomenon, natural resources, flora and fauna.

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

Advance learners are identified by the course teachers and they are motivated and to participated in intercollegiate and University level seminar competition. Outcome of this was two student of this institution secured first position at University level Seminar competition.

The topper students are awarded by giving them number of prizes and extra book facilities. The advanced learners are motivated by displaying the names of topper on the notice board and by giving extra facilities like number of extra books from the library. They are further motivated by giving some responsibilities like class representatives, in-charge of student association etc.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the

disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

The course teacher and teacher counselor maintained record of student academic progress to monitor their overall performance. The list of poor performance is forwarded to class counselor and to the principal (in case very poor performance). The parents of such poor performers are called and academic performance is informed to the parents. The poor performers are warned for their poor performance and they are motivated to improve their performance. They are given special care and coaching through the remedial classes.

The economically weaker students are identified and the extra financial heads are given to them by staff of the institution. The scheme **“Staff’s Poor Student Welfare Fund”** was started from 2013-14. Out of which 15 students were benefited. It helps the students not to leave the studies for very small reason like bus fare, books, cloths etc.

One of the reasons for drop out is the marriage of girls students during course of studies. The girls students and their parents are advised to continue their studies. The comprehensive analysis of semester wise University examination is carried out.

The results are compared with the average result of University. The results are discussed in the staff and governing body combined meeting. The teaching staff with 100% result are appreciated by giving them letter of appreciation. In case of low result relevant remedial measures are taken to rectify it.

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 planning and organizing of the teaching, learning and evaluation schedule is done by the principal and Head of the departments and staff through various committees.

Yearly Planner and Academic Calendar : It includes working days, effective teaching days, holidays, vacation and other activities schedule. It is prepared by the committee comprises of the Principal one Sr. Teacher and Head Clerk of the college.

The yearly planner and academic calendar are distributed to the each department at the beginning of the session.

Course Plan: On the basis of students strain the workload is calculated and distributed amongst staff of the concern subject. If vacancies of staff arises, planning is done to recruit regular or ad-hoc faculty.

The course content is discussed in each department and course wise/subject wise workload of theory; practical, tutorial etc is distributed.

Time Table: After distribution of workload time table is prepared by the committee including a senior faculty member as an in-charge / and all HOD's. It is distributed to each department displayed on notice board and conveyed to the students.

Curriculum Information: The syllabus content of the subject is made available to the students by staff concern. The schedule of the course to be taught and evaluation including assignment, class test, projects, seminar is given to the students.

Teaching Plan: In consultation with HOD's staff member prepared the teaching plan for the session. It includes expected dates and actual dates to cover the allotted topic. It is verified by HOD and the principal time to time.

Remedial Coaching : In the very first staff meeting planning is done regarding remedial coaching for economical, socially and academically poor students.

Attendance: The information regarding mandatory attendance is published in the prospectus and conveyed to every student very clearly at the time of admission. The undertakings are taken from the student mentioning that they will attend at least 75% lectures delivered in each subject and if they fall short will not qualify for any concession and examination.

Every month's attendance is collected at each department and displayed on departmental notice board. It is also collected by teacher guardian. The students falling short in attendance are counseled by teacher guardian. For continuous absenteeism in the classes, the students are asked to call their parents and students are warned to make up the short attendance. At the end of the session the staff counselor finalizes detention of those short-listed students.

Evaluation policy: In an evaluation scheme 20% marks are marked for continuous internal assessment for each subject. The schedule of assignment, plans, test, projects, seminar etc. is fixed well in advance and communicated to the students at the beginning of the semester.

The final examinations are conducted by the affiliating University. The schedule of the examination is prepared and communicated through websites by the University well in advance.

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

IQAC improves the teaching learning process by

- i. Motivating faculty members periodically to attend programmes on new and emerging science.
- ii. Ensuring access to internet and all the ICT instruments available at the college level.
- iii. Organizing education tours to make teaching more effective.

- iv. Feedback on teacher is obtained to assure the quality of teaching learning.
- v. Motivating staff to pursue the research work and to receive grant from the various agencies like UGC
- vi. Motivating staff to attend workshop, seminar, conferences, refresher, orientation and short-term courses.

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?

To make the teaching and learning process more students centric, following support structure and system are available.

Tutorial class: For some subject like Mathematic, Physics and English class rooms are available for tutorial classes. The 16 to 18 students are allotted in each tutorial batch which develops interactive learning

Practical Viva: In the practical performance viva-voce of the students individually or in the group of three to four students is conducted to develop skill among the students.

Group discussion: Groups on a allotted curricular are conducted amongst 5 to 8 students to develop initiativeness self and independent learning amongst the students.

Personal Guidance: In free hours students are allowed to interact with the teachers to solve their subject difficulties and doubts.

Excursion and Industrial Visit: Excursion and Industrial visit are arranged in each semester to develop collaborative and interactive learning.

Association: Departmental association are formed at the beginning of the session, Exclusive body including advance learner arranges various teaching learning supporting activities.

Other Activities: Projects on topic included in the curriculum are allotted to each student individually. Various competitions like debate, quiz, poster, exhibition, and seminar are organized under the supervision of concern subject teacher.

Field Work / Survey: Field work and survey based is made study compulsory to B.Sc. II life science students to interact with the surrounding environment to analyze the most thrust probable in the current scenarios.

Other Systems: The students are motivated to participate in workshop, seminar, and conferences at various levels.

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 promotes creativity amongst students by encouraging them to publish material in the college magazine named “ZEP”. Creative endorse like articles, stories and poems find a place of prominence in the magazines. It also involves the students to work as editor in various language sections of the Magazines.

Various associations are functioning in the college. There associations aim to tapping, nurtury and promoting the creative energy that bubbles out of every individual students.

The various co-curricular and extracurricular events like quiz, poster making, debate, cultural, are arranged to help the student in refining and rerefining their personality.

In addition to their college takes special efforts to install and nurture creativity and scientific temper among the learner by providing following opportunities.

- Academic Project

- Field Work
- Seminars
- Powerpoint Presentation
- Creative assignment
- Participation in academic activities at various level
- Essay competition on critical issue like gender equality, AIDS, Environmental problems.

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

In addition to lecture method technological aids are introduced to assure and enhance the academic quality.

- Audio-visual aids
- Interactive system
- Advanced instruments
- Computer aided learning (Internet Powerpoint Presentation)
- Movies based on syllabus
- Multimedia learning material
- ICD/Computer system
- OHP presentation
- E-learning
- Teaching Model and charts

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

The students and faculty exposed to advanced level of knowledge and skills through

- Group discussion and seminar for students and staff
- Educational trip for firsthand knowledge to students. Visits to natural ecosystem and industries are regular features.
- Organizing lectures by expert in their respective field to share knowledge with students and staff
- Organizing soft skill training for students and staff.
- Providing ICT facility to students and staff
- Organizing workshop for students
- Viva-Voce for the students is conducted by subject experts
- Motivation to students and staff to participated in workshop, seminar, conferences and short term courses conducted by other institution.

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

1. **Personal and psycho-social support:** All the students are monitor by staff members through TGS throughout the session.

The batches of 15 to 18 students are allotted to a teacher. The psycho-social problems also solved at teacher guardian level. Student teacher relationship in the college is very sound. 342 Students were benefited during academic session 2013-14.

The personal problems even in the financial matter are also entertained by the staff. Seed money from the staff members is given to very poor students to fulfill their essential academic needs.

2. **Personal Counseling:** Career counseling cell conduct various programmes like expert lecturer, soft skill training, personality development programmes, preparation of competitive exam. The cell also arranges campus recruitment programmes for B.Sc. III and M.Sc. II year students. 96 Students were benefited during the session 201-14. Foundation courses were run for MPSC/UPSC exams and 38 were benefitted of this programme.
3. **Academic advice:** The students are advised by the senior teacher to choose and pursue the higher education like M.Sc., M.C.A and M.B.A. The students are advised and guided for the participation in intercollegiate competitive programmes. Outcome of this was the student Ku. Monika Talereja of B.Sc. III and Ku. Priyanka Kharche of B.Sc. II stood first at University level seminar competition.
4. **Remedial coaching classes:** The remedial coaching classes are conducted for the academically backward students from SC, ST, OBC, Minorities and EBC categories funded by UGC. 947 Students are benefited under this scheme during last four years.

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?

Innovative teaching methods have been adopted by the faculty to boost the capacity to learn and to teach meaningful and animated application of

knowledge to the science students of 21st century.

- Semester pattern for the B.Sc. students is incorporated from the session 2010-11. The skill of time bound coverage of syllabus is adopted by the faculty members.
- During the last four years the curriculum almost all subjects is changed. The advance and applied topics supplemented by practical are included in the curriculum of B.Sc. and M.Sc. courses.

The faculty members adopted use of advance equipments and teaching and learning aids in the teaching learning process. As per new syllabus new experiment are setup by the faculty members.

- During last four years advance instruments and teaching aids costing about 20,00000/- were purchased by the college to support the innovative teaching approach. The impact of such practices is the students are more acquainted with the advance knowledge.

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

The college has centralized library. The library caller to the need of teachers and students by providing access to books and journals. The three books are issued to UG students and four books to PG students. The total 3362 no. of books, 65 encyclopedia, 34 audio-visual material and journals and 7 periodicals and journals are purchased till date. For quick and systematic service the library system is atomized with library automation software.

Additional books are provided to the advance learner on the basis of their performance in the class test. During vacation the books are issued to

every student by depositing cost of the books.

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.

Yes.

A) Challenges :

- a) As per the feeding of the college is basically from the students of academically weaker section and students with Urdu as medium of learning they cannot cope with the pace of the syllabus coverage and depth of curriculum.
- b) AS the students comes from rural and uneducated surrounding it is challenge to motivate such students to face actual needs of higher education.
- c) Due to adoption of semester pattern and late admission due to late result, the available number of effective working days in a odd semester are insufficient to completer syllabus in stipulated period that is 90 days.

B) Institutional approach to overcome these challenges

- a) At the beginning of the session scope of the syllabus, examination skill and examination pattern is illustrated to the students.
- b) To overcome the challenges of academically weaker and educationally backward surrounding, the students are motivated for independent learning for enhancing reading habits for setting clear cut goal.

Foundation courses are arranged by each teacher to clear the

basic ideas of the subject.

Remedial coaching classes are arranged for the academically weaker students.

- c) To overcome the challenge of insufficient available effective teaching days in odd semester, the classes are started prior to declaration of University results by giving provisional admission to the students.

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

The challenges has inbuilt mechanism to monitor and evaluate the quality of teaching learning

- Yearly planner and academic calendar is prepared and distributed to each department well in advance. It is ensure to make effective teaching days more than 180 days during the session.
- The teaching plans are prepared and syllabus coverage is check by HOD and Principal.
- Academic diary is maintained by the teachers and verified by head of the department and the principal.
- According to the staff justification by University and joint director of higher education office the staffs are recruited.
- The class test conducted and assignment given to the students according to scheduled plan described at the beginning of the session.
- The budget is prepared well in advance to purchase the required laboratory material at the beginning of the session.
- The meetings of HOD's and staffs are conducted regularly to

review. The syllabus coverage in each month.

- The teaching aids and advance instruments are maintained properly and are updated time to time.

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

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.		--	--	---	--	--	--
Ph.D.	01	--	--	--	03	--	04
M.Phil	--	--	--	--	03	--	03
PG	--	--	--	--	04	02	06
Total	01	--	--	--	10	02	13
Temporary teachers							
Ph.D.	--	--	--	---	--	--	--
M.Phil.	--	--	--	---	01	01	02
PG	--	--	--	--	04	10	14
Total	--	--	--	--	05	11	16

All the teaching positions are filled as per the norms laid down by Sant Gadge Baba Amravati, University Amravati and State Government of Maharashtra.

The draft of advertisement is first approved from the affiliated University. Advertisements is given in leading news papers including one news paper of state level and are local news paper. Eligible candidates are shortlisted on the basis of UGC guidelines and invited for personal interview. The selection committee is constituted as per the norms which includes chairman of the society, head of the institution, HOD, Government nominee, VC nominee and two subject experts nominated by the University.

Highly equipped and meritorious candidates with good research potential as appointed to give boost research activities.

If the eligible and suitable candidates are not available the appointments of teachers on Ad-hoc and clock hour basis are made. To appoint teacher on ad-hoc basis, advertise is given in leading newspapers and qualified candidates are appointed by the local selection committee including principal, HOD and expert teachers.

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 college has the required number of qualified and competitive teacher to handle all subjects. For computer science course, M.Sc. (chemistry) and DMLT course, temporary teachers are employed.

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		
	2011-12	2012-13	2013-14
Refresher courses	02	02	--
HRD programmes	--	--	--
Orientation programmes	--	--	--
Staff training conducted by the University	--	--	--
Staff training conducted by other	--	--	--
Summer / winter schools, workshops, etc.	11	02	04

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

Faculty Training programmes during 2010-11 to 2013-14.

1. Training for teachers to use ICT methods was organized in 2012-13.
2. To improve English language skill, two training programmes were arranged
3. Three days soft skill training was arranged for the staff
4. Demonstration of smart class room for the use interactive teaching learning aid was organized by reputed external agency.

d) Percentage of faculty

	2010-11	2011-12	2012-13	2013-14
Resource Person	--	--	01	--
Participation	01	09	19	12
Paper Presentation	02	06	11	08

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions

and specialized programmes industrial engagement etc.)

The college management strives to promote professional development of faculty by

- ✓ Encouraging the faculty to attend orientation, refresher and short term courses
- ✓ Encouraging the faculty by providing financial assistant to present paper at various level.
- ✓ Granting study leave to the faculty for pursuing M.Phil. and Ph.D. research work.
- ✓ Granting leaves for attending seminars, workshops and other training programmes
- ✓ Encouraging faculty for the research by providing facility and guidance to apply for the research project funds
- ✓ Staff members are encouraged to visit the industries.

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.

Mr. V.S. Deole, Director of Physical Education has participated in various lawn tennis open tournaments. Award receiving tournaments are mentioned below

S. No.	Event	Venue	Duration	Prize
1	Reforms Club Amravati ranking tournament MSLTA	Amravati	28-29 Dec. 2012	2 nd

2	Gondwana Club MSLTA ranking lawn tennis tournament	Nagpur	10-20 Jan 2013	2 nd
3	Reforms Club Amravati ranking tournament Single	Amravati	25-26 Jan 2014	2 nd

On receiving award or recognition staff members are felicitated in the annual social meet by offering shawal and momentum at the hands of Management Members.

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

The teacher performance is evaluated by the students. The students feedback is analysed by the teacher concern and discussed with the head of the institution.

By staff, HOD and the Principal the teacher performance is evaluated at the end of each session considering their performance in teaching, research and extension.

2.5 Evaluation Process and Reforms

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

As when there is change in the policy of evaluation process, it is published in the University Gazette and in the case prospects. The copy of this gazette is made available to every staff.

At the beginning of each semester staff concern explains the details of evaluation process to the students.

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?

In the yearly pattern the weightage to University examination was 80% to theory examination and 20% to practical examination with no weightage to the internal assessment.

From the session 2010-11 University has change the annual pattern to semester pattern by giving 66.6% weightage to theory and 33.3% weightage to practical examination. Further in the theory examination 20% weightage is given to internal assessment and 80% weightage to University examination.

The college has adopted evaluation process. According to the process, internal marks are allotted to the students by assignment, one class test and one academic activity like seminar, group discussion, study tour, industrial visit, to educational institutional research organization, field work etc.

The college has adopted to conduct three class test per semester. The numbers of assignment are also increased to three.

Apart from mandatory, academic activity, other activities are also performed by the students.

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?

Subject teachers declare the schedule of assignments, academic activities and class tests at the beginning of the semester. After conduction of class tests marks are declared and answer sheets are return to the students to know their performance. The marks of assignment, academic activity and class tests are displayed on the notice board. Consolidated mark sheet o internal assessment is prepared by the subject teacher and is verified by the

head of the department followed by the principal.

A copy of consolidated mark sheet of internal assessment is displayed on the notice board prior to three week of examination. If any queries are received from the student the list is corrected by the HOD and approved by the Principal. The corrected copy is submitted to the University before commencement of the theory examination.

Incentative marks are given to the students for their participation in the extracurricular activities like NSS, blood donation, university level competition like youth festival, sports and award winning presentation etc.

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

For the formative assessment the class tests are conducted after completion of each unit. The topics are declared prior to one week before the class tests. The students are evaluated on the basis of their performance in the class tests as advance learner securing more than 80% marks, average learners securing 50-80% marks and poor learners securing less than 50% marks.

Advance learner are given some responsibility, average learner are motivated to secure more than 80% in the next class test and remedial coaching classes are conducted for the poor learners.

All the above preparations is very much helpful to the students for their preparation for summative examination. The impact of continuous evaluation is that the University results are enhanced and dropout ratio is declined during last four years.

2.5.5 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 (weightage for behavioral aspects, independent learning, communication skills etc.

University had allotted 20% marks for internal assessment. For B.Sc. I 40% weightage is given to the home assignment and 60% weightage to the class test. For B.Sc. II and B.Sc. III year 20% weightage for project assignment and 30% an activity based report and 50% on class test.

The passing percentage for B.Sc. I is 35% and for B.Sc. II and B.Sc. III it is 40%.

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

The goal of the institution includes to develop scientific approach, humanism , spirit of enquiry and reform in the graduate students of this college. Further the students must acquired basic skills so as to become independent member of the society.

To attend this graduates tributes college provides platform for the development of physical, mental and moral strains through sports, extension and curricular activities.

The bachelor of science programme provide them knowledge, skill and ability to utilize the acquired knowledge to solve the problems of the society.

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

The class test marks are declared immediately after conduction and valuation of class test. The consolidated mark sheet is displayed on the notice board prior to three weeks of the examination. If student has any grievance, he or she can approach to the concern teacher. If there is any

mistake in allotting marks, the correction is made by the concern teacher and is informed to the HOD and Principal. If the grievance is not solve at teacher level, student can approach to the HOD or Principal. After verifying record HOD or Principal can ask the concern teacher to change the internal marks.

If internal marks are not appear in the mark sheet or the marks are changed as compare to the marks displayed on notice board, student can approach to the University through the principal.

Assistant Registrar of tabulation section of University asks the principal to send the concern teacher along with authentic document of the internal assessment. After verification and satisfactory explanation the corrected marks are allotted to the students.

The grievance of the 03 students has been redressed by University during last four years.

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?

