

**GAURISHANKAR SEVA SAMITI'S
VIDNYAN MAHAVIDYALAYA
MALKAPUR DIST- BULDANA [MS]**



**AFFILIATED TO SANT GADGE BABA AMRAYATI,
UNIVERSITY AMRAYATI**



**ACCREDITATION CYCLE II
RE-ACCREDITATION REPORT**

**SUBMITTED TO
NATIONAL ASSESSMENT AND ACCREDITATION
COUNCIL, BANGALORE**

FEBRUARY-2015

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PREFACE

It gives me immense pleasure to submit the Re-Accreditation Report (RAR) of our college to the Nation Assessment & Accreditation Council (NAAC), Bangalore for Accreditation (Cycle II) 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 has 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
Vidnyan Mahavidyalaya, Malkapur

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 GauriShankar Seva Samiti a local Society established by a group of visionaries 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 courses 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 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 conferences, workshops, 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 recommendations 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.

Members 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 MoU's with laboratories and Hospital to facilitate interactions.

Total strength of students in the college is 390. They are looked after, taught and guided by 13 regular & 16 contributory teaching staff. Amongst the regular teachers, 04 are having Ph.D., 03 with M.Phil as highest Degree, 01 is submitted Ph.D. Thesis and 03 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-built 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, LCD and Interactive board teaching learning method is well supported by ICT based teaching learning method for the summative examination to be conducted by the University. Students 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 students. 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 takes 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, bioremediation & advanced fertilizers.

The college has a wide range of extension and outreach programmes. The extension programmes by National Service Scheme, Student Representative Council, Red Ribbon Club, Gadge Baba Vihar 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, institutions, 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 07 well furnished class rooms, 06 laboratories, administrative block, Library, toilets, sports cell, IQAC/Network Resource Centre, National Service Scheme 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 advanced 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 throughout the session. Mr. Rupesh Rokade & Mr. Lalit Wagh of this college had 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 Resource Centre.

The facilities like power generator for continuous power supply, drinking water supply and 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 Mission statement and Goals of the college. The institution publishes its updated prospectus to provide detailed information of college. The institute also uploads the important information on its website www.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 participation to different committees to help in bringing the services of the college to nearby the students. Teacher Guardian Scheme & Career Counseling Cell gives assistance for vocational placements and personal guidance to the students. The average student progress 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 regularly. 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 Power Lifting and Ball-Batminton respectively at all India University level Sports representing our parent university. Two students secured 1st prize in intercollegiate seminar competition at University level.

For overall personality development of the students, programmes on Soft Skill Development, Power Point Presentation, Personality Development, Group Discussion & Personality Interview, Scientific Aptitude and Seminars are arranged regularly. Student and Staff Grievances and Women Sexual Harassment Prevention Cells are in place to redress the student grievances if any. The platforms like youth festival and annual social meet are provided to students to explore their talent in cultural activities. Remedial Coaching & Book Bank facilities are available for SC/ST, minority & other backward class students.

The college has academic & administrative bodies like Students Council, Anti-ragging Committee and Associations that have students' representatives 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 administered by the Gaurishankar Seva Samitti, a society formed by a group of visionaries with strong commitment towards education. The mission of the college is to impart quality education for empowering the personalities to develop responsible members 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 activities, Director of physical education, In-Charge academic activities, Librarian, Heads of the department, University

representatives 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 its implementation.

Yearly planner and academic calendar is prepared and distributed to staff well in advance. Teaching plans and lessons are prepared and executed by the staff. The academic daily diary is maintained by the staff members to ensure the effective execution of curriculum delivery by the teacher; also the 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 a common practice of the institution which facilitates to improve their performance.

The financial resources of the college are managed in an effective and efficient manner. All receipts and payments 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 cheques 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 developed 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 National Service Scheme 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.

To impart quality based education and for overall development the student, a number of best practices are conducted by the Institution. Few to mention are to provide platform for various activities like Seminar, Cultural, Extension, Sports etc., Teacher Guardian Scheme, Healthy teacher-Student interaction, Poor Student Welfare Scheme and Remedial Coaching Classes.

The college has encouraged the staff and students 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 suggestions from students, parents or teachers are given due respect for improvement. The college has strong mechanism to counsel the students for their academic excellence and to solve psycho-socio-economical problems 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 produce skill- knowledge providers with scientific temper to serve the society.
- To become a scientific educational institute renowned at National and International level.

IV) Challenges:

- Educationally backward region empowerment.
- Generation of resources for upgradation.
- Campus placements.
- Improvement of University Examination results.
- Collaboration with National/ International Institutions.
- Recruitment of qualified teaching faculty members on the vacant posts.

1. Profile of the College

1. Name and Address of the College:

Name	Vidnyan Mahavidyalaya, Malkapur
Address	Nandura Road, Malkapur Dist. Buldana
City	Malkapur
District	Buldana
Pin	443101
State	Maharashtra
Website	www.vmvmlk.org

2. Details for Communication:

Designation	Name	Telephone with STD code	Mobile	Email
Principal	Dr. B. B. Wankhade	O:07267-223259 R:07267-226499	9422883075	wankhadebb@gmail.com
Steering Committee Co-ordinator	Dr. C. M. Bharambe	O:07267-223959 Fax:07267-223959 R:07267-224349	9096717604 8308589602	jqacvmvmlk2014@rediffmail.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 Gadge Baba 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

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.	Yashwantrao Chavan Maharashtra Open University, Nasik	18/07/2014	3 Years	DMLT Course

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 ☒

b. for its performance by any other governmental agency?