The learning outcomes are clearly maintained in the mission statement and goal of the college. This statement is published in the prospectus of the college every year.

- It is displayed prominently on the college website.
- To have more impact of goals on the students and staff. The statement is displayed in college premises.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years)

and explain the differences if any and patterns of achievement across the programmes/courses offered.

The college has inbuilt mechanism to monitor and communicate progress and performance of students.

- At the time of admission the students are very clearly informed about attending the classes regularly. It is also mention in the prospects.
- The monthly attendance record is displayed on notice board.
- The test marks are communicated to the students and valued answer sheet are also return to the students. Discussion are made with the student by the concern teacher on the valued answer sheet to improve the performance in the next test and in the University examination.
- The progress card maintaining monthly attendance, test marks and performance in other activities is prepared by teacher guardian and if necessary it is communicated to the students in the weekly informal meeting.
- The students with short attendance are counsel by the teacher guardian even after counseling by teacher guardian. The student continuously appeared in the short list he or she is counsel by the principal and the concerning teacher guardian progress is communicated to the parents.

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

In the teaching learning process the college gives emphasis on the knowledge oriented method.

- The teaching learning process is made more interactive and to ensure the development of interest in the subject and crucity attributes, the teaching learning process is supplemented by excursion, projects,

science exhibition etc.

- To achieve the various mission and goals, various activities are arranged.
 - a) In academic activities like seminar competition, science quiz, science projects, excursion, industrial visit, science exhibition, science poster, science articles in the magazine are arranged.
 - b) In sports a sport day is celebrated apart from this sport activities are conducted throughout year. Students are motivated to participate in intercollegiate inter University and national level competition.
 - c) In extension activities, residential camp, awareness camps, rallies, cultural activities gender quality programmes, street plays, blood donation camp etc.

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

The courses offered by the college are B.Sc. and M.Sc., which are self innovative and research attitude developing courses. The career guidance cell arranges various programmes like personality development skill, preparation of competitive exam, group discussion and personal interview. It also guide the student for the placement, campus interview are also arranged for the B.Sc. and M.Sc. final students.

To develop research attitude among the students research project are allotted to B.Sc. II, III and M.Sc. final students.

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and

overcoming barriers of learning?

The data of student performance collected subject wise in the department and year wise teacher guardian. The attendance record is maintained by individual teacher. The data of student performance is analyzed by the teacher guardian and even after counseling by the Teacher Guardian and Principal, if the student is unable to perform satisfactorily the data is discussed in the staff council meeting and recommendation is made for detention of the student from University examination. On this basis 2007-08 the 6 students and in 2008-09 the 5 students are detained. The effect of this detention was that from the session 2009-10, the percentage of short attendance students and all declines significantly.

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

The University result is analysed in different ways. Semester wise, subject wise and paper wise result is analyzed in the departmental and staff meeting. It also discussed in the Governing body meeting and measures like warning letter to the teacher with poor result in their subject, appreciation letter to the teacher with excellent result in their subject. Improvements in the strategies on teaching learning process, recruitment of staff are taken. To overcome the difficulties of learning.

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

The institution and individual teacher uses assessment outcome for giving internal assessment marks. Further to achieve the learning objective and planning the students are categorized as advance learner, average learner

and poor learner.

Advance learners are given special coaching for the excellence. Average student are motivated to achieve the required outcome. Poor learner are accelerated by conduction extra class and remedial coaching classes.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

Yes.

The institution have recognized research laboratory of chemistry with the capacity of 8 students recognized by Sant Gadgebaba Amravati University, Amravati . The institution has applied to Sant Gadgebaba Amravati University, Amravati to recognize its Zoology laboratory for research work.

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.

The research committee comprises of some faculty members who are active in the research activity is given below :

S.No.	Name	Designation
1	Prof. Sau. V.N. Saoji	Chairman
2	Prof. Dr. C.M. Bharambe	Member
3	Prof. Dr. Y.P. Patil	Member
4	Prof. Dr. R.T. Parihar	Member

The recommendation made by the committee like promotion to research project and allocation of some amount in the budget were implemented.

The impact of those recommendation is 3 MRP funded by UGC are

completed and applied for 1 MRP Rs. 2.5 lakh are allocated in the budget of 2014-15 for the research activity.

The main objective of research committee members is to strengthen research culture.

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

- ❖ **autonomy to the principal investigator**
- ❖ **timely availability or release of resources**
- ❖ **adequate infrastructure and human resources**
- ❖ **time-off, reduced teaching load, special leave etc. to teachers**
- ❖ **support in terms of technology and information needs**
- ❖ **facilitate timely auditing and submission of utilization certificate to the funding authorities**
- ❖ **any other**

The college management and Principal encourage the faculty members to pursue Ph.D. programmes on part time basis. To facilitate smooth progress and implementation of research projects, the measures taken by the institution are

- Full autonomy is given to the Principal investigator for their purchase and expenditure.
- The resources are made available as and when the principal investigator demands.
- The laboratory equipments, other facilities like water supply , electricity heating mantles, gas burners, instruments along with human resources including assistance in the laboratory, official support etc are provided.
- The researchers are permitted to work in the free time as well as in

the extra time other than college working. Study leaves are given to the investigator or his assistant for the field work including collection of samples and purchase of equipments.

- Free of cost internet facility is provided to the investigators.
- Advance instrument facility is provided to research investigator.
- Up till now 3 minor research projects funded by UGC are completed.
- Utilization certificate of all 3 MRP were submitted in time.
- The facility of auditing statement of income and expenditure was audited by the college auditor immediately after completion of each MRP. No objection certificates are also obtained for all MRP.

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

Research project is a mandatory part of curriculum of the M.Sc. II student to develop scientific temper among the students; projects are assigned to each student of B.Sc. II and B.Sc. III year. Students are encouraged to participate in various conferences and seminar to gain knowledge in latest development. The activities like seminar, science exhibition and science quiz are organized to develop scientific temper and aptitude among the students. Students are encouraged to do short term research projects so that they can pursue career in research. Miss. Kiran Rathi and Payal Malpani of B.Sc. II have completed summer training programme working on a project entitled “**Discovering Novel Therapies for Neglected Tropical Diseases**” at CSIR-National Chemical Laboratory OSDD outreach centre, Pune during May-July 2012. The aptitude tests are conducted for the B.Sc. III student every year.

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.

Dr. B.B. Wankhade (Principal, Department of Chemistry), Dr. C.M. Bharambe (Department of Zoology) and Dr. R. T. Parihar (Department of Chemistry) are recognized research guides for Ph.D research work.

Four faculty members have Ph.D. as their highest qualification and three have M.Phil as highest qualification. Prof. S.K. Karande (Department of Physics) has submitted the Ph.D. thesis. Three other staff members are registered for the Ph.D. research work. In all, eight faculty members are involved in active research work.

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

In collaboration with Amravati University Chemistry Teacher Association University level seminar competition was organized for M.Sc. I students in 2013-14.

Science exhibition is organized every year. Student under the guidance of staff members prepare science models and posters. The best performers are awarded by giving prizes.

Seminar competitions are arranged for students. Industrial visit are organized to develop research ability in the student.

The excursion tours are also arranged to visit nearby natural ecosystem like Nalganga, Dnyanganga, Manudevi, Hatnur, Purna etc.

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

Priority research area and expertise area with the institution are

Bioremediation :	1. Removal of pollutant from different ecosystem. 2. Rhizofiltration to remove heavy metal ion from the water
Biodiversity :	Diversity of animal in the ecosystem.
Limnology :	Biological status of aquatic ecosystem in relation to animal life.
Organic Synthesis:	Heterocyclic compounds and study of their biological activities.
Toxicology :	Effect of chemical on animal life.
Botany :	Impact of flays on growth of plants.
Water Analysis:	Hardness, alkalinity, pH, TDS, Heavy metal determinant
Soil Testing:	N,P,K, and carbon determination

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

Eminent researchers are invited to interact with teacher and students.

The few experts are

- Prof. Dr. Shukla, Rajasthan University, Rajasthan,
- Prof. Dr. Jamode, Ex.VC Sant Gadegebaba Amravati University, Amravati
- Prof. Dr. Paliwal Department of chemistry , Institute of science and humanities, Nagpur
- Prof. Dr. Berad, 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?

The college encourage the staff for research study leaves are given. As the college is included in the 2(f) and 12(B) list of UGC, there is a provision of leave on pay for 2 to 3 years under faculty improvement programme.

To participate and present the research paper at various level in the workshop, seminar, conferences etc, the duty leave is given to the faculty member.

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)

The finding of research are communicated to students and communities by various means like publication of research paper, presentation in the conferences, keeping record in the library, communicating directly to beneficiaries of the society and to the concern authority. For example

- Need base research finding on analysis of water, Bat guano and food grains were properly communicated.
- Water from all areas of Malkapur town was analyzed to check the potability of water. The resources which are not suitable for drinking purposes ere communicated to the concern authority.
- Water from kidney affected saline track in the Jalgaon Jamod tahsil was analyzed for determination of heavy metal ions. The findings were communicated to the local MLA to take proper action.
- Bat guano was analyzed for its NPK contents. The finding were published in the journal and also communicated to local agricultural

field for application.

- Food grains and water was analyzed for its fluoride content. The finding were published in the journal and the report was submitted to SDM, Malkapur
- Other findings are published in the journal and presented in the conferences.
- Finding as a project report are placed in the library for reference.
- Finding in research projects are also communicated to the funding agencies like UGC.

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.

In the budget, Rs. 2.5 lakh is earmarked for research activities. Apart from the earmarked some amount is expended on the purchase of chemicals, glasswares and instruments. These instruments are also used for the project and research work. Such expenses cost about 1.5% of the total budget. There is a provision for purchase of books and journal in the library.

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?

Yes.

The amount of Rs.11,922/- was disbursed as registration fee to present paper in the conferences. 53% of regular teacher avail the facility.

Seed Money to Faculty for presenting papers

2009-10

Sr.No.	Name	Fee	Rs.
01.	Dr. C. M. Bharambe	Seminar	1000/-
02.	Sau. J. S. Kulkarni	Conference	300/-
03.	Prof. S. K. Karande	Workshop	1000/-
04.	Prof. S. K. Karande	Conference	1000/-
05.	Prof. G. H. Kurhade	Conference	500/-
06.	Prof. S. V. Borle	Conference	300/-
07.	Dr. Y. P. Patil	Conference	300/-
08.	Sau. J. S. Kulkarni	Conference	300/-
09.	Prof. S. V. Borle	Conference	400/-
10.	Dr. Y. P. Patil	Conference	400/-
11.	Sau. J. S. Kulkarni	Conference	200/-
12.	Prof. S. K. Karande	Conference	300/-
13.	Dr. R. T. Parihar	Conference	500/-
14.	Dr. C. M. Bharambe	Registration Fee	3000/-

2010-11

Sr.No.	Name	Fee	Rs.
01.	Dr. C. M. Bharambe	Registration Fee	1000/-

2011-12

Sr.No.	Name	Fee	Rs.
01.	Dr. R. T. Parihar	Conference	1300/-
02.	Shri. M. K. Sadawarte	Conference	822/-
03.	Shri. U. V. Shinde	Conference	822/-
04.	Shri. S. E. Warkhede	Conference	1500/-

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

The research projects are compulsory for M.Sc. II (Chemistry) students as a part of their curriculum. The projects are assigning well in advance and the required chemicals and other material are made available to the students at the beginning IVth semester.

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

Dr. C.M. Bharambe of Zoology department have undertaken the work on Limnology and Physicochemical analysis, fluoride toxicity in water and food grains and Impact of batguano on the growth of plants with reference to NPK content. He has presented papers in the National conferences and published in the proceedings and reputed Journals on this inter-disciplinary work.

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

The time table is prepared in such a way that students are uniformly distributed in various laboratories. The laboratories are constructed as per the UGC norms. The students perform the experiment under the supervision concern teacher and if necessary sophisticated instrument are used by the student in the group of 3 to 4 students. It is ensure that the equipments and research facilities are used properly and on its optimum level. If necessary equipments of other departments are also used. For example laminar air flow, incubator, centrifuge, autoclave and oven of Botany department are used by Zoology and Chemistry students. Thermostat of physics department is used by chemistry students. LCD and field camera of Zoology department are used by Botany students. Computers of computer department are used by staff and students of other departments. Spectrophotometer, electronic balance, distilisation unit, vacuum pump, calorimeter and digital pH meter of Chemistry department are used by the staff and student of other department.

- Periodic updating and up gradation of scientific equipments is made.
- Need based repairs and maintenance of equipments is carried by technical staff appointed by college or by Concern Company.

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.

Yes.

Three staff members of this institute received grants for research work from UGC. It is being utilized to purchase equipments books and other material. The details are as follows

S.No.	Name	Amount (Rs.)	Year
1	Dr. B.B. Wankhade	50000	2008-2010
2	Prof. S. K. Karande	62500	2008-2010
3	Dr. Y. P. Patil	85000	2011-12

Special grants from UGC was received to purchase power generator costing about Rs. 3,00,000/-

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

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total Grant		Total grant received till date
				Sanctioned	Received	
Minor projects	2008 to 2010	Synthesis and structural characterization of some new flavor one selenium compounds	UGC	85000/-	50000/-	50000/-
	2008 to 2010	Synthesis of photovoltaic material thin film	UGC	85000/-	62500/-	62500/-
	2011 to 2012	Effect flyash in growth geocemindation and yield of glycine max	UGC	130000/-	85000/-	85000/-
		Bioindicator of autoexhaust pollution on national highway no. 6	UGC	Proposal submitted		

3.3 Research Facilities

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

The following major facilities are available in the college to facilitated research.

- Internet connectivity in network resource centre and computer laboratory.
- Laptop/Desktop computer to each department
- Central library with useful reference books and journals
- Advanced instrument like spectrophotometer. Laminar air flow, deep freezer, binocular, microscope, field camera, centrifuge, fume hood.

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

The college has constructed the well equipped laboratories as per the norms of UGC. Special provision is made for research work in the Chemistry laboratory. In the prospective plan, it is planned to construct research laboratory for Zoology and interdisciplinary research work.

The equipments are periodically upgraded as per the need.

3.3.3Has 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.

Special grants from the UGC are received to develop research facility. The facilities / instruments created during last four year are :

- Power generator

- Internet Access
- Computer and Laptop
- Reference books and Journals
- Spectrophotometer
- Laminar air flow
- Auto clave
- Centrifuge machine
- CRO
- Film developer
- Binocular microscope
- Incubator
- Field camera
- Deep freezer
- Electronic balance
- Digital pH meter
- Water analysis kit
- Refrigerator
- Fume hood
- Oven
- Microtome
- Flame Photometer
- Electrophoreses

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

In the affiliating university there is facility for the staff and students of affiliated colleges to utilize the research facility of advance instruments like AAS, NMR and FTIR spectra. University also provide its well

equipped central library facilities for the staff and students of its affiliated colleges.

FTIR and NMR facilities are also available at Shri Shivaji College, Akola. The students and staff has also utilize the facility of AAS for the detection of heavy metal ions at local Chaitanya Chemical Pvt. Ltd., Malkapur. The facility to study the biological activities of organic compound is available at pharmacy college Malkapur.

A national chemical laboratory Pune has given opportunity to use their instruments and lab to our 2 students for their research project.

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

The institution provides library and high speed broad band connection. The college helps researcher to acquire assistant from other institution.

The college has established network resource centre for staff and students.

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.

The collaborative research facilities developed/created by the research institutes in the college are

- Laboratories: Well equipped laboratories are established for Chemistry, Physics, Botany, Zoology and Computer Science.
- Library facilities are improved by adding books on current curriculum
- Advanced instruments like spectrophotometer, fume hood, laminar air flow, oven, incubator etc are the assets of the

college.

- Power generator is available in the campus
- 29 Computers and 2 Laptops with advance configuration are available for the collaborative research work
- Internet facility with high speed is available for accessing the information.
- The LCD, podium system and interactive board system is also available to elaborate the knowledge.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- ☐ **Patents obtained and filed (process and product)**
- ☐ **Original research contributing to product improvement**
- ☐ **Research studies or surveys benefiting the community or improving the services**
- ☐ **Research inputs contributing to new initiatives and social development**

- **Original research contribution :**

- ✓ In the Chemistry department research work is pursued on synthesis of biologically active Isoxazolines, Pyrazylones, Thiazines and Flavanones
- ✓ In the Physics department the research work is pursued on synthesis of photovoltaic thin film.
- ✓ In Zoology department the research work is going on the analysis of animal product for multiuse, formulation of new fertilizer and mosquito repellent , larvicidal product, the plant germination and growth enhancer etc.

- **Research studies beneficial to community :**

- ✓ The synthesized heterocyclic compound are studied for their antibacterial, antifungal, antidepressant, antioxidant, antimalarial and anticancer activities and are highly beneficial to the community.
- ✓ The synthesized photovoltaic thin film with high refractive index with minimized the cost of material highly beneficial to film industry.
- ✓ Formulation of new bio-compost and chemical fertilizers are very much beneficial to the agriculture field to reduce production cost and increase the yield.
- ✓ Identified microbes has immense importance in the removal of hazardous substances from the different ecosystem which is highly beneficial to the community.
- ✓ Formulated products are studied for larvicidal, repellent, nematocidal, fungicidal and growth enhancer activities are very much beneficial to the community.
- ✓ Water analysis for drinking, agricultural and industrial purpose is need base research work. Removal of heavy metals by advance biological technique is the community benefiting research work.
- ✓ Soil testing and crop pattern is beneficial research work for the farmers.

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?

- Nil

3.4.3 Give details of publications by the faculty and students:

- ☐ **Publication per faculty**
- ☐ **Number of papers published by faculty and students in peer reviewed journals (national / international)**
- ☐ **Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**
- ☐ **Monographs**
- ☐ **Chapter in Books**
- ☐ **Books Edited**
- ☐ **Books with ISBN/ISSN numbers with details of publishers**
- ☐ **Citation Index**
- ☐ **SNIP**
- ☐ **SJR**
- ☐ **Impact factor**
- ☐ **h-index**

YEAR- 2010-2011

Sr. No.	Name	Paper Published in Journals			Paper Presented in Conference			Participation in Conference			Participation in Seminar			Workshop	Refresher	Total
		International	National	State Level	International	National	State Level	International	National	State Level	International	National	State Level			
1	Dr. B. B. Wankhade	1														1
2	Sau. V. N. Saoji	1														1
3	Shri. S. V. Borle	1													1	2
4	Shri. C. M. Bharambe	3			1	1						1		1	1	8
5	Shri. G. H. Kurhade	1														1
6	Shri. R. T. Parihar														1	1
7	Dr. Y. P. Patil	2													1	3
	TOTAL:-	9			1	1						1		1	4	17

YEAR- 2011-2012

Sr. No.	Name	Paper Published in Journals			Paper Presented in Conference			Participation in Conference			Participation in Seminar			Workshop	Refresher	Total
		International	National	State Level	International	National	State Level	International	National	State Level	International	National	State Level			
1	Dr. B. B. Wankhade													1		1
2	Shri. S. V. Borle								2					1	1	4
3	Shri. Y. D. Patil													2		2
4	Shri. S. K. Karande					1						1		1		3
5	Shri. C. M. Bharambe											1				1
6	Shri. D. Y. Dhale								1					2		3
7	Shri. G. H. Kurhade											1		1	1	3
8	Shri. R. T. Parihar	3			2	2			1			1		2		11
9	Dr. Y. P. Patil					1			1					1		3
	TOTAL:-	3			2	4			5			4		11	2	31

YEAR- 2012-2013

Sr. No.	Name	Paper Published in Journals			Paper Presented in Conference			Participation in Conference			Participation in Seminar			Workshop	Refresher	Total
		International	National	State Level	International	National	State Level	International	National	State Level	International	National	State Level			
1	Shri. S. V. Borle					1		1	1					1		4
2	Shri. Y. D. Patil				1											1
3	Shri. A. J. Rathi					1										1
4	Shri. S. K. Karande	2				3			1							6
5	Shri. C. M. Bharambe					2			1						1	4
6	Shri. D. Y. Dhale								1							1
7	Shri. R. T. Parihar	2							1							3
8	Dr. Y. P. Patil					1		1	1						1	4
9	Shri. S.E. Warkhede					2								1		3
	TOTAL:-	4	0	0	1	10	0	2	6	0	0	0	0	2	2	27

YEAR- 2013-2014

Sr. No.	Name	Paper Published in Journals			Paper Presented in Conference			Participation in Conference			Participation in Seminar			Workshop	Refresher	Total
		International	National	State Level	International	National	State Level	International	National	State Level	International	National	State Level			
1	Shri. S. V. Borle													1		1
2	Shri. A. J. Rath					1			2							3
3	Shri. C. M. Bharambe					5			1					1		7
4	Shri. D. Y. Dhale													1		1
5	Shri. G. H. Kurhade							1								1
6	Dr. Y. P. Patil	1				2										3
7	S.E. Warkhede													1		1
	TOTAL:-	1	0	0	0	8	0	1	3	0	0	0	0	4	0	17

3.4.4 Provide details (if any) of

- ☐ research awards received by the faculty
- ☐ recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally
- ☐ incentives given to faculty for receiving state, national and international recognitions for research contributions.

- Three staff members of the college are recognized research guide for

the Ph.D. research work

- ✓ Prof. Dr. B.B. Wankhade (Principal) for the chemistry subject is recognized guide for the Ph.D. research work, recognized by Gadge Baba Amravati University, Amravati.
- ✓ Dr. C.M. Bharambe for the Zoology subject is recognized guide for the Ph.D. research work, recognized by Gadge Baba Amravati University, Amravati .
- ✓ Dr. R.T. Parihar for the chemistry subject is recognized guide for the Ph.D. research work, recognized by Gondwana University, Gadchiroli

3.5 Consultancy

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

The career guidance and placement cell of the college works as nodal agency for establishing institute industry interface . The students and staff visit to the industry and students are ask to prepare report on the visit. B.Sc. II students of this college visited to various nearby industries including Benzoochem, Rasoya, Chaitanya biological etc. The industries send their recruitment team to the college to recruit B.Sc. II and M.Sc. II appeared students.

Class	Name of Industries Visited	No. of Students Participated	Date of Visit
B.Sc. I & II	Rasoya Protein Ltd. Malkapur	43+3	17 December 2012

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

The departments of the college and staff are given freedom to engage in consultancy. The policy is that out of the charges to be taken from the party college share is the expenses only. Remaining amount is given to the staff associated with consultancy service.

For example for analysis of water for drinking purpose Rs. 100/- is charged per sample. Rs. 40/- are deposited to college account as expenses against chemical, electricity etc. and Rs. 60/- are given to the staff concerned. The facility available in the college is published through the website.

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

The laboratory resources are freely accessible to the faculty members for the consultancy services. Only expenses against chemicals and consumable material are charged.

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

The broad areas and major consultancy services provided by the institution are

- Analysis of water for drinking, industrial and agriculture purpose.
- Analysis of soil for its N,P,K and fixed carbon content and suggestion of crop pattern
- Blood testing
- Urine testing

Water analysis and soil testing services are started from 2013-14. Blood and urine testing services are started from 2014-15. No revenue is generated till date.

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?

The institution has very definite policy regarding sharing of income generated through consultancy. Only actual expenses for the consultancy services are charged by the institution. Maximum share is given to staff involved in the services. Institution is benefitted by enhancing institute-community relationship.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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 institution promotes institute-neighborhood-community network and student engagements by the result oriented and sustainable activities such as:
 - ✓ Arrangement of local society/community based programmes along with regular curriculum
 - ✓ Awareness of institutional activities among faculty, students, parents, local NGO's, GO's, Farmers, Enterprises etc.
 - ✓ Publicity of the institutional social based activities through print media, pamphlets for participation and awareness.
 - ✓ Publicity of the institution based related programmes of Government, University, NGO's in community.

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

- Awareness of social activities among student and faculty by arranging one days programme in the college.
 - ✓ Making arrangement for involvement of faculty/students in social activities.
 - ✓ Making arrangement in the regular time table of the academic for participation.
 - ✓ Awareness of regular, result oriented and sustainable programme among students.
 - ✓ Chalk out of programme accords date, time delay with in time.

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

- Taking feed backs from the students, faculty, and participant in the form of reports, advice and opinions.
- By inviting Management members for their view and programme and to make correction in further relation programme
- Discussion in staff council, student representative council and management council, teacher parent meeting, Teacher guardian scheme

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.

- Institution plan organized its extension and outreach programmes in the academic year 2010-11 to 2013-14
 - Tree plantation and its conservations
 - Environmental awareness and cleanliness
 - Health awareness, prevention and care
 - Literacy awareness among under privileged and vulnerable sections of society
 - Disaster management and its awareness in society
 - Projects participation of students, faculty and society
 - Workshops for skill development
 - Knowledge and awareness
 - Cope for society based activities
 - Special seven days and one days camping for society
 - Rallies, competition, awareness, group discussion etc.
 - National Integration and solidarity
 - Career counseling cell

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 institution promotes participation of student and faculty in extension activities
 - In staff council meeting full freedom is given to faculty for selection of extension activities according to their interest.
 - Related activities are assigned to each staff member for programme formulation, implementation and evaluation with staff active participation.

- Student having attitude and interest for particular activity are note down for programme implementation as its evaluation.
- Student representative council members are also given freedom for the selection of students.
- NSS volunteers are selected according to the rules and regulation of SGBAU, Amravati
- Additional marks and certificate are given to volunteers.
- Prizes are given to students for best performance
- Besides NSS, students are also participating in other extension activities. They are allowed to participate in the activities of other institutions.

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

- To ensure social justice and empowered students from under privileged and vulnerable section of the society
 - Special concession is given to the students belonging to social economical backward for their participations.
 - Financial help is given to needy students of below poverty line by staff members
 - Social surveys are made to find out the problems of under privileged society for implementation of activities

Following types of extension activities were arranged by the college during last four years

a) Environmental awareness

- Tree plantation and conservation by NSS unit in college barn-yard area on Independence Day.
- Tree plantation was also done at the public places like Idgaha Maidan, School premises of Kund kh, Kund Bk and M.S.M. English school Malkapur
- **“Vruksha Dindi”** a rally was organized to give message to the society regarding importance of plantation and conservation of trees.
- Rally’s were also organized on the theme Cleanliness, Sewage disposal and Septic tanks at the adopted village.
- Demonstration on **“Pollution free Chullas”** was organized at Datala, at the adopted village.
- Disaster management cell was established at college level.

b) Health public sanitation and personal hygiene

- Free Medical checkup camp for local people at Datala was organized on 25th Dec 2013
- AIDS awareness rally and essay competition was organized.
- Workshop was organized for the HIV test. 27 students offered the HIV test.
- Pulse polio vaccination awareness rally was organized during the camp period at Datala.
- Sickel-cell anemia awareness was done by organizing rally, poster presentation and group discussion at Datala.
- Programmes are arranged on rehabilitation of alcohol, yoga, meditation and sports at adopted village

c) Participation of students- local people in Rural development projects

- NSS volunteers participated in development activities at adopted villages. Project on water and soil conservation by Nala-bunding, digging soak-pits, leveling of streets and grounds were undertaken every year.
- Survey project on the problems of senior citizen was undertaken at Kund during the session 2010-11

d) Women empowerment

- The activities like group discussion on gender equality, essay competition, poster competition, poems writing and speech competition were arranged on gender-equality under the programme **“Jagar-Janivancha”**. The activity report was submitted to the district collector and joint-director of higher education.
- The rally with the theme save girl child was organized on 2/8/2012.
- A workshop was organized on 29/1/2014 to counsel the AIDS, HIV and related women health problems.

e) Career Guidance

- A guest lecture on competitive examination by Manoj Patil and Pravin Bhopale was organized on 17/9/2010.
- A special programme **“Jago Mohan Pyare”** a personality development programme by Anil Rathi of Amravati was organized on 25/9/2010.
- Soft Skill development workshop by Simple Funde, a renowned firm of international trainer Mr. Anuj Jaju and Dr. Priti Zambare

was organized during 12 to 14 Dec 2011 for the student and staff.

- A Guest lecture by Mr. Dube on soft skills was organized on 19/1/2013.
- A guest lecture on the **topic “Your life is what your thoughts make it”** by Mr. More and Mr. Tekade, the disciple of great philosopher Mr. Waman Pai was organized on 20/12/2013.

f) Celebration and organization on special days

- Independence day
- Sadbhavana day (20 August)
- NSS Foundation day (24 September)
- Mahatma Gandhi Birthday (2 October)
- Cleanliness day (8 October)
- Sant Gadge Baba death anniversary (20 December)
- Savitribai Fule Birthday (3 January)
- Swami Vivekanand Birthday (12 January)
- Pulse Polio day (23 January)
- Republic day (26 January)
- Sant Gadge Baba birth anniversary (23 February)
- National Science Day (28 February)
- International Women’s day (8 March)

g) National Integration Solidarity

- Celebration of **“Dahi-Handi”** with participation of all students on 31 August 2013
- Celebration of **“Ganesh Festival”** and **“Id-E-Milad”** in college
- Tree plantation in Idgah Maidan

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

Through various extension activities of the college like residential camps, rallies, workshops and other collaborative extension activities ensures empowerment of personalities and development of responsibilities among the students to become a good citizen. Beyond the learning experiences in the classrooms, extension activities give the student an opportunity to know struggle of life in critical or adverse condition. Student came to know the needs of the society and they are compelled to think over remedies on social problems. It help in inculcation of problem solving habit in the critical conditions among the students.

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

The institution organizes residential camps, awareness programmes, Health Care programmes and environment friendly initiatives to ensure the involvement of the community in its reach out activities and contribute to the community development.

Residential camp : Sarpanch and members of GramPanchyat, school teachers, school committee members and community of the village are involved in this activity.

Awareness Programmes : Medical officers from Civil Hospital, Teams of doctors from Local hospitals, State government administrative like BDO,

students and staff of other institutions and local community are involved in those programmes.

Health Care Programmes : Team of doctors, needy people and student interacts in such programmes.

Environment friendly Initiatives: Environmentalists, NGO Members, administrators from water supply, forest and education department are involved.

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

The constructive relationship forged with other local institution by sending for participation in the outreach programmes and extension activities.

- The NSS unit co-ordinates with the Datala Gram Panchayat to organize all its extension activities during the seven days residential camp. The unit organizes tree plantation, village cleanliness, Awareness activities like, Environment Pollution water conservation, etc.
- The extension activity unit of the college actively participate in cleanliness programme in coordination with local NGO Gadge baba vichar manch and Manogat parivar.
- In collaboration with civil hospital of Malkapur, college organizes and participates in national programme like pulse polio and AIDS awareness.
- In collaboration with forest department and local environmentalist, tree plantation programme is organized.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development

during the last four years.

Mr. Bhushan Bhoite and Ms. Neelakshi Deshpande of the college were selected for the national republic day parade.

3.7 Collaboration

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

The Institution has collaboration with

1. Amravati university chemistry teacher association
2. Shri Shivaji College of science, Arts and Commerce Akola
3. Government Hospital Malkapur
4. Pathological laboratories Malkapur

Miss. Kiran Rathi and Payal Malpani of B.Sc. II have completed summer training programme working on a project entitled **“Discovering Novel Therapies for Neglected Tropical Diseases”** at CSIR-National Chemical Laboratory OSDD outreach centre Pune during May-July 2012.

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 entered in MOUS/collaborative arrangements with the following institution.

- i. National chemical laboratories, Pune

- ii. Yashwantrao Chavan Maharashtra Open University, Nashik
- iii. Amravati University Chemistry Teacher Association
- iv. Manogat Parivar-NGO for betterment of the society
- v. Swami Vivekanand Ashram Malkapur
- vi. Gadgebaba vichar Manch-NGO to spread thought of Gadge Baba through activities
- vii. Government Hospital Malkapur
- viii. Student Welfare section, Sant Gadge Baba Amravati University, Amravati
- ix. Pathology laboratories of Malkapur
- x. Chaitanya Chemical and Biological, Malkapur
- xi. Deepstambh Jalgaon Khandesh
- xii. Red Ribbon Club
- xiii. Tree, a society for better environment

With collaborative arrangement with above listed institution/ laboratories various programme were arranged in collaboration. NCL Pune had given opportunity to our two students to work on the project at their esteemed institute.

- DMLT course is started affiliated to YCMOU, Nashik
- University level seminar competition was arranged in collaboration with Amravati University Teacher Association. It provided platform for the students of our college to interact with eminent educationalist and students of other colleges.
- Collaboration with NGO's like Manogat Parivar, Swami Vivekanand Ashram, Gadge Baba vichar Manch gave opportunity to the student of this college to work for the society. Due to collaboration with government hospital student could participate in programmes of National interest like pulse polio, cleanliness, programme, aids

awareness, blood donation, women empowerment etc.. Student welfare section of SGBAU had provided fund to organize programmes of National interest like sexual harassment prevention, gender equality, aids awareness, career opportunity etc.

Tie up with pathological laboratories of Malkapur gave opportunity to the student to practice in the field. Students are recruited at Chaitanya Chemicals and biological a local industry through campus interview and on recommendation. Student also got facility to work on advance instruments of industry like atomic absorption spectrophotometer to analyze water for its heavy metal ion content.

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.

Due to industry institution interaction student were benefitted by getting job.

- Students were benefitted to work on advance instrument.
- Due to tie up with pathological laboratory and government hospital, student of DMLT works with experts to gain practical knowledge in the medical laboratory techniques. Due to interaction with agencies like Deepstambha, students are benefitted for their better career.

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

years.

National or international conference was organized by the college. But some eminent personalities were interacted with the student and staff of the college.

Name	Topic
Dr. V.S. Jamode	Spectroscopy
Dr. Shukla	Career opportunities in abroad
Mr. Anuj Jajoo and Dr. Priti Zambare	Soft skill training
Mr. Khushrao Irani and Mr. Sanjay Kale	Soft skill training
Dr. G.N. Wankhede	Entrepreneurship in rural area

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

Five collaborations have actually resulted in formal MOU's and agreement YCMOU, Nashik, Government Hospital Malkapur and three Pathology Laboratories.

- College could provide education in MLT due to collaboration with YCMOU.
- The student of DMLT are benefitted by working in the laboratories. Student got internship to practice on patients in government hospital.

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

- The college is planning to establish the linkages with research institution particularly with institution of pharmacy to exchange the knowledge of synthesis and biological activities of organic compounds.
- College is planning to establish linkage with agriculture department for consultancy services in water quality for irrigation and soil testing for better crop pattern.
- The college is taking initiatives in establishing interaction with NGO's working for the betterment of the society at the root level.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

The college has well defined policy for creation and enhancement of infrastructure to facilitated effective teaching and learning.

The requirement of infrastructure is discussed in the staff meeting and recommended for creation to the governing body of the college . After approval of the governing body class room, governing body and other infrastructure is constructed.

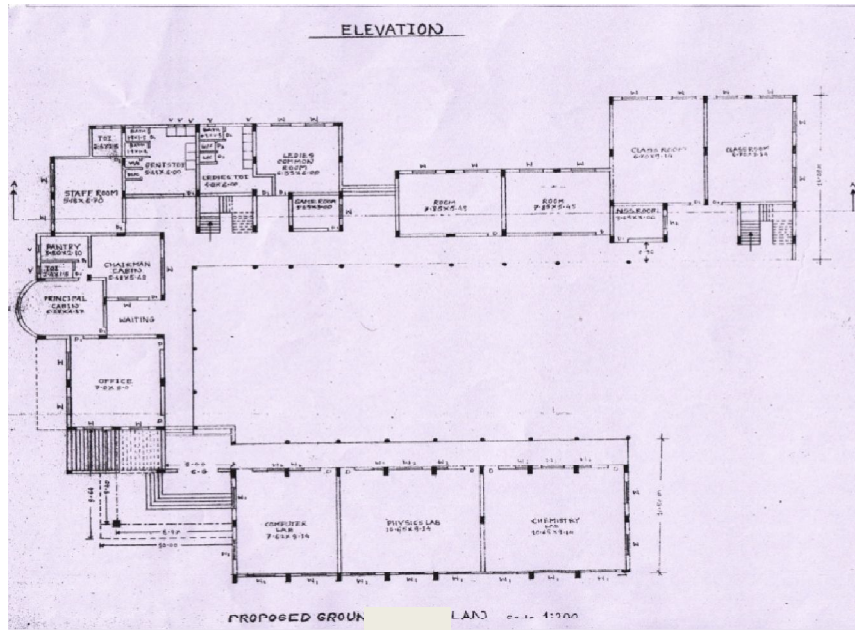
There are 7 class room, 7 laboratories, office; library and other construction are made by adopting this policy.