Yes ☒ No ☒

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

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

x

• Sports facilities

* play ground

✓

* swimming pool

x

* gymnasium

x

• Hostel

* Boys' hostel

i. Number of hostels

x

ii. Number of inmates

x

iii. Facilities

x

* Girls' hostel

i. Number of hostels

x

ii. Number of inmates

x

iii. Facilities

x

* Working women's hostel

i. Number of inmates

x

ii. Facilities

x

• **Residential facilities**

i. For teaching



ii. For non-teaching staff



• **Cafeteria**



• **Health centre –**

• First aid



• Inpatient (indoor patients)



• Outpatient (Outdoor patients)



• 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 Parent University norm	English	08	05
4	COP	“Water Quality and Soil Testing” Certificate Diploma	1 yrs 1 yrs	Admitted to B.Sc.	English	30 30	00 00
5	Study Centre	DMLT	1 yrs	Pass in HSC or its equivalent	English	20	07

13. Does the college offer self-financed Programmes?

Yes ☐ No ☒

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

Yes	☒	No	☐	Number	02
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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	UG Departments	PG Departments	Research Department
Science UG – 06 PG – 01 Research - 01	Chemistry Botany Zoology Physics Mathematics Computer Science	Chemistry	Chemistry

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

- | | |
|---------------------|-------------------------------------|
| a. annual system | ☒ |
| b. semester system | ☐ 02 |
| c. trimester system | ☒ |

17. Number of Programmes with

- | | |
|-------------------------------------|-------------------------------------|
| a. Choice Based Credit System | ☐ 1 |
| b. Inter/Multidisciplinary Approach | ☒ |
| c. Any other (COP & DMLT) | ☐ 02 |

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

Yes ☒ No ☒

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

Yes ☒ No ☒

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

Position	Teaching faculty			Nonteaching Staff	Technical staff
	Professor	Associate	Assistant		

			Professor		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	-	-	-	-	5 (CHB)	11 (CHB)	-	-	-	-
Yet to recruit	-	-	-	-	-	-	-	-	-	-

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	--	
M.Phil	--	--	--	--	03	--	
PG	--	--	--	--	04	02	
Total	01	--	--	--	10	02	
Temporary teachers							
Ph.D.	--	--	--	---	--	--	
M.Phil.	--	--	--	---	01	01	
PG	--	--	--	--	04	10	
Total	--	--	--	--	05	11	

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

(a) Including the salary component

Rs. 62,033/-

(b) Excluding the salary component **Rs. 20,870/-**

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

Yes ☒ No ☒

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

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: ☒

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

Cycle 1: **03/05/2004** Accreditation Outcome/Result: **B⁺**

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

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

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 –05 : 29/04/2005

(ii)	AQAR for year 2005 – 06	: 13/07/2006
(iii)	AQAR for year 2006 –07	: 01/05/2007
(iv)	AQAR for year 2007 –08	: 25/06/2008
(v)	AQAR for year 2009 –10	: 12/12/2014
(vi)	AQAR for year 2010 –11	: 12/12/2014
(vii)	AQAR for year 2011 –12	: 12/12/2014
(viii)	AQAR for year 2013 –14	: 12/12/2014

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

- A department 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.
- MPSC/UPSC Examination Collaboration with Deepstambha Jalgaon, 49 students are benefited during last year.

CRI TERION 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.

Vision:

A scientific and educational community that is open and welcoming, creative and adaptive and renowned for excellence in knowledge and skills.

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 verification is done 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 meetings 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 24.14 lakhs 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. Seminars, group discussions, project assignments and visit to industries for 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, IT industries, Chemical Industries etc.) as a part of the curriculum, which helps 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 Sant Gadge Baba Amravati University, Amravati MTA (Sant 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 Gadge Baba 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 students 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 to acquaint the students with knowledge and skills

certificate, diploma and advanced diploma course in “Water quality and Soil testing” is run by the institution with grant in aid from UGC. 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.

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, Nasik. As the college is now recognized study centre of YCMOU, Nasik, 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 and utilization of acquired knowledge etc. is 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. 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, anti-ragging committee is formed by the Institute. 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

Sr. 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. N. 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 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 recent books and Journals are also extended to the students.

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

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

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 programmes 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 up 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.
- The current curriculum of B.Sc. III Botany and Zoology included recent trends in Life Science like Biotechnology, Stem Cell Technology and Molecular Biology

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

The institution monitors 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 Sant Gadge Baba Amravati University, Amravati MTA (Sant Gadge Baba 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 members of the institution Dr. C. M. Bharambe is working as a member of Board of studies in Zoology of Sant Gadge Baba 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 teachers association of subjects. The teachers participates in such discussions interact with other teachers and members of University authority proposed draft copy of syllabus for particular class/semester is prepared after discussions. These draft syllabi is made available for discussion amongst faculty members and the students. The concern teacher of our institution arranges discussion with the students on draft syllabus. If students and staff suggest any change in syllabus the same is communicated to the concerned board of studies through concerned 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 Gadge Baba 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 PG 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 conditions 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 framed by UGC among the college UG student only.

The cut off percentage for admission at entry level for the session 2014-15 is mentioned in following table:

Programme	Category			
	Open	OBC	SC/ST	NT
B.Sc.	44	45	38	51
M.Sc.	54	39	----	44

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	44	78	38

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	39

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 at 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 per the norms for

backward classes, the cut off percentage for backward classes goes 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 is obtained at the beginning of the session 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 attendances of the students are displayed on notice board. If the students are found short in attending the classes, they are counselled 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 examination, the marks 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 six students were detained while in the 2007-08 five students were detained. The outcomes of this effort are the students are that attending the classes regularly. Since last 5 years there was no incidence of the detention 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 and as decided by UGC according to gross enrollment ratio, to promote educationally backward students 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 75%, 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 admitted 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 test examination is conducted. On the basis of their performance slow learners and advanced learners are identified. 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 teachers, teacher counselor. The remedial courses are run for those students to cope 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 effects 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 students admitted to B.Sc. I are either from rural area or from educationally backward urban area. The students 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 medium like Urdu 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 have a 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 gender equality was conducted in last two years 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 labours, industrial labours, small scale businessman to landlords and rich families. They all are 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 like celebration of Independence day, Republic Day, Ganesh Festival, DahiHandi etc. In those festival various programme like Anand Melawa, Science Exhibition, Dance 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. Students and staff takes part actively in arranging rally’s and camps like cleanliness. The tours are arranged at some natural places. So the students 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 to participate 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 are maintaining the record of student academic progress to monitor their overall performance. The list of poor performers 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 attention and coaching through the remedial classes.