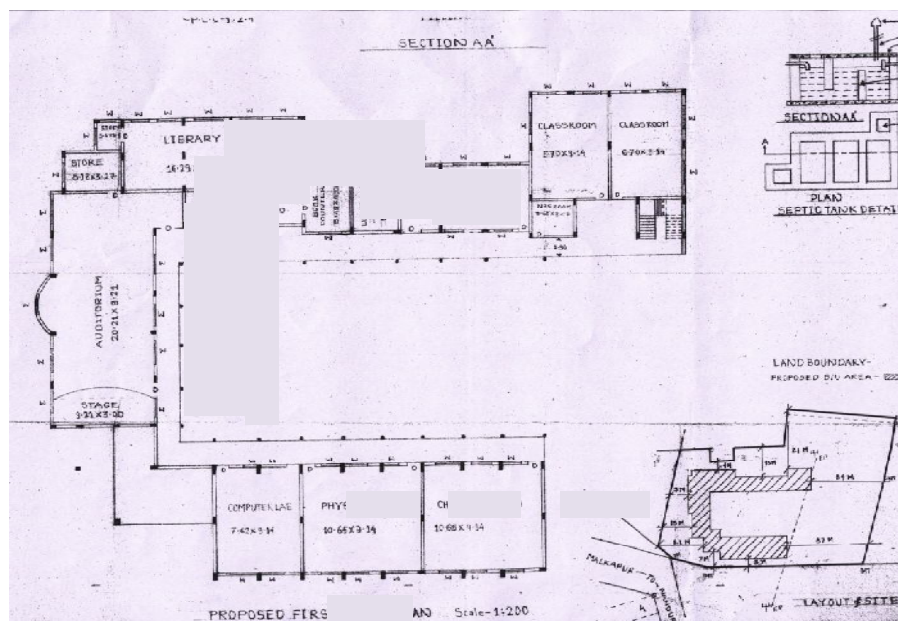
4.1.2 Detail the facilities available for

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.

The college is spread over 10562 sq.m. of area. The college has specious and adequate number of class room and laboratories as per UGC norms. The college has the central library with sufficient number of books, periodicals and journals and separate reading room.

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.





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 college has augmented the infrastructure to keep pace with academic advancement. In the recent years toilets and girls common room is constructed. The laboratories upgraded with additional instruments and equipments in the existing laboratories. The laboratories are constructed in such way that two batches can be accommodated at a time if student strength is increased in future.

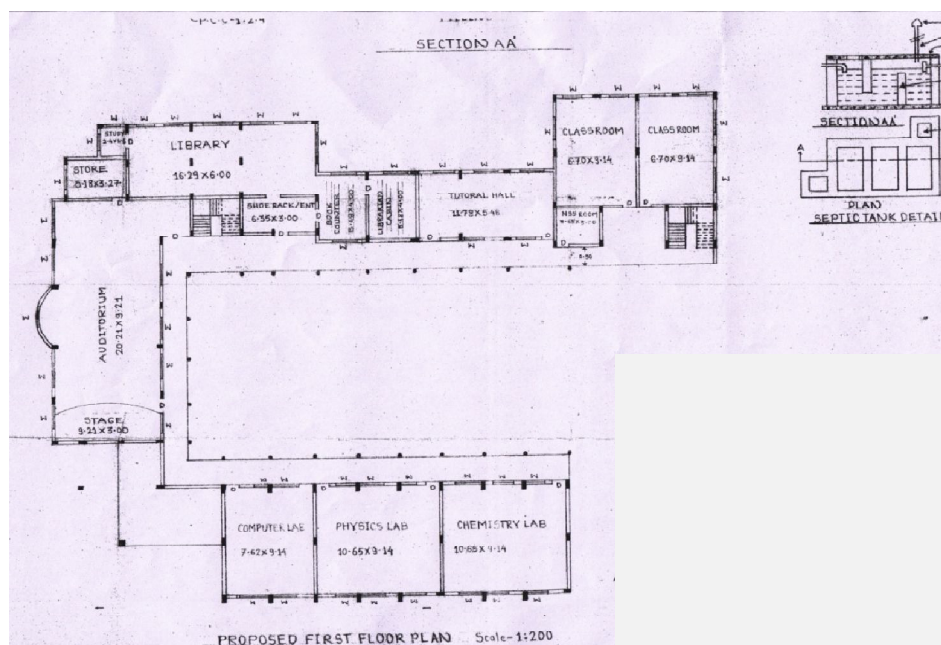
Significant numbers of computers are purchased. The amount spends on infrastructure and various facilities in last four years is as follows.

Particulars	Area in Sq.feet.	Number	Total Area in Sq.feet.
Class room	660	4	2640
	465	2	930
Laboratories	1050	5	5220
	750	1	750
Library	375	1	375
Reading Room	465	1	465
NSS room	140	1	140
Sport room	140	1	140
NRC room	323	1	323
Office	600	1	600
Principal Cabin	365	1	365
Toilets	260	1	613
	353	1	
Girls Common room	410	1	410

Seven Class rooms with office and Principal cabin of 4000 sq.ft. area was constructed in 2005-06. The 6 laboratories of 6000 sq.ft. area were constructed in 2007-08.

The future plan of the college for exception of infrastructure is

- Construction of seminar hall upto 2014-15
- Expansion of library with reading room upto 2014-15
- Construction of research laboratory upto 2016-17
- Construction of rooms for extracurricular activities upto 2016-17.



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

The institute is committed to make the stay of differently-abled students comfortable. Library and water facility are available at ground floor. The ramp is provided specially for differently-abled student at the entrance of the college.

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

The students of the college are mainly from the local town and the nearby villages. The students generally preferred to attend the college by residing at their home place. Hence residential facilities for the student are

not provided but quarter in campus is allotted to watchman.

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?

The Physical education department of the college every year regularly organizes Health Check up camp, physical and medical test. Dr. Rajendra Firke M.D.(Medicine) and Dr. Shubhangi Firke, B.A.M.S. gave their honorary service to the students. Medical checkup is done by the approved medical fractioner once in a year. As and when required the health services outside the college are made available. There is provision for medical reimbursement of the staff. The list of staff who avail this facility is as follows.

Year	Name of the employee	Amount in RS
2010-2011	Sau Sangita V. Bharambe	13,935.00
2011-2012	Shri. Vitthal S. Tayde	2,12,716.00
2012-2013	Shri. Yogendra D. Patil	14,349.00
	Shri. Madhukar W. Kolte	19,528.00
2013-2014	Nil	----
Claimed		
2012-2013	Shri. Yogendra D. Patil	1,18,766.00
2013-2014	Shri. D. Y. Dhale	60,417.00
	Sau. S. V. Bharambe	56,534.00
	Shri. V.S. Deole	62,703.00
	Shri. M.W. Kolte	37,285.00
Total		596233.00

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 IQAC unit, grievance Redressal unit, career counseling and placement unit are setup in the cabin of respective in-charges.
- The Network resource centre is available to staff and students at free of cost.
- Separate cell is established for the extension activities including NSS and for sport activities.
- Safe drinking water facility with RO system is made available in the campus.
- Power generator is provided for the continuous supply of electricity for smooth administrative and academic work.
- Water supply is made available to all departments in the campus.

4.2 Library as a Learning Resource

4.2.1 Does the library has 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 library has an advisory comprising of staff members and the librarian of the college. The details of meeting held during last three years are as follows

Year	Date of meeting
2011-12	06/07/2011, 10/08/2011, 09/09/2011, 18/10/2011, 10/03/2012
2012-13	18/07/2012, 11/09/2012, 13/12/2012, 18/04/2013
2013-14	20/07/2013, 21/10/2013

To render the library user friendly, recommendation made by library committee were:

- To purchase books every year after sorting list provided by HOD and staff concern.
- Reading room for students.
- Extra book facility for advance learners.
- Separate stand for news papers
- Purchase of library software for speedy and smooth working of the library.

Almost all recommendation of library committee are accepted and implemented appropriately.

4.2.2Provide details of the following:

- Total area of the library (in Sq. Mts.) : 80 Sq. M.
- Total seating capacity : 20 Students
- Working hours :
 - On working days : 10.00 AM to 5.40 PM
 - During Examinations : 10.00 AM to 5.40 PM
 - During vacation : 10.00 AM to 5.40 PM

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 librarian circulates a notice to HOD's for the requisition of books at the beginning of the session. The library committee sort out the books as per priority and budgetary provision. The amount spent on processing new books, journals etc during the last four years is as follows:

Library holdings	2010-11		2011-12		2012-13		2013-14	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text books	704	217182	285	47404	180	54954	11	2244
Reference Books	65	70850	--	--	--	---	--	--
Journals/ Periodica	15	17750	13	18650	15	20500	11	13625
Total	784	305782	298	66054	195	75454	22	15869

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

- For the smooth and speedy working of the library automation software is installed one computer is provided to library which can access by student and staff to find books by author or by title.

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
 - During the last session 2013-14 the total transaction of books was 8550. The number of students turn up to read books or University question papers was 3600.
 - **Average number of walk-ins:** The average number of walk-ins students for the academic year 2013-14 are 67.5 Per day.
 - **Average number of books issued/returned:** Average number of books issue /return during academic year 2013-14 were 35.53 Per student..
 - **Ratio of library books to students enrolled:** 8.4:1
- Total number of books added during last four years: 1245
- Average number of books added during last four years: 311

There is proper policy for weeding out of books. The internal stock verification by librarian and external stock verification is performed every year. The damaged/teared/weared books are sorted. Further the books with outdated content are selected by the librarian such outdated and disposable books are condemned after recommendation of library committee and approve by the Principal up till now 60 books are condemned.

Other material like old newspaper is sold by auction once in a year.

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

Manuscripts: No manuscript is available

Reference: Yes, the library has reference books.

Reprography: The facility is available in the library.

ILL (Inter Library Loan Service) : There is interlibrary borrowing facility.

Information deployment and notification (Information Deployment and Notification):

Download: The library provides the facility of downloading in the Network Resource Centre.

Printing: No.

Reading list/ Bibliography compilation: Library provide subject-wise manual catalogue to Students and faculty member.

In-house/remote access to e-resources: Nil

User Orientation and awareness: Nil

Assistance in searching Databases: Nil

INFLIBNET: The library has library a software for automation.

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

The library staff is a non vocational staff looking after the purchase of books, maintenance of library, issue of books to staff and students.

- To access the books easily, they are arranged subject wise books on the separate racks. Further subjects are classified into various branches of that subject. Such as chemistry books are arranged separately into six categories like organic, inorganic, analytical etc. The books are placed at their proper place daily.
- Semester wise question paper set of university examination are prepared and is issued to the student on temporary basis ie. Refer in t library or to or note in the reading room.
- Maximum 3 books for 7 days and 4 books for 10 days are issued to UG and PG students respectively. To ensure the optimal use of particular book by maximum possible students, fine is charged for late returns.
- There is not limit for number of books issued to the teaching staff, but they have to return the books at the time of stock verification.
- Record of all such activities is kept by library staff.

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

Library is situated on the ground floor for easy access to physically challenged students. There is no special facility to visually/physically challenged students.

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.

The librarian is very much keen to give best possible service she talks to students personally with staff and students on the following point.

1. Which books has maximum content of the curriculum?
2. Which book has easy language to understand?
3. Which book is more demanded by student and staff?
4. Which topics are included in the syllabus?

The feedback is very much useful to purchase the proper books and to apply proper weeding out process.

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) : 29 Desktop Computer and 2 Laptop
- Computer-student ratio : 1:7
- Stand alone facility : 17 (Stand alone as well as networked)
- LAN facility : 17
- Wifi facility : NIL
- Licensed software : C, C++, Windows Xp, MS-office 2000
- Number of nodes/ computers with Internet facility : 17
- Any other

Sr. No.	Name of the Equipment	Configuration/ Specification	Qty
1	Laser Printers	Hp 1018	1
2	Laser Printers	Canon LBP 2900	2
3	DeskJet Printer (Color)	IP 2770	1
4	Scanner	Canon ScanLide 110	1
5	Scanner	Microtech	1
6	Epson DMP	LX-300+	4
7	LCD Projector	EPSON EB-x14 (HDMI) 2800Lumens	3
8	LCD Projector	EPSON 2500Lumens	1
9	Interactive board	Model IB78	2
10	Laptop Dell -	Core i3 2nd Gen, 4GB RAM, 500GB HDD, 15.6" LED, Bluetooth, Wi-fi, Webcam, Bag	2
11	External USB Hard Disk	500 GB	1
12	Toshiba USB Pen Drive	8 GB	1
13	Sony USB Pen Drive	8 GB	3
14	Webcam SVB	5 Mega pixel	1
15	Speaker Dell, odyseeey	Model 300w	11
16	Switch	D-Link (16 Port, 24 Port)	2
17	Copier all in one	Samsung SCX-4521	1
18	Stabilizer	Model VGMW1000	1

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

Internet facility is available in the college for faculty and students. There are 10 computers with the facility of Internet in department of computer. The 02 nodes are situated in the UGC- Network Resource Center and 4 computers are situated in the college office and 1 is in Principal Cabin.

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

In the future the college intends to upgrade the computer and internet facility in each laboratory with latest configuration available in the market. For this upgradation IT infrastructure and associated facilities UGC funds and self finance is to be used in support.

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)

The details of the expenditure for procurement and maintenance of the computers and their accessories in the institution (Year wise for last four years) is as follow

Sr.No.	Year	Procurement	Maintenance	Total
1	2010-11	118305	9830	128135
2	2011-12	484025	33253	517278
3	2012-13	980	9885	10865
4	2013-14	----	39880	39880
Total		603310	92848	696158

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 staff in computer science department, some other departments botany, zoology, physics and in the UGC- Network Resource Center. The teachers freely take help of the ICT resources and internet to enhance their prescribed curriculum with the help of LCD projector and computer. Also projectors, podium and laptops are available which can be used by faculty members and students as and when required.

Faculty members are provided with computers with internet browsing facility for preparation of teaching/learning materials and for students also through NRC.

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 use of information and communication technology has become very essential in imparting quality based education. Well equipped computer Labs, with multimedia, podium system, Interactive board and LCD projectors are available to the faculty as well as students for computer aided teaching. The computer faculty is always available for any need based assistance in the use of ICT.

The computer department also guides time to time on the use of Internet for learning resources.

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

No, the institution does not avail itself of the 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)?

- The college ensures optimal utilization of budget allocated for the maintenance and upkeep of the college infrastructure by holding meetings of the LMC for budget construction, colouring of building, fencing etc. Maintenance of equipment is done by proper person on annual agreement basis for generator and computers. Maintenance of delicate instruments is done by local expert or company experts as the case may be.

The maintenance of the institution during last four years is as follows

Sr. No.		Amount in Rs				Total
		2010-11	2011-12	2012-13	2013-14	
1	Cleaning	11734	17130	16625	23743	69232
2	Fencing	----	30400	----	----	30400
3	Computers	9830	33253	9885	39880	92848
4	Generator	8142	21694	9547	6000	45383
5	Equipments	--	--	6040	1110	7150
6	Furniture	----	--	380	100	480
7	Taxes	72540	72540	72540	72540	290160
8	Security	36000	42000	48000	48000	174000

9	Building	----	----	----	----	0
10	Electricity	112670	150820	262665	411467	937622
11	Garden	----	10255	----	400	10655
12	Railing	----	----	----	30000	30000
Total		250916	378092	425682	633240	1687930

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

- The heads of the department identify the need for maintenance and upkeep of the infrastructure, water supply, gas connection, instruments and equipments in their respective laboratory.
- Head clerk of the college looks after the need for maintenance of building, cleaning, water supply, power generator and campus.

4.4.3 Staff members also point out the needs of maintenance either through HOD or to the Principal in the staff meeting. Minor repair/maintenance are done with the permission of Principal. Major maintenance like colouring of building, furniture construction of managing body.

- The staff members have adequate knowledge of handling the instruments being used in their laboratory. They identify the need of calibration and other precision measures and necessary correction are made at departmental level. If necessary the services from technical experts or providers are hired. The computers along with related hardware and power Generator is maintained under the annual maintenance contract for the purpose. In general measures are taken after stock verification every year preferably at the end of the session.

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

- The equipments which are sensitive to voltage fluctuations are supported by voltage stabilizers and UPS system sensitive equipments like CRO, electronic balance, laminar air flow, Deep freezer, Spectrophotometer etc. are placed at fixed location to avoid any damage due to its movement. Students are given demonstration before handling of delicate instrument. Water supply system, gas supply system, damage system are checked time to time and are repaired as and when requires to ensure continuous water supply & safety use of gas connection.

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

The college has three phase electric supply and Power generator to solve the electric problems, Safe water RO system in college campus.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If ‘yes’, what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes

The institution publishes its updated prospectus and annual magazine “ZEP”. Prospectus provide information about mission and goals, Highlights of college, Local managing committee, staff list of Teaching and Nonteaching staff, Course offered, Eligibility, Documents to be submitted at the time of admission, fee structure, scholarship and Award information, Academic calendar, Holidays, Dress code information, Incentive marks scheme with this general information about admission process, Attendance in order to qualify for University examination college examination about various fort folios in the college like National Service Scheme (NSS), Career Counseling Cell, Teacher Counseling Scheme, Excursion tours, Cultural activities.

The prospectus also provide information about discipline and rules framed for students, Games And Sports, Feedback mechanism, Book bank scheme, Medical examination of students, Student grievance Redressal Cell, Students insurance, Celebration like Sort Day, Birthdays and Death Anniversaries of some renowned persons, College, Welcome function, Farewell ceremony, Physical Efficiency test etc.. Every year college publish annual magazine “ZEP” which reflects how the college ensure its commitment and accountability because “ZEP” provides information about college toppers students in various subjects and in various classes including

best student of the year and University Colour Coat holders if students got color coat. ZEP also takes account of special issue needful for awareness in society, ZEP contains photography of college annual get together, NSS, Zep also contains poems, articles collected or written by the students and staff members. To develop writing skill poem and article. Sections is divided into three division like Marathi, Hindi and English.

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?

Yes

The financial aid was available and disbursed on time except during 2011 – 2012, some students has not received the scholarships on time.

Year	GOI Scholarship	GOI Free ships	Concession	Total
2010– 2011	115	17	23	155
2011– 2012	73	09	18	100
2012– 2013	111	20	15	146
2013- 2014	176	19	37	232

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

Year	% of student receive financial Assist	
	State Government	Central Government
2010– 2011	23/304 (7.56)	132/304 (43.42)
2011 – 2012	18/332 (5.42)	82/332 (26.69)
2012 – 2013	15/276 (5.43)	131/276 (47.46)
2013 - 2014	37/342 (10.81)	195/342 (57.01)

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
- Government reservation policy for college admission is strictly followed to ensure educational fulfillment for the weaker sections and society.

- They are given awareness about the various scholarships Scheme through prospectus and they are encouraged to apply for them.
- The scholarships offered by the government are disbursed to them on time.
- UGC sponsored remedial classes are conducted for SC, ST, OBC, Minority students. Many undergraduate SC, ST and OBC, Minority have benefitted through the remedial classes conducted in the college.
- Scholarship to advanced learner from SC/ST, OBC, Minority and EB class student with the financial aids from UGC.
- Students with physical disabilities
- The reservation policy for admission is strictly followed for:
 - **Overseas Students:** the institution does not have any overseas student at present and up till now.
 - **Students to participate in various competitions at various level:**
 - 1) Students are encouraged to participate in intercollegiate, district level, state level, and competition and are selected by taking prescreening competition. The felicitated in annual get together.
 - 2) Computer with Internet facility is available to prepare for various competitions.
 - 3) Deserving students are encouraged to participate in Workshop, Seminar, conferences at various levels.
 - 4) The students participating in Workshops, Seminars, conferences and other for those days are treated as full attendance in the college.
 - **Medical assistance like health center and health insurance Provided to students:** 1) Medical checkup of all the students was done by medical officers appointed by the college and those who

fail to appear for medical checkup are liable for fine or any other disciplinary action.

2) Special lecture on health awareness are organized by NSS every year and special help line of sub district government hospital Malkapur is provided to students to solve their sexual problems and doubts.

3) Transport facilities are made available during emergency situation. In case of symptoms of severe illness. Parents are intimated immediately.

4) Students participating in outstations programmes of NSS are send after taking medical fitness certificate.

5) Workshop sponsored by student welfare department of SGBAU, Amravati on Ladies Health, Sexual problems was organized by college.

6) Free medical camps are organized by NSS every year with adopted village.

7) Insurance scheme against accident is run in the college as per University rule. The insurance for one year and is renewed every year. All the students are compulsory required to be registered under this scheme and pay the premium.

- **Organizing Coaching Classes for Competitive Exams:**

1) Special lectures on various competitive exams and various entrance exams are organized by college.

2) Students are motivated to participate in various aptitudes tests related to competitive exams and aptitude tests organized by other institutions are taken in college and also organized by college.

- **Skill development (Soft, English and Computer Literacy:**
 - 1) Career Counseling Cell and English Department workshop and lectures for student to enhance communication skills.
 - 2) Students are trained by computer department and NSS department in preparing curriculum vitae which is essential for job seekers.
 - 3) Programmes like Debate competition, Science Quiz, Science Day Celebration are conducted for improving language skills.
 - 4) Interclass seminar competition organized by various departments are made compulsory on LCD. So as to enhance computer literacy among the students.
 - 5) There is special Network Resource Center, sponsored by UGC in college which provides free axes for college students and staff.
- **Support for slow learner:**
 - 1) Slow learners are identified by class tests and also by Teacher Guardian Scheme.
 - 2) Faculty members and Teacher Guardian of slow learners takes special case of such slow learners and motivate and guide them to improve their performance.
 - 3) Remedial coaching is given to slow learners.
 - 4) Counseling through parents by sending results towards parents is done by college for performance enhancement of slow learners.
 - 5) Slow learners due to financial problems are identified by “Poor Student Welfare Fund” committee assisted by SPSW fund run by staff member of college.
 - 6) Extra books facility by library provided for slow learners.
- **Exposures of students to other institution of Higher Learning/Corporate/Business House:**

- 1) The students are motivated to participate in workshop, seminar, conferences and cultural events conducted by other institutions of Higher Learning.
 - 2) Field trips to corporate firms, industries and other academic institution are arranged periodically.
- **Publication of Students Magazine:** The college magazine is published annually which provided platform to the students creative skills. The article and poems collected or written by students in English, Marathi and Hindi languages are published by after scrutinized by the editorial board. The student's magazine also contains photography of topper's from college, colour coat holder best student of college and also the selected photographs of curricular and co-curricular events. The every year contributions from the staff members in the form of articles in English, Hindi and Marathi are published in the college magazine.

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

The college organizes special lectures of industry related person for students to develop entrepreneurial skills and also organize industrial visits of students. So as to known mechanism of industry and ultimately develop entrepreneurial skill. The college also organizes the workshop related to entrepreneurial skills sponsored by the NSS section of University or by student welfare department of University.

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

- Students who have a good track record in sports are given admission in the subjects of their choice in sports quota as per the government norms.
- When the players or students attending co-curricular or extracurricular activities outside the college and unable to attend the theory, practical or internal tests, they are permitted to write the tests on later day and special additional academic help is provided to the sports students whenever they miss their regular classes.
- Sports material for the sports like Cricket, Ball Badminton are provided free of cost by the college.
- Prize winners from various events such sports, co-curricular and extracurricular activities are conducted in college get together programme.
- The sport department provides uniforms and travelling fares to students those are participated in the intercollegiate tournament.
- Financial assistance provided to students by management and staff of the college to players selected and participated in abroad competitions. Mr Rokade weight lifter benefited by this assistance.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the

number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central/State services, Defense, Civil Services, etc.

- Guest lecturers for preparation of competitive exams are organized by college.
- Mr. V. B. Suradkar completed his education in M.Sc Chemistry and cleared SLET for lectureship in 2013-2014.
- Mr. Jay Dinore completed his education in M.Sc Chemistry and cleared NET for lectureship in 2013-2014

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

- The college has well effective counseling services through Teacher Guardian Scheme, Career Counseling Cell and through various programmes conducted by NSS and other collaborative organization:
 - **Teacher Guardian Scheme:** 16 to 20 students are mentored and counsel by the regular teachers throughout the session.
 - **Career Counseling Cell:** The Career Counseling Cell provides ample of opportunities of the career guidance by expert in the field.
 - **Organizing Invited Talks and workshop for Counseling:** SRC, NSS, Departmental Associations organizes various programmes like women empowerment awareness, skill development, moral values, personality development etc.

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).

Yes

The institution has structural mechanism for Career Counseling and placement of its students.

Various programmes are arranged on personality development, skill development, Competitive examinations, GDPI, Computer literacy, Language improvement.

Year	Programmes	No. of students beneficiary
2010 – 2011	Personality Development	74
	Skill development	70
	GDPI	50
	Computer literacy	65
	Colaborative Guidance for Competitive Exam Ex. Deepstambha, Dheya etc	39
	MPSC/ UPSC Examination Guidance	40
	Language improvement	72
	Environmental Awarness	60
2011 - 2012	Personality Development	117
	Skill development	110
	GDPI	115

	Computer literacy	100
	Colaborative Guidance for Competitive Exam Ex. Deepstambha, Dheya etc	50
	MPSC/ UPSC Examination Guidance	45
	Language improvement	65
	Environmental Awarness	62
2012 – 2013	Personality Development	50
	Skill development	45
	GDPI	40
	Computer literacy	35
	Colaborative Guidance for Competitive Exam Ex. Deepstambha, Dheya etc	30
	MPSC/ UPSC Examination Guidance	20
	Language improvement	45
	Environmental Awarness	50
2013 - 2014	Personality Development	96
	Skill development	90
	GDPI	85
	Computer literacy	80
	Colaborative Guidance for Competitive Exam Ex. Deepstambha, Dheya etc	40
	MPSC/ UPSC Examination	60

	Guidance	
	Language improvement	65
	Environmental Awareness	60

For recruitment campus interviewed are arranged for B.Sc. final and M.Sc. final students with the efforts of Career Counseling Cell. 12 Companies have shown the interest in giving jobs opportunities to the college students.

1. IFCA, Laboratories Limited, Aurangabad
 2. Sky Biotech Pharma, Aurangabad.
 3. WHFOCARD, Pharma Daman.
 4. Bioorganic Solution, Nasik.
 5. BADEV, Industries, Aurangabad.
 6. VEGA, CHEMIC, Jalgaon.
 7. CUREX, Pharma, Jalgaon.
 8. Benzo Chemicals, Jalgaon
 9. Reliance Life Insurance Colimited, Nagpur.
 10. Kirloskar Oil Engine Limited Ahmadnagar.
 11. Kirloskar Oil Engine Limited Kolhapur.
 12. Chaitanya Chemical and Biologicals, Malkapur.
- During last 4 years 03 numbers of students were recruited through campus selection.
 - With the efforts of cell, number of students was recruited by the companies.

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four

years.

Yes.

The institution has well established staff's and students Grievance Committee, it includes following composition:

S.No.	Name	Post
1	Dr. B. B. Wankhade (Principal)	Chairman
2	Sau. V N. Saoji	Member
3	Shri. S. V. Borle	Member
4	Dr. C. M. Bharambe	Member
5	Shri. S. G. Narkhede	Member

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

Yes

- The institution has well established Women Sexual harassment prevention Committee, it includes following composition:

S.No.	Name of Members	Post	Representatives
1	Sau. V. N. Saoji	Chairperson	Senior most woman Teacher
2	Ku. J. S. Kulkarni	Member Secretary	Female member on Teaching Side
3	Shri. S. V. Borle	Member	Male member on Teaching Side
4	Shri. Y. D. Patil	Member	Male member on Teaching

			Side
5	Mrs. V.N.Bhadgaonkar	Member	Female member on Teaching Side
6	Ku. P.M.Mukund	Member	Female member on Teaching Side
7	Mrs. J. G. Soman	Member	Lady Lawyer
8	Mrs.P.M.Saoji	Member	N.G.O. Member
9	Ku. P.A.Kharche	Member	Female Student

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

Yes

The institution has well established Anti Ragging Committee, it includes following composition:

S. No.	Name of Members	Profession	Designation in Committee
1	Dr. B. B. Wankhade	Principal	Chairman
2	Shri R.W. Umalkar	Reporter	Member
3	Adv. N.B. Dhoot	Lawyer	Member
4	Shri. Sapkale API	Police officer	Member
5	Shri S.N. Patil	NGO	Member
6	Prof. S.V. Borle	NSS coordinator	Member
7	Prof. V. S. Deole	DPE	Member
8	Dr. R.T. Parihar	Asstt. Prof.	Member

9	Mr. Liyakat Khan	Parent	Member
10	Shri S.G. Narkhede	Head Clerk	Member
11	Ku. Neha K. Chandkai	Fresh Student	Member

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

➤ List of Welfare Scheme made available to students by institution:

- GOI Scholarship to SC/ST, OBC, NT, Minority students.
- Concession to economically backward class.
- Concession to wards of teacher and nonteaching employee of Maharashtra Government.
- UGC Scholarship to SC/ST, OBC, VJ/NT, Minority, Physically disabled students.
- Group Insurance Scheme.
- Award to topper's students.
- Poor Student Welfare Scheme by staff.
- Seed money to participate in intercollegiate sports, academic and cultural activities.
- Health Care Facility.

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

Yes

- The institution has registered alumni association, it includes following composition:

- The alumni of the college are invited every year during the annual social gathering. They are given the platform to perform cultural activities and to share their taught with other alumnae students and staff of the college.
- In the session 2013–2014, 110 alumnae were present in the alumni meet.

5.2 Student Progression

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

- The trend to progress to higher education and employment from UG to PG is given below:

Sr. No.	Year	UG To PG	Employment	Total %
01	2010- 2011	23/58	10/58	56.89
02	2011– 2012	37/96	13/96	52.08
03	2012 – 2013	13/44	03/44	36.35
04	2013 – 2014	23/84	02/84	29.76

- The trend to progress to higher education and employment from PG to Higher is given below:

Sr. No.	Year	Employment	Total %
01	2010- 2011	13/16	81.25
02	2011– 2012	15/21	71.42
03	2012 – 2013	04/06	66.66
04	2013 – 2014	06/12	50.00

- The trend to progress to higher education and employment from PG.
- The list of employed students is given below:

Year	Name of employed student	Designation	Employer Address
2010–2011	Mr. Asmat Khan	Lecturer	Abdul Razak Kalsekar Polytechnic college Panwel Mumbai
	Mr. Mh. Aslam	Lecturer	Abdul Razak Kalsekar Polytechnic college Panwel Mumbai
	Mr. P. G. Patil	Teacher	
	Mr. S. P. Patil	Q. C. Chemist	Indore
	Mr. S. B, Jadhao	Teacher	Mehkar
	Mr. S. S. Chandak	Q. C. Chemist	Q. V. Labs Pvt. Ltd Ankleshwar, Gujrat
	Mr. S. N. Dhumal	Chemist.	Cipla Limited Co. Kurkumbh MIDC Tq- Daund. Dist: Pune
	Mr. S. B. Suradkar	Lecturer (CHB)	Vidnyan Mahavidyalaya. Malkapur.
	Ku. D. M. Deshpande	Jr. Lecturer	Pune
	Ku. D. R. Choudhari	Teacher	Manmad
	Ku. S. D. Paraskar	Coaching Class	Sangrampur Tq- Jalgaon Jamod, Dist- Buldana.

	Ku. M. S. Kolte	Teacher	Yoshodham Public School, Dharangaon.
	Ku. M. F. Khan	Teacher	M.S. M. English School, Malkapur.
2011–2012	Mr. Atul Pawar	Chemist.	Boiser
	Mr. Furqanullah Khan	Lecturer (CHB)	Vidnyan Mahavidyalaya, Malkapur.
	Mr. G. R. Dube	Jr. Lecturer	Rajkar college, Boiser Dhavda. Dist- Jalna.
	Mr. G. B. Choudhari	Q.C. Chemist.	Boiser
	Mr. Imran Khan	Lab. Tech.	Sub. Dist. Hospital, Malkapur.
	Mr. J. M. Dinore	Sr. Lecturer	Senior College, Sillod.
	Mr. K. P. Patil	Q.C. Chemist.	Pune
	Ku. K. C. Malpani	Teacher	S.O.S., Malkapur.
	Mr. Mo. Wikar	Lecturer (CHB)	Zambad College Nandura.
	Mr. R. S. Chandak	Chemist.	Mumbai
	Mr. S. D. Salunke	Lecturer (CHB)	Yeshwant Jr. College Bahadurwadi. Dist- Sangli.
	Mr. Syed. Rizwan	Chemist.	Lobha Pvt. Ltd. Mumbai
	Mr. Syed Sabir	Lecturer (CHB)	Jr. College Pimpalgaon Kale.
	Mr. G. A. Shelke	Officer	Dabar India Ltd.

			Silvasa, Gujrat.
2012–2013	Mr. G. R. Ghogare	Talathi	
	Ku. S. S. Jadhao	Lecturer (CHB)	Vidnyan Mv. Malkapur.
	Mr. S. S. Patil	Q.C.Chemist.	Spectrochem Pvt. Ltd. Tarapur. Dist- palghar.
	Mr. Vishal B. Zende	Q.C.Officer	Balpharma Pvt. Ltd., Kenjal. Tq- Bhor, Dist- Pune.
2013–2014	Ku. M. D. Patil	Teacher	Yeshodham Public School , Malkapur.
	Ku. S. S. Mhasagar	Lecturer(CHB)	Vidnyan Mv. Malkapur
	Mr. Adil Khan	Chemist	Ankleshwar, Gujrat.
	Mr. Mohsin Khan	Chemist	Ankleshwar, Gujrat.
	Mr. N. S. Barhate	Chemist	Paper Mill Ballarshaha
	Mr. R. D. Kshirsagar	Chemist	Chaitanya Chemical Malkapur.

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.

- The result analysis of UG and PG During Last Four years:

Year	UG			PG			
	B.Sc. I %	B.Sc. II%	B.Sc. III%	M.Sc. I %		M.Sc. II %	
				Sem I	Sem II	Sem III	Sem IV
2010 - 2011	35.85	35.48	17.24	30.00	50.00	33.00	87.50
2011 – 2012	38.68	28.09	35.42	16.66	30.00	33.33	23.80
2012 – 2013	64.03	55.56	77.27	27.27	72.72	33.33	50.00
2013–2014 (odd)	45.00	57.52	60.71	27.27	---	91.66	---
2013–2014 (even)	57.50	4071	51.19	----	50.00	----	33.33

- The details of Drop Out ratio during the last four years:

Year	B.Sc. I Admitted	B.Sc. III Appeared	Drop Out Ratio
2009-10 to 2011-12	115	96	23.66
2010-11 to 2012-13	113	44	61.06
2011-12 to 2013-14	110	84	23.63
2012-13 to 2014-14	118	97	17.79

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

- The institution facilitates student's progression to higher level of education by proper guidance through Career Counseling Cell and Teacher Guardian Scheme. They are guided to choose the proper course of their interest as well as having job potential.

- The institution facilitate students to employment by arranging various programmes like personality development, GDPI, soft skill training, programmes for competitive examination and by working as nodal agency between students and various firms.

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

- The main reason of dropout is early marriage, financial problem, uneducated family background, psycho-social problem and poor learning heritage. The teacher guardian point outs the students who are at the risk failure and drop out such students are counsel for their personal, academic or early marriage problem by the teacher guardian and by the principal. If found necessary the parents are also called for discussion and efforts are made to solve the problem at root level. If necessary the students are financially assisted through the poor student welfare scheme or by provided personal financial assistance.
- For poor learners Remedial Coaching Classes are run by the college.

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.

List of Games & Sports at various level and college level competition.