The economically weaker students are identified and the extra financial aids are given to them by staff of the institution. The scheme “**Poor Student Welfare Scheme**” was started from 2013-14. Through this scheme 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 of drop out is the marriage of girl students during course of studies. The girl 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 result is discussed in the staff and governing body combined meeting. The

teaching staffs 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 Senior Teacher and Head Clerk of the college. The yearly planner and academic calendar are distributed to each department at the beginning of the session.

Course Plan:

On the basis of students strength the workload is calculated and distributed amongst staff of the concern subject. If vacancies of staff arise, 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 of the subject is made available to the students by staff concerned. The schedule of the course to be taught and evaluation including assignments, class tests, projects, and seminars are 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 topics. It is verified by HOD and the principal from 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 students mentioning that he/she will attend at least 75% lectures delivered in each subject and if 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 absentee 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 counsel finalizes detention of those short listed students.

Evaluation policy:

In an evaluation scheme 20% mark is marked for continuous internal assessment for each subject. The schedule of assignments, class tests, projects, seminars 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 web sites by the University well in advance.

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

IQAC improve the teaching learning process by

- i. Motivating faculty members periodically to attend programmes on new and emerging trends in science.
- ii. Ensuring access to internet and at the ICT instruments available at the college level.
- iii. Organizing educational tours to make teaching more effective.
- iv. Feedback on teaching 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 workshops, seminars, 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 effective students centric, falling support structure and system are available.

Tutorial class:

For some subject like Mathematic, Physics and English class rooms are available for tutorial classes. A group of 16 to 18 students is 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:

A topic is allotted to the group of 5 to 8 students to develop initiative and independent learning habit 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, Executive body including advance learner arranges various teaching learning supporting activities.

Other Activities:

Projects on topic included in the curriculum are allotted to student of B.Sc. II, B.Sc. III and M.Sc. II. Various competitions like debate, quiz, poster, exhibition, and seminars are organized under the supervision of concerned subject teacher.

Field Work/Survey:

Field work and survey based study is made 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 workshops, seminars 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 their literature 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 Magazine.

Various associations are functioning in the college. Aim of association is to tap, nurture and promote the creative energy that bubbles out of every individual student.

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

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

- Academic Projects
- Field Works
- Seminars
- PowerPoint Presentations
- Creative assignments
- 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
- ICT/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 members are 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 programme 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.

A batch of 15 to 18 students is 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 benefitted 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 conducts various programmes like expert lecturer, soft skill training, personality development programme, preparation of competitive exam. The cell also arranges counseling for

recruitment for B.Sc. III and M.Sc. II year students. 96 Students were benefited during the period 2010-2014. Foundation courses were run for MPSC/UPSC examination.

3. Academic advice:

The students are advised by the senior teachers 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 Ku. Monika Talereja of B.Sc. III and Ku. Priyanka Kharche of B.Sc. II stood first at University level seminar competition in the session 2013-14.

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 of 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 20,00,000/- were purchased by the college to support the innovative teaching approach. The impact of such practices is that 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 a centralized library. Provision of open access is available to teachers and students of B.Sc. III and M.Sc. Three books are issued to UG students and four books to PG students. 3362 Books, 65 Encyclopedia, 34 audio-visual material and 7 journals and periodicals 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. Every year there is a progressive increase in total number of books in the library of the Institute.

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) The students admitted to the college are basically from academically weaker section and Urdu medium of learning. They cannot cope with the pace of the syllabus coverage and depth of curriculum.
- b) As the students come 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 complete 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 and its 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 of 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 college has inbuilt mechanism to monitor and evaluate the quality of teaching and learning

- Yearly planner and academic calendar is prepared and distributed to each department well in advance. It is ensured to make effective teaching days more than 180 days during the session.
- The teaching plans are prepared and syllabus coverage is checked by HOD and Principal.
- Academic diary is maintained by the teachers and verified by head of the departments and the Principal.
- According to the staff justification by University and Joint Director of Higher Education Office, staffs are recruited.
- The class tests are conducted and assignments are 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 advanced instruments are maintained properly and are updated from 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 by the affiliated University. Advertisement is given in leading news papers including one news paper of state level and one local news paper. Eligible candidates are shortlisted on the basis of UGC guidelines and are invited for personal interview. The selection committee is constituted as per the norms which include chairman of the Gauri-Shankar Seva Samiti, Head of the Institution, Head of the department, Government nominee, Vice Chancellor's nominee and two subject experts nominated by the University.

Highly qualified and meritorious candidates with good research

potential are preferred for the appointment.

If the eligible and suitable candidates are not available the appointments of teachers on Ad-hoc and clock hour basis are made. To appoint teachers 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 teachers to handle all subjects. For computer science courses, M.Sc. (chemistry) and DMLT courses, 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 institutions	--	--	--
Summer / winter schools, workshops, etc.	12	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 on dated 22 Dec. 2010 and 06 Jan. 2012.
3. Three days soft skill training programme was arranged for the faculty members during 11 Jan. to 13 Jan 2012.
4. Demonstration of smart class room for the use of interactive teaching learning aid in college, for the faculty members was organized by reputed external agency on dated 05/04/2013.

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 assistance to present paper at various levels.
- ✓ Granting study leave to the faculty members 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 nearby 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	Nagpur	10-20 Jan	2 nd

	ranking lawn tennis tournament		2013	
3	Reforms Club Amravati ranking tournament Single	Amravati	25-26 Jan 2014	2 nd

On receiving award or recognition staff members are felicitated by Board of Directors in the annual social meet.

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

The teacher's performance is evaluated at the end of each session considering their performance in teaching, research and extension by the staff members, Head of the Departments and the Principal of the Institute.

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 and when there is change in the policy of evaluation process, it is published in the University Gazette and in the college prospectus. The copy of this gazette is made available to every faculty member of institute.

At the beginning of each semester, faculty concerned 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% for theory examination and 20% for practical examination with no weightage to the internal assessment at UG level.

From the session 2010-11 University has changed 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 theory examination.

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

The college has adopted the practice of conducting three class tests per semester. The numbers of assignments are also increased to three.

Apart from mandatory, academic activities, 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 returned 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 of internal assessment is prepared by the subject teacher and is verified by the

head of the department and 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 students 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.

Incentive marks are given to the students for their participation in the extracurricular activities like National Service Scheme, blood donation, university level competition like youth festival, sports and award winning presentation.

2.5.4 Provide details on the formative and summative assessment approaches adapted 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 to 80% marks and poor learners securing less than 50% marks.

Advance learners 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 are 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, 30% for an activity based report and 50% for class tests.

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 graduates 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 developing scientific approach, humanism, spirit of enquiry and reform in the graduate students of this college. Further the students must acquire basic skills so as to become independent member of the society.

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

The Bachelor of Science programme provides 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 evaluation 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 concerned 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 solved at teacher level, student can approach to the HOD or Principal. After verifying record HOD or Principal can ask the concerned teacher to correct the internal marks.

If internal marks does not appear in the mark sheet or the marks are changed as compared 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 concerned 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 of this college 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 mentioned 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 mentioned in the prospects.
- The monthly attendance record is displayed on notice board.
- The test marks are communicated to the students and evaluated answer sheets are also returned to the students. Discussions are made with the student by the concerned teacher on the evaluated answer sheet to improve the performance in the next test and in the University examination.
- The progress card mentioning 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 counseled by the teacher guardian. Even after counseling by teacher if the student continuously appeared in the short list, he or she is counsel by the principal and the 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 methods.

- The teaching learning process is made more interactive and to ensure

the development of interest in the subject and curiosity 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) 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 analyze 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 in the session 2007-08, 6 students and in the session 2008-09, 5 students were detained. The impact 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 analyses 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 learners 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 has a research laboratory of chemistry with the capacity of 8 students which is recognized by Sant Gadge Baba Amravati University, Amravati. The institution has applied to recognize its Zoology laboratory for research work to Sant Gadge Baba Amravati University, Amravati.

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 funds 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 granted 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.
- Advanced instruments 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 is 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 for the M.Sc. II students. 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 seminars to gain knowledge regarding latest developments. The activities like seminar, science exhibition and science quiz are organized to develop scientific temper and aptitude among the students. Students are encouraged to take do short term research projects so that they can pursue their career in research. Miss. Kiran Rathi and Payal Malpani students 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 students 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 (Department of Chemistry), Dr. C.M. Bharambe (Department of Zoology) and Dr. R. T. Parihar (Department of Chemistry) are recognized as research guides for Ph.D research work.

Four faculty members have Ph.D. degrees as their highest qualification and three have M.Phil degrees 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. degree 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's Association a University level seminar competition was organized for M.Sc. I students in 2013-14.

Science exhibition is organized every year. Students 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 pollution of from different Ecosystems by microbes. 2. Rhizoremediation to remove heavy metal ions from the drinking water.
Biodiversity:	Diversity of flora and fauna in the different Ecosystems.
Limnology:	Biological status of aquatic ecosystem in relation to animal life.
Organic Synthesis:	Heterocyclic compounds and study of their biological activities.
Toxicology:	Effect of toxic chemicals on animal body.
Botany:	Impact of flyash on growth of plants.
Water Analysis:	Hardness, alkalinity, pH, TDS, Heavy metal Determination.
Soil Testing:	NPK 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 the teacher and the students. The few experts were as

- Prof. Dr. A. P. Shukla, Rajasthan University, Rajasthan, on 4/1/2010.
- Prof. Dr. V. S. Jamode, Ex.VC Sant Gadge Baba Amravati University, Amravati, on 8/9/2013.
- Prof. Dr. Paliwal, Department of chemistry, Institute of science and humanities, Nagpur.

- Prof. Dr. Berad, Member, BOS, Sant Gadge Baba Amravati University, Amravati.

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 encourages the staff for research and study leaves are given. As the college is included in the list of 2(f) and 12(B) 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 levels in the workshop, seminar, conferences etc, and the duty leave is given to the faculty members.

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

- Need base research finding on analysis of water, Bat guano and food grains were properly communicated.
- Water samples from all areas of Malkapur town were analyzed to check the potability of water. The resources which are not suitable for drinking purposes were communicated to the concerned authorities.
- Water from kidney affecting saline track in the Jalgaon Jamod tahsil

were analyzed for determination of heavy metal ions. The findings were communicated to the local MLA to take proper action.

- Bat guano excreta 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 samples were analyzed for its fluoride content. The findings 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 on a project reports are placed in the library for reference.
- Findings of 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, a fund Rs. 2.5 lakhs is earmarked for research activities. Apart from the earmarked fund some extra 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 journals for 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.