Year	Name of Sport	Number of the Students	Date	Place
2010-2011	Ball Badminton Girls	07	25/11/10 to 28/11/10	Amravati
	Kho-Kho	12	30/09/10 to 02/10/11	Nandura
	Ground Competetion	02	04/10/10 to 06/10/10	Amravati
	Ball Badminton Boys	07	02/11/10 to 28/11/10	Amravati
	Chess	05	15/10/10 to 17/10/10	Shegaon
	Hollyball	10	14/10/10 to 16/10/10	Buldana
	Ground Competetion	05	09/10/10 to 11/10/10	Amravati
	Kho-Kho Girls	11	17/09/10 to 19/09/10	Murtizapur
	Power Lifting	01	27/11/10 to 28/11/10	Nagpur
	Power Lifting	01	18/12/10 to 19/12/10	Washim
2011-2012	Power Lifting	01	12/12/11 to 16/12/11	Chikhaldara
	Ball Badminton	07	25/11/11 to	Malkapur

			27/11/11	
	Kabbadi	12	15/09/11 to 19/09/11	Amravati
	Power Lifting	01	21/09/11 to 22/09/11	Nagpur
	Power Lifting	01	21/09/11 to 22/09/11	Nagpur
	Power Lifting	01	31/07/11 to 01/08/11	Nagpur
	Power Lifting	01	22/08/11 to 27/08/11	Delhi
	Power Lifting	01	31/01/11 to 06/02/11	Kerala
	Power Lifting	01	05/12/11 to 09/12/11	Japan
	Ball-Badminton	01	30/12/11 to 01/01/13	Chandrapur
	Ball-Badminton	01	10/01/12 to 13/01/12	Hydrabad
2012-2013	Kho-Kho Girls	11	19/09/12 to 16/09/12	Shegaon
	Cricket	15	19/09/12 to 16/09/12	Shegaon
	Chess	06	19/09/12 to 16/09/12	Shegaon
	Ball-Badminton Girls	07	13/09/12 to 15/09/12	Malkapur

	Ball-Badminton Boy's	07	06/09/12 to 08/09/12	Malkapur
	Power Lifting	01	03/12/12 to 06/12/12	Buldana
	Power Lifting	01	20/02/13	Udaypur
	Kabbadi Boy's	10	06/09/12 to 09/09/12	Patur
	Power Lifting	01	03/12/12 to 06/12/12	Buldana
	One Act. Play	12	02/10/12	Amravati
	Mime	08	02/10/12	Amravati
	Painting	01	02/10/12	Amravati
	Antakshri	20	06/02/13	Malkapur
	Science Quiz	09	06/02/13	Malkapur
	Mahendi	14	07/02/13	Malkapur
	Science Exhibition	27	07/02/13	Malkapur
	Handy craft	23	07/02/13	Malkapur
	Rangoli	11	07/02/13	Malkapur
	Dance	60	08/02/13	Malkapur
	Drama	30	08/02/13	Malkapur
	Singing	06	09/02/13	Malkapur
	Fancy Dress	07	09/02/13	Malkapur
	One Man Show	02	09/02/13	Malkapur
	Musical Chair	60	09/02/13	Malkapur
	Potato Race	35	09/02/13	Malkapur
	Slow Cycle	32	09/02/13	Malkapur

	Three Legs	24	09/02/13	Malkapur
	Chess	08	09/02/13	Malkapur
	Cricket	66	09/02/13	Malkapur
	Volleyball	28	09/02/13	Malkapur
	Badminton	28	09/02/13	Malkapur
2013-14	Cricket	15	03/10/13 to 19/10/13	Malkapur
	Volleyball	12	14/09/13 to 18/09/13	Motala
	Chess	06	14/09/13 to 16/09/13	Barsitakli
	Ball-Badminton	01		Andhra Pradesh
	Music	08	26/09/13	Amravati
	One Act. Play	12	28/09/13	Amravati
	Mime	08	28/09/13	Amravati
	Painting	01	26/09/13	Amravati
	Poster Making	01	26/09/13	Amravati
	Skit	09	28/09/13	Amravati
	Mehendi	12	27/02/14	Malkapur
	Rangoli	06	27/02/14	Malkapur
	Handicraft	16	27/02/14	Malkapur
	Science Exhibition	27	27/02/14	Malkapur
	Science Quiz	09	26/01/14	Malkapur
	Debate	05	26/02/14	Malkapur
	Speech	08	26/02/14	Malkapur

	Competition			
	Drama	44	28/02/14	Malkapur
	Dance	101	28/02/14	Malkapur
	Singing	06	01/03/14	Malkapur
	One Man Show	10	01/03/14	Malkapur
	Fancy Dress	02	01/03/14	Malkapur
	Antakshari	16	01/03/14	Malkapur
	Three Legs	35	01/03/14	Malkapur
	Slow Cycle	40	01/03/14	Malkapur
	Potato Race	32	01/03/14	Malkapur
	Musical Chair	65	01/03/14	Malkapur
	Rassi Khech	55	01/03/14	Malkapur
	Chess	06	01/03/14	Malkapur
	Cricket	88	01/03/14	Malkapur
	Carom	08	01/03/14	Malkapur
	Disk throw	10	01/03/14	Malkapur
	Running	10	01/03/14	Malkapur
	Vollyball	60	01/03/14	Malkapur
	Ball-Badminton	28	01/03/14	Malkapur
	Shot put	08	01/03/14	Malkapur
	Science Exhibition		27/02/14	Malkapur
	Art Exhibition		27/02/14	Malkapur
	Mehendi		27/02/14	Malkapur
	Handicraft		27/02/14	Malkapur
	Rangoli		27/02/14	Malkapur
	Science Quiz		27/02/14	Malkapur

	Speech and Debate		27/02/14	Malkapur
	Group Dance		27/02/14	Malkapur
	Drama		27/02/14	Malkapur
	Musical Drama		27/02/14	
	Races		27/02/14	
	Group Dance		27/02/14	
	Drama		27/02/14	
	Duet Dance		27/02/14	
	Drama		27/02/14	
	Solo Dance		27/02/14	
	Group Dance		27/02/14	
	Antakshari		27/02/14	
	Singing		27/02/14	
	Fancy Dress		27/02/14	
	One Man Show		27/02/14	
	Musical Fishpond		27/02/14	
	Science Exhibition		28/02/14	
	Art Exhibition		28/02/14	
	Mehendi		28/02/14	
	Handicraft		28/02/14	
	Rangoli		28/02/14	
	Science Quiz		28/02/14	
	Speech and Debate		28/02/14	
	Group Dance		28/02/14	

	Drama		28/02/14	
	Musical Drama		28/02/14	
	Races		28/02/14	
	Group Dance		28/02/14	
	Drama		28/02/14	
	Duet Dance		28/02/14	
	Drama		28/02/14	
	Solo Dance		28/02/14	
	Group Dance		28/02/14	
	Antakshari		28/02/14	
	Singing		28/02/14	
	Fancy Dress		28/02/14	
	One Man Show		28/02/14	
	Musical Fishpond		28/02/14	

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.

➤ **Achievements in Sports:**

- Ku. Rani Rajesh Shukla participated in State level Badminton competition held at Chandrapur during 30/12/2011 to 01/01/2012 and then participated at National Level competition held at Hyderabad during 10/01/2012 to 13/01/2012
- Mr. Rupesh Rokade of this college represented India in the Asian game held at Japan in the power lifting competition during 05 to 09 December 2011.

- He represents Maharashtra State in the Junior National Power Lifting competition held at Kerala during 03/01/2011 to 06/01/2011.
- He also participated in the Senior National power lifting competition held at Delhi during 22/08/2011 to 27/08/2011.
- In the State level power lifting competition held at Nagpur during 03/07/2011 to 01/08/2011; 21/09/2011 to 22/09/2011 and 27/11/2011 to 28/11/2011, he secured first position consecutively in three tournaments.
- He represent the college at University level in intercollegiate power weight lifting competition held at Chikaldara in 85 kg and 99 kg weight categories held at Chikaldara and secured first position in both the events.
- Mr. Lalit Wagh represented the college in University level power lifting competition held at Buldana during 03/12/2012 to 06/12/2012 and secured First position and hence was selected in the University team, he then represent the SGBA University Amravati in the All India interuniversity power lifting competition held at Udaypur on 20/02/2013.
- He was honored as best player in the power lifting competition held at Bhuswal (Maharashtra).

➤ **Achievements in Co-curricular activities:**

- Ku. Priyanka Kharche of B.Sc. II has participated in University level intercollegiate Chemistry seminar competition held at Candur (Rly) on 31/01/2014 and secured first position.
- Ku. Monika Talreja of B.Sc. III has participated in University level intercollegiate Chemistry seminar competition held at Amravati on 11/02/14 and secured first position.

- Ku Wajeda Anjum Firoz Khan and Ku. Pooja Mahendrasingh Rajput has participated in University level intercollegiate Chemi Quiz 2014 held at Chandur Bajar on 07/03/2014 and secured consolation prize.

➤ **Achievements in Extra co-curricular activities:**

- Mr. Bhushan Bhoite of B.Sc. II was selected in National Pared at Mumbai during the session 26th Jan 2009.
- Ku. Nilakshi Moreshwar Deshpande of B.Sc. II was selected in National Pared at Mumbai during the session 26th Jan. 2012.

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 clearly seated and well defined mechanism obtaining the feedback from the students of the college. The Feedback is collected through teacher guardian meetings, direct contact meetings held by Principal, through suggestion box placed near the office, SRC meetings and teacher evaluation by students. Feedback is also taken openly from the final year students in the farewell function.
- The feedback from the alumnae is collected in the alumni meet. All the feedback is discussed in the staff meeting and positive suggestions are incorporated to improve performance and quality of institutional provision.
- Employer's feedback is taken in the regularly meeting of the Governing body, held at least twice in the session.
- The Management also conduct informal meeting with the Principal and staff and conveys their feeling and suggestions regarding improvement in overall performance of the college.

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.

List of the Publication by students

Year	College Magazine ZEP		Conferences	Jagar Janivancha	
	Poems	Articles	National/ International	poems	Articles
2010– 2011	07	05	----	----	----
2011-2012	18	05	12	----	----
2012-2013	34	06	04	01	01
2013-2014	17	12	----	----	----

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

- As per the norms of parent University and State Government, the students council is established every year comprising of Principal as Chairman, one senior staff member, NSS Co-coordinator, Director of sports, Topper's form each class in the previous examination, two girls student representative, one student representative from sports, cultural and NSS section.
- The students are selected on the merit basis. The student secretary of the college council elected from among the students representative. She/he represent the college in the University student council. Various programmes like Welcome function, Teacher day celebration, Festival

celebration, Annual social gathering, Science day celebration, Birth and Death anniversaries of great persons and farewell function.

- Funding for conduction of various programmes is provided by the college through the Professor In charge of SRC.

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

- To empower the personalities and development of responsible member of society, students are given responsibilities to work independently and with the team in various academic and administrative bodies. Here the table of different committees staff including students of 2013-14 are

➤ Student Representative Committee during 2013-2014:

S. No.	Name of Members	Class	Designation in Committee
1	Dr. B. B. Wankhade	Principal	Chairman
2	Prof. D.Y. Dhale	Asst. Prof.	Prof. In-charge
3	Prof. S.V. Borle	Asst. Prof.	NSS coordinator
4	Prof. V. S. Deole	Asst. Prof.	Director of Sport
5	Ku. Pooja Rajput	B.Sc. I	Student Representative of respective year
6	Mr. Ashish Umberkar	B.Sc. II	
7	Ku. Radhika Talreja	B.Sc. III	
8	Mr. Satish Damare	M.Sc. I	
9	Ku. Kanchan Ratnaparkhi	M.Sc. II	
10	Mr. Dnyaneshwar Kshirsagar	B.Sc. III	UR and Cultural representative

11	Mr. Amol Patil	B.Sc. III	NSS representative
12	Mr. Amol Ingle	B.Sc. II	Sport Representative
13	Ku. Pooja Ochhani	B.Sc. III	Ladies Representative
14	Ku. Neelam Sharma	B.sc. II	

➤ **Anti ragging Committee during 2013-2014:**

S. No.	Name of Members	Designation in Committee
1	Dr. B. B. Wankhade	Chairman
2	Prof. V. S. Deole	Member
3	Prof. S.V. Borle	Member
4	Dr. R.T. Parihar	Member
5	Adv. N.B. Dhoot	Member
6	Shri R.W. Umalkar	Member
7	Local Police Officer	Member
8	Shri S.G. Narkhede	Member
9	Shri S.N. Patil	Member
10	Liyakat Khan	Member
11	Ku. Neha K. Chandkai	Member

➤ **List of Association established during 2013-2014**

Subject	Name of Association	Committee Members
Chemistry	Chemistry Association	Teacher Shri. G.H. Kurhade (Lecturer) Ku. P. M. Mukund

		Mr. Furqan Khan Mr. V. B. Suralkar Students Mr. Ravindra D. Kshirsagar Mr. G. P. Sonone Mr. P. W. Patil Ku. D. P. Pachpande Mr. Adil Khan
Zoology and Botany	Life Science Association	Teacher Dr. C. M. Bharambe (zoology) Dr. Y. P. Patil (Botany) Students Mr. Dnyaneshwar Kshirsagar Mr. Arjun Dode Ku. Neha Rajput Ku. Kiran Rathi Mr. Sachin Sohani

➤ **Editorial board of College Magazine ZEP during 2013-2014:**

S. No.	Name of Members	Class	Section	Designation in Committee
1	Dr. B. B. Wakhade	Principal	Publisher	Chairman
2	Dr. Y.P. Patil	Assstt. Professor	Editor	Teacher Representative
3	Prof. S.E. Warkhede	Assstt. Professor	Editor	Teacher Representative
4	Ku. Neha Deshpande	B.Sc. II	Marathi	Student

				Representative
5	Ku. Poonam Varma	B.Sc. II	Hindi	Student Representative
6	Ku. Swati Ingle	B.Sc. II	English	Student Representative

➤ **Brand ambassador of election Committee during 2013-2014.**

S. No.	Name of Members	Class
1	Ku. Wajeda Anjum	B.Sc. II
2	Mr. Dnyaneshwar Kshrisagar	M.Sc. I

➤ **List of co-coordinators of various activities during 2013-2014:**

Name of Event	Name of Teacher Co-coordinators	Name of Student Co-coordinator
Drama	Dr. C. M. Bharambe	Ku. Neelam Sharma Ku. Namrata Wale
Musical Drama	Shri. G. H. Kurhade	Ku. Radhika Talreja Ku. Monika. Talreja Ku. Pooja Ochani
Dance	Shri. S. E. Warkhede	Ku. Urjita Chavan Ku. Vishaka Chavan Ku. Karishma Dipake Ku. Pooja Thonge Mr. Taufeeque Umar

		Mr. Nadeem Khan
Fancy Dress	Dr. R. T. Parihar	Ku. Sukanya Khadse Ku. Rajshri Mandawale Mr. Sachin Sohani Mr. Amol Bawane
Singing	Shri. S. K. Karande	Mr. D. Kshirsagar Mr. Sachin Sohani
One Man Show and Filler	Shri. S. K. Karande	Mr. Amol Ingle Mr. Rahul Chopade
Science Exhibition	Sau. V. N. Saoji	Ku. Neelam Sharma Ku. Namrata Wale
Art Exhibition	Sau. J. S. Kulkarni	Ku. Mayuri Patil Ku. Vasanti Tayde Ku. Divya Zanwar
Science Quiz	Dr. C. M. Bharambe Dr. Y. P. Patil	Ku. Pooja Sawle Ku. Vrushali Ingle
Debate	Dr. R. T. Parihar	Mr. D. Kshirsagar Mr. Sachin Sohani
Speech	Shri. S. K. Karande	Ku. Neelam Sharma Ku. Namrata Wale

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

- The college alumni committee holds the grand alumni-staff-students interaction programmes once in a session during annual social gathering period. The platform is provided to the alumni of the

college to perform the culture activities and also to share their views with alumni-students, former and current faculty of the college.

CRITERIA VI: GOVERNANCE, LEADERSHIP & 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.?

Mission Statement:

We are committed to quality education, empowering personalities and development of responsible members of the society.

Goals:

- To impart quality based higher education in science for rural based society.
- To develop scientific approach, humanism, spirit of enquiry and reform in the youth of society.
- Utilization of acquired knowledge in problem-solving of the society.
- Development of various basic skills among the students so as to become independent members of the society.
- To provide platform for the development of physical, mental and moral strength through sport, extension and co-curricular activities.
- To attain community and social development through the optimum use of infrastructure facilities of the institution.
- To streamline the exuberance of youth for the sake of nation building.
- To acquaint the students with technological advances to keep pace with the development in science and technology.

The Mission and Goals of the Institution are communicated to the students, teachers staff and stakeholders through the college prospectus, display on the main entrance of the college and display on the college website.

a) Higher education policies of the nation and mission statement of the institution: The national policies aim to promote national progress, a sense of common citizenship and culture and to strengthen national integration. To fulfill this aim, Government of India had set the goal. Some of the objectives mentions in the NPHE are listed below:

- To improve the quality of higher education at all stages.
- To pay more attention to science and technology.
- To enhance cultivation of moral value.
- Assessment of education of comparable quality to all students irrespective of caste, creed or sex.
- To provide educational facility of all section of society including women, SC, ST, educationally backward section, minorities, physically disabled etc.
- To give an opportunities of higher and knowledge based education to youth, housewives, agricultural and industrial workers etc.

In the recommendation of National knowledge commission chaired by Mr. Sam Pitroda, attention is given on knowledge based education, sustainable development, moral education, application of knowledge to society and delivery of services.

The mission statement and goal of our institute are almost in tune with the objectives of the higher education policies of India.

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

The Vidnyan Mahavidyalaya is run by GauriShankar Seva Samiti Malkapur. As per the norms of state Government and Parent University, the local managing committee (Governing Body) is established. Management plays an important role in implementing special activities of social relevance and financial help. As per the norm, local managing committee includes chairman, secretary, member of society, three other members from various fields nominated by the society, principal of the college, three teaching faculty members and one non-teaching staff member. Two meeting are conducted during each academic session. The local managing committee design the plan for recruitment of staff, introduction of new courses, teaching methods, quality of teaching and learning process, purchases etc..

The Principal, HOD's and Professor in-charge are responsible for implementation of policies regarding academic and financial part. The various committee and cells like IQAC, purchase, are declared every year at the beginning of session. The follow up is taken in the next coming meeting.

As per the norms, staff council is formed meeting including Principal as chairman, staff secretary elected from the staff and all confirm staff members. This staff council gives suggestion regarding batch wise strength, syllabus coverage, time table, along with problems and rights of the teaching staff.