An amount of Rs.11, 922/- was disbursed as registration fee to present paper in the workshops, seminars and conferences at various level. 53% of regular teachers have availed this facility.

Seed Money provided to Faculty for presenting research papers during last few years is as follows:

2009-10

Sr. No.	Name of the Faculty	Registration Fee	Amount Rs.
01.	Dr. C. M. Bharambe	Conference	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	Conference	3000/-
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2010-11

Sr. No.	Name of the Faculty	Registration Fee	Amount Rs.
01.	Dr. C. M. Bharambe	Conference	1000/-

2011-12

Sr. No.	Name of the Faculty	Registration Fee	Amount 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 assigned well in advance and the required chemicals and other material is 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 experiments under the supervision concerned teacher and if necessary sophisticated instruments are used by the student in a group of 3 to 4 students. It is ensured 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, distillation unit, vacuum pump, calorimeter and digital pH meter of Chemistry department are used by the staff and student of other departments.

- 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 have 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 of Faculty	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/-	2011-2012

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/-
	2013 To 2014	Bioindicator of autoexhaust pollution on national highway no. 6	UGC	Project 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 instruments like spectrophotometer, Laminar air flow, deep freezer, binocular, microscope, field camera, centrifuge, fume hood are available in the laboratories of the college.

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.

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

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

- Power generator
- Internet Access
- Computers and Laptops
- Reference books and Journals
- Spectrophotometer
- Laminar air flow
- Autoclave
- 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
- Electrophoresis

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 provides 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 utilized the facility of AAS for the detection of heavy metal ions at local firm Chaitanya Chemicals Pvt. Ltd., Malkapur. The facility to study the biological activities of organic compounds 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 also.

The college has established network resource centre for staff and

students. Project reports of M.Sc. II students are kept in the library for reference. Reputed Journals of Chemistry, Physics, Life Science etc. are subscribed by the library and are available to the researchers for literature review.

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
- 30 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 products 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 compounds 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 cost of material is useful to film industry.
- ✓ Formulation of new bio-compost and chemical fertilizers are very much beneficial to the agricultural field to reduce production cost and increase the yield.
- ✓ Identified microbes have immense importance in the removal

of hazardous substances from the different ecosystem which is highly beneficial to the community.

- ✓ Formulated products 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 in last 5 years during 2009-2014:**

7 (13.82%) publication per faculty.

☐ **Number of papers published by faculty and students in peer reviewed journals and proceeding of Conferences (national/international)**

- **Number of papers published by faculty during last 5 years:**

Sr. No.	Name of Faculty	Papers published in Journal		Papers published in proceeding of Conference	
		International	National	International	National

1	Dr. B. B. Wankhade	1	1	--	1
2	Sau. V. N. Saoji	1	--	--	--
3	Shri. S.V. Borle	1	--	--	1
4	Shri. S. K. Karande	2	--	--	4
5	Shri. A. J. Rathi	--	--	--	3
6	Dr. C. M. Bharambe	8	5	--	28
7	Shri. G. H. Kurhade	--	--	2	--
8	Dr. R. T. Parihar	5	--	2	2
9	Dr. Y. P. Patil	3	--	--	4
10	Shri. S. E. Warkhede	--	1	--	2
11	Ku. Mayuri Chavan	--	--	--	1
12	Mr. Iqbal Shaikh	--	--	--	3
13	Ku. Bharati Patil	--	--	--	3
14	Ku. Pranali Polakhare	--	--	--	2
15	Mr. Nilesh Rahate	--	--	--	2
	Total	21	07	04	56

• **Number of papers published by students during last 5 years:**

Sr. No.	Name of Student	Class	Subject	Papers published in proceeding of Conference at National Level	Paper Presented in Conference	
					National	State Level
1	Ku. Alfia Tabbassum	B.Sc. III	Zoology	2	--	--
2	Ku. Jayshri Pawar	B.Sc. III	Zoology	2	--	--
3	Ku. Bharati Patil	B.Sc. III	Zoology	2	--	--
	Ku. Priti Salokh	B.Sc. III	Zoology	2	--	--
4	Ku. Pranali Polakhare	B.Sc. III	Zoology	1	--	--
5	Mr. Nikesh Patil	B.Sc. III	Zoology	2	--	--

6	Mr. Kishor More	B.Sc. III	Zoology	1	--	--
7	Mr. Gopal Malthane	B.Sc. III	Zoology	2	--	--
8	Mr. Manohar Narkhede	B.Sc. III	Zoology	2	--	--
9	Ku. Gayatri Bhamidipti	B.Sc. I	Computer Science	--	1	--
10	Ku. Pallavi Firke	B.Sc. III	Computer Science	--	1	--
11	Ku. Karishma Dipke	B.Sc. III	Computer Science	--	--	1
12	Ku. Geetali Paryani	B.Sc. III	Computer Science	--	--	1
13	Ku. Priya Morkhade	B.Sc. III	Computer Science	--	--	1
14	Ku. Pooja Sawale	B.Sc. III	Computer Science	--	--	1
			Total	16	02	04

☐ **Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)**

☐ **Chapter in Books**

05 Chapters are listed in the book of current prospective in limnology and 02 are listed in a text book of Chemistry for B.Sc. students.

☐ **Books Edited**

A text book of Chemistry for B.Sc. students is edited by the faculty member.

☐ **Citation Index**

02 Research papers are indexed into International abstract book.

☐ **Impact factor**

04 Research papers published in National and International reputed journal has impact factor.

3.4.4 Provide details (if any) of

☐ research awards received by the faculty

- 3 Faculty members were awarded M.Phil. Degree by Sant Gadge Baba Amravati University, Amravati during 2009 to 2011.