6.1.3 What is the involvement of the leadership in ensuring :

a) The policy statements and action plans for fulfillment of the stated Mission

Policy statement and action plan:

1. Quality education :
 - Only one faculty as science.

- Students are admitted according to merit list among all type of students.
- Performance of students is regularly evaluated.
- Focus on how to improve performance of student. For that remedial coaching, various program of skill and personality development, moral education functions, various responsibilities in cultural, academic, sport, administration, extension etc. are conducted

b) Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

PORT FOLO 2013-2014

Sr.No.	Name of the Committee		Staff members
01.	Staff Council		Prof. Y.D. Patil
02.	S.R.C.		Prof. D.Y.Dhale
03.	QAC (NAAC)		Prof.S.K.Karande
04.	N.S.S./Extension Campus Development		Prof.S.V.Borle
05.	Student Activities	1) Cultural	Prof.D.Y.Dhale
		2) Academic	Prof.G.H.Kurhade
06.	Time Table		Prof.Sau.V.N.Saoji
07.	Discipline		Prof.V.S.Deole
			Dr.R.T.Parihar
	T. G. Scheme Co-ordinaters		1. Prof.S.K.Karande

08.			2.Dr.R.T.Parihar
			3. Prof.S.V.Borle
			4.Prof.Sau.V.N.Saoji
09.	Career Counseling Cell		Dr.C.M.Bharambe
10.	Admission	B.Sc. I Bio. Group	Dr.C.M.Bharambe
		B.Sc. I Math Group	Prof.D.Y.Dhale
		M.Sc. I Chemistry	Dr. R. T. Parihar
11.	College Exam.		Prof.Y.D.Patil
12.	Environmental Studies		Prof.A.J.Rathi
13.	Alumni Association		Prof.G.H.Kurhade
			Shri.P.G.Kolte
14.	Magazine		Dr.Y.P.Patil
15.	Staff Related Activities		Dr.R.T.Parihar
			Shri.B.A.Sawale
16.	Excursion		All Head of the Departments
17.	Sports		Prof.V.S.Deole
			Sau.S.V.Bharambe
18.	Library		Dr.Y.P.Patil

		Ku. J.S.Shukla
19.	Feedback (Proforma /Analysis)	Prof.D.Y.Dhale
20.	COP	Dr.Y.P.Patil
21.	Poor Student Welfare Scheme	Prof.S.V.Borle
		Prof.G.H.Kurhade
		Shri.M.W.Kolte
22.	PRO/Photography	Shri.S.G.Narkhede
		Shri.U.V.Shinde
23.	Grievances (Students and Staff)	Prof.Sau.V.N.Saoji
		Prof.S.V.Borle
		Dr.C.M.Bharmabe
		Shri.S.G.Narkhede
24.	Purchase	All Head's & S.G.Narkhede

c) Interaction with stakeholders

Management and Staff :

- **Meeting of LMC and informal meeting :** The college has local managing committee which comprises Board of directors, Principal, Senior teacher, and Non-teaching.

Two meetings are held during every session in which staff members and stakeholders discuss issues of the institution.

- **Parent, Management and Staff :** The parents, management and faculty members meet in the college premises every year to discuss the current status and improvement and prospective plan of the institution
- **Alumni :** The college has established alumni association committee which perform activities of the alumni and organize programmes during the annual social gathering and give their suggestion for improvement in the institution.
- **Students:** They are the backbone of the institution and are interacts with stakeholders, experts from different fields.

d) Proper support for policy and planning through need analysis

research inputs and consultations with the stakeholders

Feedback from parent, students and peers : Feedbacks from parent's students and peers are collected during their meet and their feed backs read carefully and forwarded towards management of the institution to implements in the future plan of education in the college.

e) Reinforcing the culture of excellence

Conduction of Seminar:

- Felicitation of meritorious students for motivation
- Sending students for exposure

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 college has complete autonomy to govern the institution within the purview of the rules and regulation framed by the affiliating University, State Government and UGC.

- In the beginning of the academic year, a planning exercise is conducted for the staff by IQAC for the distribution of responsibilities.
- The committees are formed in consultation with respective faculty in staff council of the college.
- The committees carry out the activities and at the end of the academic year. And submit the report to the Head of the institution.

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

1. To provide seed money to faculty to participate in conferences
2. To promote to get higher education (Ph.D or M.Phil.)
3. To provide facilities to work on various research projects funded by agencies like UGC.
4. To create and develop a healthy atmosphere to increase effectiveness in teaching and learning process.

6.1.6 How does the college groom leadership at various levels?

- The college is always motivating and supportive in the involvement of the teaching and nonteaching staff in the improvement of the effectiveness and efficiency of the institutional processes.
 - Institution is known for effective teaching within stipulated time.
 - Advanced lab instruments and teaching aids are made available.
 - Staff is motivated to involve in research, extension and co-curricular activities giving emphasis on socialistic aspects also.
 - Students achieve high rank in various activities like seminar, science quiz, essay competition, debate competition and sports activities.

- Alumni of this college are in the good position at various levels in the various fields.
- College encourages students by appearing them as student representatives in various committees so that leadership should grab among them.

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?

1. HOD is sole authority for co-ordination and motivating the academic work. He / She is responsible for distribution of workload.
2. The Head's of various departments has autonomy to purchase required laboratory material for their department from the enlisted firms with prescribe purchase policy.
3. The books recommended by the department are purchased for central library.
4. Each department has autonomy to choose curricular activities like excursion tours, group discussion, seminar, industrial visit etc.
5. HOD's involves in selection committees as members at the time of recruitment of staff of their subject.
6. Department have authority to change in departmental time table.
7. The college has been always encouraging and supporting to the involvement of the staff in the improvement of the effectiveness and efficiency of the institutional process.

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

Local Management Committee: - Governing body is constituted including management members, experts from various fields, head of institution, faculty and nonteaching staff.

Student Representative Committee: - SRC includes head of the institution, senior teacher, teacher from sports, teacher from extension activity, students with excellence in academic, extension, cultural and sports activities along with ladies representatives.

Grievance Committee: - Staff grievance committee includes head of the institution faculty members and nonteaching staff.

Student grievance committee includes head of the institution, senior teacher and students.

Women Sexual Harassment Prevention Committee: It includes the senior lady teacher as a chairman, ladies lawyer, ladies socialist, senior teacher and girls students.

Magazine Committee: - Editorial board includes staff and students.

Departmental Association: - It consists of topper students and subject teachers.

6.2. Strategy Development and Deployment

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

Yes.

The aim of the college is to impart quality education in science stream. The centre of activity of the college around quality teaching. The policies on quality are decided in the appropriate bodies like LMC, Staff Council etc.

The policies are discussed in the staff meeting. Those are reviewed by various ways including checking daily diary after every week by head of the department and after every month by head of the institution.

The university examination results are discussed in various meeting including management members and staff.

The IQAC is established and it ensures the quality policy development and deployment.

The planning board of the college is established as per UGC norms which decides planning for the utilization funds to be received from UGC and utilized for quality books, equipments, competence building etc.

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

- As per the provision of the Maharashtra university act, local managing committee is constituted consisting of chairman, secretary, three local members, representing from different fields of the area, three teachers, one nonteaching employee, one representative of management and principal as a member secretary.
- The committee prepares the budget and recommends to the management for the creation of teaching and other posts, determine the programme of instruction and internal evaluation, discuss progress of studies in the college and recommends management for improvement of standards of teaching in the college and advice to the principal regarding intake, capacity, workload and other related matters time to time.
- Perspective plan and its execution are discussed in local managing body (Governing body). The yearly plans and academic calendar are also discussed in the staff council meeting and recommendations and

suggestion are made available while designing the perspective plan of the institution.

Perspective plan (1 and 3Years)

➤ **Short term perspective plan in one year:**

- Ph.D. Course in Zoology.
- PG course in Computer science.
- DMLT Course of DMLT.
- Research Projects

➤ **Long term perspective plan in 3 years**

- Library building
- New Section
- Seminar Hall

6.2.3 Describe the internal organizational structure and decision making processes.

- As per the provision of Maharashtra Government Act, Governing body that is local managing committee is constituted. This committee prepare budget, recommends the creation of teaching and nonteaching post and decides overall progress policies of the college.
- The principal is head of the institution and is responsible for implementation of policies decided in the governing body.
- The departmental policies are executed through head of the department. For various programme like SRC, NSS, Sports, career counseling etc.
- The portfolios are distributed to the responsible staff members.
- The students are also involve in the organizational structure and decision making processes by including their representation in

SRC, departmental association, grievance committee, college magazine, sports committee, cultural committee, ant-ragging committee.

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

➤ Teaching & Learning

The teaching plans are prepared at the beginning of the session. The teaching plans are reviewed by the head of the department. The teaching plans are made open to the students. The probable dates of completion of particular topic/unit are known to the students, so that they are prepared for the tests conducted at completion of each unit. The staff member meets frequently to discuss on teaching method improvement. The staff members are motivated to use advance tools in teaching and learning.

➤ Research & Development

The college is included in 12b section of UGC and is entitled to receive grants for research and development from UGC. The staff members are encouraged to apply for funding for various research projects.

➤ Community engagement

The staff members are engaged in various community programmes like awareness camp, national programmes. The special committees established for extension activities conducts residential camps, awareness camp, blood donation camp, tree plantation, AIDS awareness, gender equanimity programme, health and hygiene awareness, adult literacy, environmental awareness, medical camp, social work etc.

➤ **Human resource management**

Institute organizes various personality development and skill development programmes and trainings for both faculty members and students. Subject experts from different fields are invited to motivate faculty members and students in new emerging trends in various disciplines.

➤ **Industry interaction**

Along with the students faculty members visited to nearby industries during each year.

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?

- Academic diary of the teacher
- Teacher guardian record (class coordinator)
- Suggestion box
- Staff council meeting
- Occasional staff meeting
- Feedback from the students
- Feedback from the staff (individual)
- Involvement of staff, Head of the department, Head of the institution and management for complete transparency in purchase
- Personal contact
- Visit to the various department and various classroom
- Note sheet to the management (secretary/chairman of running society), joint accounts of principal with management authorities.

- Through meetings: LMC, Staff Council, SRC, etc.
- Activity reports at the end of session.
- Performance appraisal reports.

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

- Informal management, Head of the institution and Staff meeting.
- Appreciation letters for good result / Warning for poor result.
- Providing fund for research paper presentation.
- Participation of staff in the decision making in governing body (LMC), building committee, planning board, academic calendar

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

All the resolutions of LMC implemented in the college development.

विषय क्र. 2 कु. शुक्ला (सौ. जे. एस. कुळकर्णी) ग्रंथपाल यांच्या वाढीक वेतन मांडीबाबत	ठराव क्र. 2 विषयानुसार चर्चा झाली असता महाविद्यालयाचे कार्यरत (कु. जे. एस. शुक्ला) सौ. जे. एस. कुळकर्णी यांना त्यांच्या नियुक्ती दिनांकापासून आजपर्यंतच्या वेतनवाढी दिलेल्या नाहीत ह्या वेतन वाढी देण्याचा प्रस्ताव सभेसमोर आला असता त्यांना त्यांच्या मुळ नियुक्ती दिनांकापासून वेतनवाढी देऊन त्यांचा वेतन निस्सीतीक प्रस्ताव मा. सहसंचालक कार्यालय यांचेकडे पाठविण्यास ही सभा मंजुराव देव आहे ठराव सर्वानुमते मंजूर सुचक : - श्री गोविंद बाहेली अनुमोदक : - श्री रमेश उमाळकर
विषय क्र. 3 सन 2018-19 च्या अंदाजपत्रकाबाबत	ठराव क्र. 3 विषयानुसार चर्चा झाली असता 2018-19 चे महाविद्यालयाचे अंदाजपत्रक सभेसमोर ठेवण्यात आले. अंदाजपत्रकामध्ये शुजीया अनुदान व नफ्या हक्काबाबत विस्तृत चर्चा होऊन या अंदाजपत्रकाच्या मान्यता देण्यात आली. ठराव सर्वानुमते मंजूर सुचक : - श्री गोविंद बाहेली

विज्ञान महाविद्यालयाच्या स्थानीय व्यवस्थापन समितीची सभा दि. 10/06/2014 रोजी महाविद्यालयाच्या कार्यालयात दुपारी 3.00 वाजता व्यवस्थापन समितीचे अध्यक्ष मा. दत्ताभाउ महाजन यांचे अध्यक्षतेखाली खालील संचालकाचे उपस्थितीत चर्चा होऊन संपन्न झाली. 1) श्री दत्ताभाउ महाजन 2) डॉ. पी. जी. मोहता 3) श्री गोविंद बाहेली 4) श्री अनंतशिव सराफ 5) श्री कसंतराव शिंदे 6) श्री रमेश उमाळकर 7) डॉ. सी. एम. मारंबे 8) प्रा. डॉ. वाय. डाले 9) प्रा. जी. एस. कुडाडे 10) श्री पी. जी. कांबले 11) डॉ. बी. बी. वानखडे	ठराव क्र. 1 विषयानुसार चर्चा झाली असता मधील सभेचे कार्यवृत्त सभेसमोर वाचून दाखविण्यात आले त्यावर योग्य ती चर्चा होऊन त्याला रितसर मान्यता देण्यात आली सभेचे सभेच्या पुढील कार्यवाहीला मा. अध्यक्ष यांच्या अनुमतीने सुरुवात करण्यात आली.
विषय क्र. 9 मागील सभेचे कार्यवृत्त वाचून कायम करणे बाबत	ठराव क्र. 9 विषयानुसार चर्चा झाली असता मधील सभेचे कार्यवृत्त सभेसमोर वाचून दाखविण्यात आले त्यावर योग्य ती चर्चा होऊन त्याला रितसर मान्यता देण्यात आली सभेचे सभेच्या पुढील कार्यवाहीला मा. अध्यक्ष यांच्या अनुमतीने सुरुवात करण्यात आली.

विषय क्र. ४
बी.डी.सी.सी. बॅकेतील
महाविद्यालयाच्या वचन
खात्याबाबत

ठराव क्र. ४ 03
विषयानुसार चर्चा झाली असता
बी.डी.सी.सी. बॅंक शाखा,
मलकापूर येथे महाविद्यालयाचे
वचन खाते क्र. ३२९२८ हे
असून त्या खात्यामध्ये बी.एस.सी.
संगणकशास्त्र या विषयाला
अनुदान मिळाल्यामुळे विनाअनुदान
विषयाच्या खात्यातील व्यवहार
बंद असून त्याकरीता तारीख
क्रमांकाचे महाविद्यालयाचे खाते
बंद करून त्यामध्ये असलेल्या
संपूर्ण रक्कम महाविद्यालयाच्या
वेतनेतर खात्यामध्ये जमा
करव्यास ही सभा मंजुरात
देत आहे.

ठराव सर्वानुमते मंजूर
सुचक : - श्री. कसंतराव शिंदे
अनुमोदक : - डॉ. सी. एम. भारखे.

विषय क्र. ५
शिक्षक कर्मचाऱ्यांच्या
रिक्त जागा भरणेबाबत

ठराव क्र. ५
विषयानुसार चर्चा झाली
असता महाविद्यालयात
शिक्षक कर्मचाऱ्यांच्या रिक्त
असलेल्या जागांसाठी रोखर
रजिटर प्रमाणित करून जाहीरात
प्रसिद्ध करण्यासाठी ही सभा
मंजुरात देत आहे.

ठराव सर्वानुमते मंजूर

मा. अध्यक्षांच्या परवानगीने सभा समाप्त झाल्याची
घोषणा प्रचार्यांनी केली व सर्वांचे आभार मानले.

Bhaskarade

प्राचार्य

विज्ञान महाविद्यालय,
मलकापूर, जि. बुलडाणा.

Dr. Mahadevi

अध्यक्ष

गौरीशंकर सेवा समिती,
मलकापूर, जि. बुलडाणा.

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.

Our institution yet not applied.

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?

- There are separate grievance committees for staff, students in general and women comprising of principal, staff members, students, lawyers, social activists etc.

- **Students and Staff Grievance Committee:**

S. No.	Name of Members	Post
1	Dr. B. B. Wankhade (Principal)	Chairman
2	Sau. V. N. Saoji	Member
3	Shri. S. V. Borle	Member
4	Dr. C. M. Bharambe	Member
5	Shri. S. G. Narkhede	Member

- **Women Sexual Harassment Prevention Committee:**

Constitution of Grievance Committee as per code of conduct of Sant Gadgebaba Amravati University Amravati.

(July–2012 to June –2014)

S.No.	Name of Members	Post	Representatives
1	Sau. V. N. Saoji	Chairperson	Senior most woman Teacher
2	Ku. J. S. Kulkarni	Member Secretary	Female member on Teaching Side
3	Shri. S. V. Borle	Member	Male member on Teaching Side
4	Shri. Y. D. Patil	Member	Male member on Teaching Side
5	Mrs. V.N.Bhadgaonkar	Member	Female member on Teaching Side
6	Ku. P.M.Mukund	Member	Female member on Teaching Side
7	Mrs. J. G. Soman	Member	Lady Lawyer
8	Mrs.P.M.Saoji	Member	N.G.O. Member
9	Ku. P.A.Kharche	Member	Female Student

• **Student Representative Committee (SRC):**

S.No.	Name of Members	Post
1	Dr. B. B. Wankhade	Chairman
2	Shri. D. Y. Dhale	Prof. Incharge
3	Shri. S. V. Borle	NSS Coordinator
4	Shri. V. S. Deole	Director of Sports
5	Ku. Pooja Rajput	B.Sc.I Representative
6	Mr. Ashish Umbarkar	B.Sc.II Representative

7	Ku. Radhika Talreja	B.Sc.III Representative
8	Mr. Satish Damre	M.Sc.I Representative
9	Ku. Kanchan Ratnaparkhi	M.Sc.II Representative
10	Mr.Dnyneshwar Kshirsagar	Cultural Representative
11	Mr. Amol Patil	NSS Representative
12	Mr. Amol Ingle	Sports Representative
13	Ku. Pooja Ochhani	Ladies Representative
14	Ku. Neelam Sharma	Ladies Representative

• **Antiraging Committee**

S. No.	Name of Members	Profession	Designation in Committee
1	Dr. B. B. Wankhade	Principal	Chairman
2	Shri R.W. Umalkar	Reporter	Member
3	Adv. N.B. Dhoot	Lawyer	Member
4	Shri. Sapkale API	Police officer	Member
5	Shri S.N. Patil	NGO	Member
6	Prof. S.V. Borle	NSS coordinator	Member
7	Prof. V. S. Deole	DPE	Member
8	Dr. R.T. Parihar	Asstt. Prof.	Member
9	Mr. Liyakat Khan	Parent	Member
10	Shri S.G. Narkhede	Head Clerk	Member
11	Ku. Neha K. Chandkai	Fresh Student	Member

- Apart from this students can reach to the head of the institution through suggestion box. Further the students can meet any time in the college campus to their teacher counselors to sort out their problems.

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, there is no court case filed by or against the institute.