☐ recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

- Three staff members of the college are recognized as research guide for the Ph.D. research work
 - ✓ Prof. Dr. B.B. Wankhade (Principal) has recognized research guide for the Ph.D. research work, in the subject chemistry recognized by Sant Gadge Baba Amravati University, Amravati.
 - ✓ Dr. C.M. Bharambe has recognized research guide for the Ph.D. research work, in the subject Zoology recognized by Sant Gadge Baba Amravati University, Amravati.
 - ✓ Dr. R.T. Parihar has also recognized research guide for the Ph.D. research work, in the subject Chemistry 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 counseling and placement cell of the college works as nodal agency for establishing institute industry interface. The students and staff visit to the industries and students are asked to prepare report on the visit. B.Sc. II students of this college visited to various nearby industries including Benzochem, Rasoya, Chaitanya biologicals etc. The industries

send their recruitment team to the college to recruit B.Sc. III and M.Sc. II appeared students.

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 expense 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 facilities available in the college are 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 content NPK, fixed carbon content and suggestion of crop pattern.

- Blood testing.
- Urine analysis.

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 programmees 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 for participation and awareness.

- ✓ Publicity of the institution based related programmes of Government, University and 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 students and faculty by arranging one day programme in the college.
 - ✓ Making arrangements for involvement of faculty/students in social activities.
 - ✓ Making arrangements in the regular time table of the academic for participation.
 - ✓ Awareness of regular, result oriented and sustainable programmes among students.

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
- Scope for society based activities
- Special seven days and one days camping for society
- Rallies, competitions, awareness, group discussions etc.
- National Integration and solidity
- Career counseling cell

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

- The institution promotes participation of students 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 their active participation.
- Students having attitude and interest for particular activity are noted down for programme implementation and its evaluation.
- Student representative council members are also given freedom for the selection of students to organize extension activities.
- National Service Scheme volunteers are selected according to the rules and regulation of Sant Gadge Baba Amravati University, Amravati, Amravati
- Additional marks and certificates are given to volunteers.
- Prizes are given to students for best performance
- Besides National Service Scheme, students are also participating in collaboration with other extension activities. They are allowed to participate in the activities of other institutions.

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

a) Environmental awareness

- Tree plantation and conservation by National Service Scheme 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 khurda, Kund Bujrukh and M.S.M. English school, Malkapur in the session 2013-14.
- “**Vruksha Dindi**” was organized on 25 Sep 2013 to give message to the society regarding importance of plantation and conservation of trees.

- Rallies 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, 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 in the camp at adopted village Datala.
- Sickel-cell anemia awareness was done by organizing rally, poster presentation and group discussion at Datala.
- Programmes are arranged on rehabitalization of alcohol adicts, yoga, meditation and sports at adopted village

c) Participation of students local people in Rural development projects

- National Service Scheme 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, survey, 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 Mr. 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 of programme on special days

- Independence day

- Teacher's day (5 September)
- Sadbhavana day (20 August)
- Krishna Janmashtami
- National Service Scheme 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.

3.6.6 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 empower students from under privileged and vulnerable section of the society, following work was undertaken.
 - 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 carried out to find out the problems of under privileged society for implementation of activities.

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 in the life in critical or adverse conditions. Student came to know the needs of the society and they are compelled to think over remedies on social problems. It helps 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 GramPanchayat, 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.

Survey on Woman Empowerment:

Survey was conducted by the students to collect opinion of people belonging to different castes, creeds, religious and economical condition in 2012-13 on gender equality and woman empowerment.

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

- The National Service Scheme unit co-ordinates with the Datala Gram Panchayat to organize all its extension activities during the seven days residential camp. The unit organized tree plantation, village

cleanliness, Awareness activities like, Environment Pollution, water conservation, etc.

- The extension activity unit of the college actively participates 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. In 2013-14 about 500 trees were planted at different places by the NSS volunteers.

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.

Nil.

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. Sub District 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 institutions.

1. National chemical laboratories, Pune
2. Yashwantrao Chavan Maharashtra Open University, Nashik
3. Amravati University Chemistry Teacher Association
4. Manogat Parivar-NGO for betterment of the society
5. Swami Vivekanand Ashram, Malkapur
6. Gadge Baba vichar Manch-NGO to spread thought of Sant Gadge Baba through activities
7. Government Hospital Malkapur
8. Students Welfare section, Sant Gadge Baba Amravati University, Amravati
9. Pathology laboratories in Malkapur
10. Chaitanya Chemical and Biological, Malkapur
11. Deepstambh, Jalgaon Khandesh
12. Red Ribbon Club, branch Malkapur
13. Tree, a society for better environment

With collaborative arrangements with above listed institutions/

laboratories various programme were arranged. 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's 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 students could participate in programmes of National interest like pulse polio, cleanliness, programme, aids awareness, blood donation, women empowerment etc.. Student welfare section of Sant Gadge Baba Amravati University, Amravati had provided funds 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 students to practice in the field. Students are recruited at Chaitanya Chemicals and biological a local industry through campus interview and on recommendation. Students also got facility to work on advanced instruments of industry like atomic absorption spectrophotometer to analyze water for its heavy metal ions 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 by working on advanced instruments.
- Due to tie up with pathological laboratory and sub district hospital, students of DMLT, worked with experts to gain practical knowledge in the medical laboratory techniques. Due to interaction with agencies like Deepstambha and Dheya 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.