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

- Yes.
 - The student feedback is collected by various ways such as
- **Welcome and Farewell Function:**

The welcome function is arranged at the beginning of the session and farewell function at the end of session every year. Students are permitted to give their suggestions. The suggestions are noted and appropriate decision are taken time to time on the positive suggestions.
- **Suggestion Box:**

The student's feedback can directly reach to the head of institution through suggestion box. The suggestion like water problem, cleaning of classroom, electricity problem etc. are sorted by this mechanism.
- **Contact Meetings:**

Head of the institution, HOD's and teachers counselors meet the students frequently and collect the feedback regarding syllabus coverage, understanding, career opportunities and other problems.

The points of feedback are discussed in the meetings of HOD's and staff along with the principal and problems are sorted at appropriate levels.

➤ **Student Representative Committee (SRC) Meetings**

As per the provision of university and government of Maharashtra, the student representative council is established every year. The student representative collect feedback from the student and put it in the SRC meeting. After discussion the decision are taken and convey to the students to their representatives.

➤ **Teacher Evaluation by Student:**

The teacher performance is evaluated by the student. The students feedback is analyzed by the teacher concern and is discussed with the head of institution.

6.3 Faculty Empowerment Strategies

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

➤ **The faculty members are motivated for perusing research work**

- As the college is included in the UGC's list of 2f and 12B, faculty members can do research work for minor and major research project. Three staff members avail this facility.
- Faculty members are motivated for attending and representing the seminar, conferences and workshop at various level. The registration fee is provided to the faculty as award for the selection of their research paper for presentation.
- Study leaves are given to the staff for M.Phil and Ph.D. Work.

- Laboratory and Library facility are made available to the faculty for their research work.
- Concession of Rs. 2000/- is given to the faculty on regular basis for the laboratory fee for research work (Ph.D).
- Teaching staff are motivated to research work and publish their research paper. Outcome of it is award of Ph.D. degree to the staff member, submission of Ph.D. thesis by the staff member. Registration for Ph.D. of three staff members. Award of M.Phil degree to three staff member. Completion of three minor research project and publication of research papers.

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?

Teaching staff is motivated to participate in workshops, seminar and conferences at various levels. Teaching staff is also motivated to participate in refresher, orientation, short-term and training programme. The programme are arranged for the teaching and nonteaching staff like soft skill development, computer awareness etc.

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.

- As per recommendation of UGC regarding standards of higher education, the self appraisal proforma is prepared. The teachers themselves submit their performance appraisal form to the head of the institution through respective head of the department. As per the norms the teaching, research and extension work of the teacher is evaluated by

themselves first and then checked by head of the institution. If there is any lacuna in the work of the teacher, it is communicated to the teacher concern.

- The academic work of the teacher in the form of result of the paper taught by him is taken on the record in the staff meeting. Reasons for poor results and measures for good result are discussed. Staff members are motivated to to adopt good practices in teaching learning process. Extra period are taken at early stages of the session.
- Evaluation of nonteaching staff by HOD and head clerk and by head of institution.
- Evaluation of staff by the student.
- Evaluation of principal by the staff and student.

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 performance appraisal report is reviewed by head of the department and head of the institution at the end of the each session.
- The adverse remark if any are communicated to the staff concern for improvement.
- On the basis of performance in the assessment period the teacher are placed in the higher place in accordance with career advancement scheme.

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?

- Birthday of each staff is celebrated by offering him bouquet and giving best wishes for their good health and prosperity.
- Group policy of LIC India
- Medical reimbursement
 - Six staff members avail this facility. The amount of Rs. 1,53,716/- is being reimbursement during last five years.
- Short picnic tours are arranged for staff. Ex. Gorakhnath, Manudevi, Omkareshwar etc.
- Guarantee of deduction for the personal and home loans.
- Funds are given to present research paper in conferences. Amount of Rs. 11922/- is granted towards this category during last five years.
- Training like use of computers, networking, communication etc. are arranged with free of cost.
- Free asses of network through UGC network resource centre are available since last six years.
- Staff members are felicitated in the programme for their achievement like completion of M.Phil, award of Ph.D degree etc.
- Dinner function arranged for the staff.
- Software training programmes, Office automation and library automation for office and library staff.

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

The staff members are recruited as per the norms of Maharashtra government and rules of Sant Gadgebaba Amravati University. The post for recruitment is sanctioned by director of higher education and by Sant Gadgebaba Amravati University. The roster checked and passed by BCUD

cell of Sant Gadgebaba Amravati University and commissioner office Amravati. For the vacant fulltime post, the draft of advertisement is sanctioned by Sant Gadgebaba Amravati University. It is then published in at least two newspapers out of which are of State level and local level. Selection committee is constituted as per Maharashtra university act. The teachers are first reemitted probation by signing the agreement. The services are confirmed after satisfactory probation period.

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 salary grand is deposited in the Nationalized Bank and then credited to individual staff members account.
- The non salary grand and fees are deposited to non salary grand account and the expenses are taken care by the account section and the principal in accordance with the budgetary provision.
- The draft budget is prepared at the beginning of the academic year taking into consideration the financial requirement of each department and the general development plans with the approval of governing body (LMC).
- For purchases, the quotation are called from the register firms, after preparing comparative statement under the supervision of purchase committee and approved by the Head of the institution, the orders are placed to the firms those quoted lowest prizes.
- Payment is made through only demand draft and cheque only.
- The UGC grants are utilized according to the norms. The planning board of the institute takes care of the proposals and utilization of UGC fund for appropriate head.

- Record of every transaction is maintained in the authentic register.

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.

➤ Yes.

- Internal audit is done at the end of each session by an internal auditor Mr. Dharngaonkar (C.A.), Malkapur, date of last internal audit is 12th Jun. 2014
- The finance and account operation of the college are externally audited by senior auditor deputed by joint director of higher education Amravati. Date of last external audit is 09th Dec. 2012.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

Audited income and expenditure statement of academic and administrative activities of the last four years is attached as per Annexure.

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

The sources of additional funding are UGC grant and donation by the stakeholders.

The UGC funds are utilized according to the norms of the UGC for prescribe head only.

The other funds are utilized for the development of institution.

6.5. Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a) Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

➤ Yes.

- The IQAC is established on 06/10/2004. The committee comprises of following members.

Sr. No.	Name	Post	Representatives
1	Dr. B. B. Wankhade	Chairperson	Head of Institution
2	Shri. D. G. Mahajan	Member	Management
3	Dr. P. G. Mohata	Member	Management
4	Dr. A. W. Kolte	Member	Local Society
5	Shri. P. N. Deshmukh	Member	Local Society
6	Shri. S. K. Karande	Member	Asstt. Prof.
7	Shri. S. K. Karande	Member, Co-coordinator (from 2004 to 2013)	Asstt. Prof.
8	Shri. S. K. Karande	Member	Asstt. Prof.
9	Sau. V. N. Saoji	Member	Asstt. Prof.
10	Shri. Y. D. Patil	Member	Asstt. Prof.
11	Shri. A. J. Rathi	Member	Asstt. Prof.
12	Dr. C. M. Bharambe	Member, Co-coordinator (from 2014 and onward)	Asstt. Prof.

13	Shri. G. H. Kurhade	Member	Asstt. Prof.
14	Shri. V. S. Deole	Member	Asstt. Prof.
15	Shri. S. G. Narkhede	Member	Head Clerk Office Admin.

IQAC contributes in the educational quality enhancement of the college. It takes revived on feeding at entry level, progress of the students, teaching and learning processes and output like university result and its analysis.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

- Almost all discussion of IQAC have been approved and were actually implemented. Some implementations are as fallows.
 - Advanced laboratory instruments and teaching aids are purchased.
 - Research planning board is established and active during each academic session.
 - Various MRP projects funded by UGC were completed.
 - Career oriented programs like water quality and soil testing were started funded by UGC.
 - The number of books and teaching aids suggested in the IQAC meeting were purchased.
 - Diploma in Medical Laboratory Technology course affiliated to YCMOU, Nasik is started.
 - Post graduated course in the subject chemistry, started
 - Some teacher acquired research qualification like M.Phil and Ph.D.

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

➤ NO

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

Feedback from the students and alumni of the college is collected. Positive suggestions are discussed in the IQAC meeting and discussions are forwarded to higher authorities.

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

The composition of IQAC comprised with faculty member of various departments and a member from account section. The decisions taken in IQAC are communicated to the staff in their regular meeting.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalisation.

Yes.

The institutions have an integrated framework for quality assurance of academic and administrative activities. Academic calendar and yearly planner is prepared at the beginning of the session. It is distributed to all departments according to the planner; staff members prepared the teaching plan in consultation with HOD. Academic diary is maintained by each staff. It is verified by the HOD and the principal.

The portfolios are distributed amongst the staff members regarding extra- curricular, co-curricular, extension, cultural and sports activities.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.

Yes.

The staff members are permitted to complete refresher and orientation courses. They also motivated to attend short term courses and workshop at various places and various levels in the concern subject.

The workshop like soft skill development personality development for teaching and non-teaching are arranged in the college.

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?

- Academic diary is maintained by the individual staff. It includes teaching plan, daily work, periods engage, teaching load, result analysis, sessional test record and of all other activities. It is being revived by HOD and the principal.
- Self appraisal performance are submitted mentioning academic activities on the basis of appraisal report confidential report are prepared the lacunae if any is to communicated to the staff concern.

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

The institutional internal quality assurance mechanism is aligned with Sant Gadgbaba Amaravti University, Amravati, State Government of Maharashtra and UGC, are the external quality assurance agencies and regulatory authorities.

The mechanism of IQAC of the college is aligned with these quality assurance agencies and regularity authorities.

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 teaching learning and evaluation process is continuously revived by HOD and monthly revived by the principal.

The subject wise result is analyzed and is discussed in the staff and HOD meetings. The appreciation letter given to the staff for their excellence result in their subject taught. The explanation is call from the subject teacher for very poor result. The result is also discussed in the governing body meeting and appropriate decision are taken and communicated to the concern for improvement.

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

- The college has formulated several committees viz Curricular, Examination, co-Curricular and Extracurricular committee that aim at enhancing the quality of teaching learning assessment and skill development across the institution.

- IQAR is prepared by IQAC at the end of each session and it is send to the NAAC.
- The report is also submitted to affiliating University and State Government time to time as and when asked.
- The progress of the institution is communicated to it stakeholder like management, staffs, students and alumni in their meetings.

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?

The college has an internal green audit system to maintain clean and green campus. The variety of trees like Saptapani, Neem, Banyan, Seasm etc is planted in the campus to increase the carbon credit. Casurina are also planted to reduce the all pollution particularly by SPM (suspended particulate matters) and cotton threads. Royal palm; Ficus, Lily are planted for the decorative purpose.

Students are motivated to plant the trees in monsoon season and to take care of campus greenery.

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

- ❖ **Energy conservation:** Class room s and laboratories are constructed to provide maximum ventilation to minimize the use of fans and tube lights during teaching learning processes. The students and staff take responsibilities to put off fans after completion of classes and laboratories.
- ❖ **Water harvesting:** The roof water in rainy season is collected and is allows to percolate in the soil near the well to increase water level of the water resources of the campus.
- ❖ **Efforts for Carbon neutrality:** Well known carbon crediting trees like Saptparni, Neem and Banyan tree are planted in the campus.

- ❖ **Hazardous Waste Management:** There is hazard waste from chemistry laboratory only. The solid hazards waste is incinerated in the chamber.

The hazards liquid waste is passed through soak pit before its disposal in the municipal drainage system.

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.

1. **Fostering global competencies:** Global competencies involve effective communicating skill inter personal skill, leadership qualities and being a good team player. The following initiatives have been taken to foster the global competency among students.

a) Program for soft skill development: Soft skills are inherent but not generated. Soft skill plays very important role in the global competition. For soft skill development programmes are arranged separately for staff, students and citizens.

b) Inculcation of the civil responsibilities: To inculcate the civil responsibilities among the students through celebration of various days. For example Teacher Day, Sport Day, Science Day, Independence Day, Republic Day, Dahihandi, Ganesh festival are celebrated in the campus.

Welcome and Farewell function are arranged every year. Birth and Death anniversary of great personalities are also celebrated.

The student and staff actively participated in the National programme like AIDS awareness, Pulse-Polio, Tree plantation, Cleanliness programme.

c) Leadership development: To develop the leadership among the student, various council and associations are established.

i) SRC: As per the norms of regulatory bodies student representative council is established at the beginning of every year. It includes students with excellence in academic, cultural and sports activities. It takes responsibilities to conduct various student oriented programme through session. One of the student elected by student representative represent college in the university student council.

ii) Annual Social Gathering: Every year the annual social gathering is celebrated. The activities of the gathering are so chosen that almost all students are included in the prize winning list. The activities are Science Exhibition, Science Quiz, Poster Competition, Essay Competition, Debate, Extempore, Drama, Dance, Mime, Singing, One Man Show, Fancy Dress, Pass to Pass, Anand Melawa, Musical Fishpond, Staff programme.

In sport apart from popular games like Kabadi, Volleyball, Ball Badminton, Carom, Chess, Cricket, other games like Potato Race, Slow Cycling, Musical Chair, Tug of War, are also included.

iii) Associations: Various subject wise associations are form at the beginning of each session. The students having more imitativeness and leadership are given responsibilities of associations like president, secretary and members. These associations take responsibility to conduct various programmes including seminar competition, invited talk, poster competition, article competition etc.

d) Women empowerment: In the college about 75% girls are enrolled. They are all from different locality and different socio-culture environment. For gender equality various porgrammes like street play, debate, essay competition, poet competition, poster competition, survey on opinion of local people are arranged.

As per norms women anti harassment cell is active in the college. Special programmes like sexual problem in women, security of women, awareness rally are arranged

The college campus is declared as mobile free zone. The students are not allowed to use their mobiles in the campus.

- e) **Study tour:** To enhance teaching and learning process, excursion tour and industrial visit are organized during each semester of the every academic session.
- f) **Remedial coaching classes for educationally backward SC, ST, OBC and minorities:** To cope up with pace in curriculum of the poor performers, the remedial coaching classes are arranged by faculty members. This remedial coaching classes and its requirement furnished and funded by the UGC under the assistant remedial coaching scheme.

Among the total enrollment of student 75.39% of the students get benefits during the XIth plan of UGC.

- g) **Career counseling:** As per the need of 21st century to obtain higher position in various field, the career counseling cell established in the college. This cell takes initiation in student motivation, employment and opportunities, MPSC/UPSC examination guidance, communication skill, placement through various consultancies and companies.
- h) **Teacher Guardian Scheme:** In the TGS group of 15 to 20 students are allotted to every faculty member as a guardian teacher. The students performance through the session is recorded by the TGS. If found necessary the parent of poor performer are called to sort out their difficulties if any to enhance performance of the student.

- i) **Poor student welfare scheme (PSWS):** Financially very poor students are selected. The students are adopted by the staff to fulfill their essential academic financial needs like examination fee, excursion charges, record book, and traveling fare.
- j) **Evaluation of student:** As per the regulation and a part of the curriculum in every semester internal assessment of the student is done to allot 20% internal marks.

The students are assessed by giving them assignment, conducting seminar, group discussion class test, industrial visit, excursion tour, innovative projects etc.

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 : Teacher counseling scheme

Goals:

1. To analyze qualitatively learning states of the students
2. To record academic performance of the student
3. To lower dropout ratio
4. To provide secured and familiar atmospheres to the student
5. To solve academic and career related problems
6. To solve the personal economical, emotional and social problems of the students.

Context: Vidnyan Mahavidyalaya, Malkapur is located in the educationally backward Buldana district. Although the students are admitted to higher education, still they are poor in languages, Verbal Skill, Communication Skill

and Knowledge. Most of them are not expert in the management of study, which result in the lacunae in their confidence. Again small problem or difficulties may result in their emotional-turbulence which finally may result in the stress and strains. At this stage it is very much essential to counsel the student in a proper ways and by the proper person.

The Practice and the evidence of the success: At the beginning of the session 15-20 students are allotted to a teacher who taught them at least theory or practical. The information regarding address, contact no, hobbies, previous participation in sports and cultural activities, previous academic record are collected by filling “**Teacher Guardian Scheme form**”. The informal meeting is conducted by the TG once in a every week. The student problem if any are heard by the TG and are solved at their level.

The present report is collected from other department and overall attendance of every month is discussed with the student. If any student is found deficient in attending the classes he/she is guided properly for attending maximum classes.

The unit test report is also collected from the concerned teachers/HOD and results are discussed with the students. If any student is found continuously absent the name of such student is forwarded to the principal to call their parents for discussing and solving problems.

The student if found necessary are recommended for coaching in the concern subject.

The student are also guided to develop good habits like concentration on study, self preparation, reading habits, participatory approach etc..

The outcome of the scheme is that the students get their small difficulties solved at TG level. Further the personal problems including stress are also minimize or completely solved.

The dropout ratio is significantly decreased. The students are more cleared regarding their goal setting. Due to clear cut goal setting and knowledge the fear of higher education has been significantly declined.

Problem encountered:

- Student cannot properly understand and express their ideas essential for higher education
- After motivation and encouragement the student does not remain in the stable state for longer time.
- Being grownup student they are not initially receptive to the suggestion by TG.

Resources Required: Valuable time of faculty member.

BEST PRACTICE II : Poor Student Welfare scheme

Goals : To provide the financial assistance to more needy students

Context : Vidnyan Mahavidyalaya, Malkapur is located in the educationally backward Buldana district. Most of the students are from economically poor background. Out of them some are from very poor class. Although scholarships are given to the backward class. Students for tuition fees and other fees, some students are economically very poor that they cannot afford ever other expenses like travelling fare and record books.

To take social responsibilities, teaching and nonteaching staff contributes willingly by adopting the students by donating requisite amount.

The Practice and the evidence of the success: The information regarding annual income, family background and locality is collected from the needy and willing students. The criteria of annual income of the parent is below Rs. 30000/-. The information is verified by the committee of the senior staff members. Actual needy students are selected by the committee.

The data regarding number of selected students and approximate yearly estimate is discussed in the staff meeting. The staff willingly adopts the number of student and donates accordingly. The donation is deposited to the committee members.

The amount of expenses is not given directly to the student. Further the name of donor is not disclosed to the student. The fees are directly deposited to the concern section for example the exam fee are deposited to finance section, records are purchased and are given to the students.

In the session 2013-14 the 16 students were adopted under this scheme for that Rs. 16500/- was donated by 11 staff members. Actual expenditure was Rs. 16360/-.

The outcome of the scheme was without any application and without facing humiliations; the needy students were able to pursue their study smoothly.

Resources Required: The amount Rs 15000/- to 30000/- is required to fulfill small but essential needs of the needy students. The amount is willingly donated by the staff of the college.