Some eminent personalities interacted with the students and staffs of the college are listed below:

Name Eminent Personalities	Topic	Date
Dr. V.S. Jamode Ex. Vice-chancellor & Scientist	Spectroscopy	6 Sep 2011
Dr. Shukla Principal and Scientist	Career opportunities in abroad	4 Jan 2014
Mr. Anuj Jajoo and Dr. Priti Zambare	Soft skill training	12-14 Dec 2011

International Trainer in soft skill		
Mr. Khushrao Irani and Mr. Sanjay Kale Trainer in soft skill	Soft skill training	11-13 Jan 2012
Dr. G. N. Wankhede Head, Department of Zoology Sant Gadge Baba Amravati University, Amravati.	Entrepreneurship in rural area	10 Sep 2012

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 DMLT due to collaboration with YCMOU, Nasik.
- The students of DMLT are benefitted by working in the laboratories. Students 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 production.
- 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 requirements of infrastructure are discussed in the staff meeting and recommended for execution to the governing body of the college. After approval of the governing body class room and other infrastructure is constructed.

7 Class rooms, 7 laboratories, office; library and other construction ise made by adopting this policy.

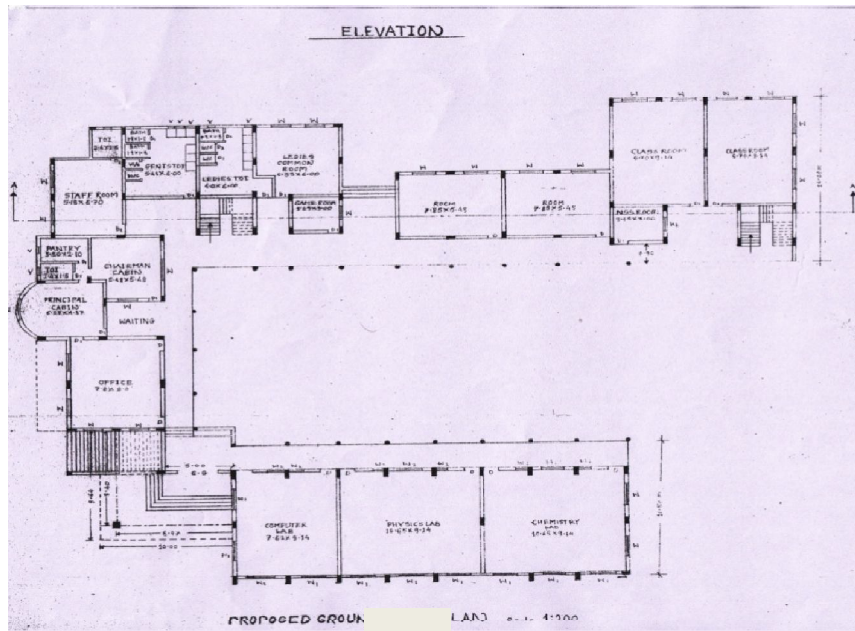
4.1.2 Detail the facilities available for

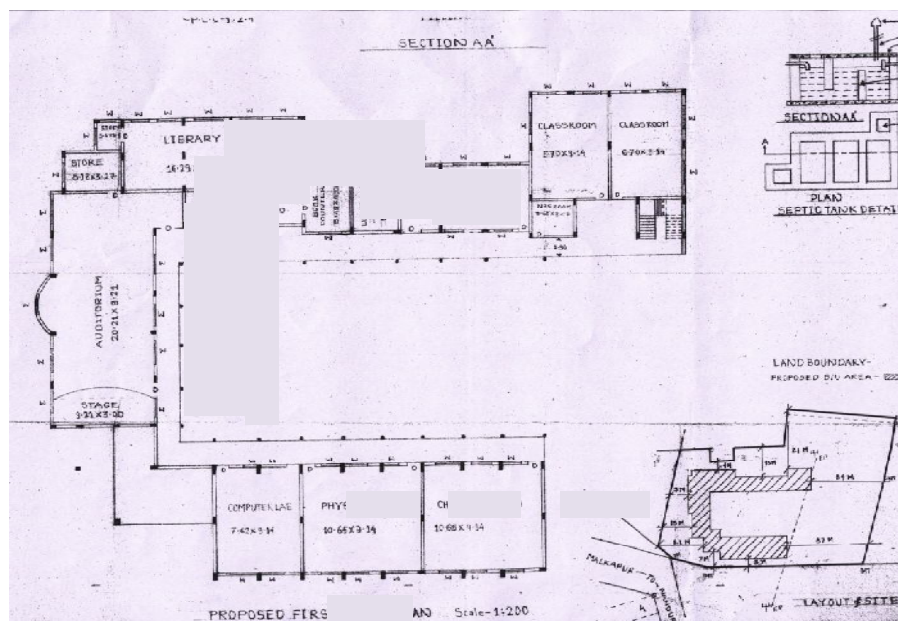
a) Curricular and co-curricular activities –

Classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, Animal house, specialized facilities and equipment for teaching, learning and research etc.

The college is spread over 10562 sq.m. 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, National Service Scheme, 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 existing laboratories are upgraded with additional instruments and equipments. The laboratories are constructed in such way that two batches can be accommodated at a time if student strength is increased in future. The amount spends on infrastructure and various facilities in last four years is as follows.

The amount spends on infrastructure and various facilities in 2010-11

Particulars	Total Cost (RS.)
Furniture	10880.00
Library	3126.00
Lab Material	171926.00
Computers	280125.00
Sport Material	35889.00
Book Racks	7854.00
Books	225658.00
Fax Machin	20630.00
Total	901888.00

The amount spends on infrastructure and various facilities in 2011-12

Particulars	Total Cost (RS.)
Locker	3206
Furniture	25500
Books	78670
Computers	313975
Stabilizer	17500
Office Software	55000
Lab. Material	37089
LCD Projecter	80000
Printer	6500
Laptop	47500
Software CD	43500
Toatal	708490

The amount spends on infrastructure and various facilities in 2012-13

Particulars	Total Cost (Rs.)
Fan	2950
Books	104339
Photostate Machin	74600
Lab. Material	60098
Library	2426
Equipment	41323
Total	285736

The amount spends on infrastructure and various facilities in 2013-14

Particulars	Total Cost (Rs.)
Furniture	5738
Lab. Material	1045523
Total	1051261

Existing physical infrastructure:

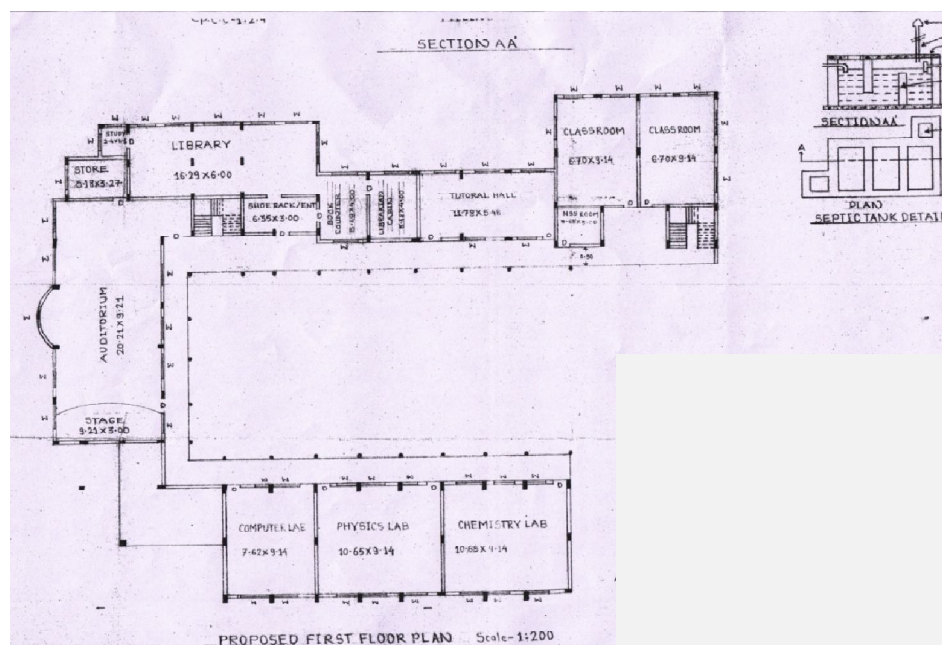
Particulars	Area in Sq.ft.	Number	Total Area in Sq.ft.
Class room	660	4	2640
	465	2	930
Laboratories	1050	5	5220

	750	1	750
Library	375	1	375
Reading Room	465	1	465
National Service Scheme room	140	1	140
Sport room	140	1	140
IQAC/ NRC room	323	1	323
Office	600	1	600
Principal Cabin	365	1	365
Toilets 1	260	1	613
Toilets 2	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. 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, toilet 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 prefer to attend the college by residing at their home place. Hence residential facilities for the students 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 experts 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 that 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		5,96,233.00

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 National Service Scheme 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 committee 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 books 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.

4.2.2 Provide 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 sorts 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/	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 and one computer is provided to library which can be accessed 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:**

Total walk-ins students in 2013-14 were 12150. The average numbers of walk-ins students for the academic year 2013-14 are 67.5 Per day (considering 180 effective teaching days).

➤ **Average number of books issued/returned**

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. Total turn up was 12150.

Average number of books issue/return during academic year 2013-14 was 25 per student (Student strength 342).

➤ **Ratio of library books to students enrolled:**

Total number of books in library = 3362

The ratio of library books to the student is 9.8:1.

(Considering student strength 342)

➤ **Average number of books added during last three years**

Average number of books added during last four years: 311

Total number of books added during last four years: 1245

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

There is proper policy for weeding out of books. The stock verification by librarian and an external is performed every year. The damaged/teared/wearied books are sorted. Further the books with outdated content are selected by the librarian and such outdated and disposable books are condemned after recommendation of library committee and approved by the Principal. Up till now 60 books are condemned. Other material like old newspapers is sold by auction once in a year.

4.2.6 Give details of the specialized services provided by the library

Reference: Yes, the library has 65 reference books.

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

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

User Orientation and awareness: Yes.

College provides Virtual private Network Broad band Services for the

students and staff

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

The library staffs are non-vacational 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 on the subjectwise 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 sets of university examinations are retained and are issued to the students on temporary basis for reference in the library or 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 a particular book by maximum possible students, fine is charged for late returns.
- Maximum number of books can be 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 handicapped 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 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 students 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 of books.

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 Computers with Acer and 2 Laptops.

Sr. No.	Configuration	Quantity
1	ACER Intel Core 2 Duo Processor 2.93 GHZ, 2 GB DDR II/III RAM, 500 GB HDD, DVD writer, 18.5 inch LCD, Keyboard, Optical scroll mouse, Stereo Speaker, 8 USB port Front USB & Audio, Mouse Pad, Dust Cover	10
2	DELL Intel Core 2 Duo Processor 2.93 GHZ, 2 GB DDR II/III RAM, 500 GB HDD, DVD writer, 18.5 inch LCD, Keyboard, Optical scroll mouse, Stereo Speaker, 8 USB port Front USB & Audio, Mouse Pad, Dust Cover	10
3	Zenith PIV2.8GHZ, 1 GB RAM, DVD Combo, 320 GB HDD Keyboard, Optical scroll mouse,	03

	17 inch TFT with inbuilt speaker	
4	Lenovo PIV 2.7 GHZ, 1GB RAM, DVD Combo, Keyboard, Optical scroll mouse, 19" TFT	03
5	Intel Dual core 2.5GHZ, 2 GB DDR II RAM, 160 GB HDD, 16" LCD Monitor, Keyboard, Optical scroll mouse	03
6	DELL Inspiron- 2330 LAPTOP with Core i3 Processor, 4 GB DDRIII RAM, 320GB HDD, 15.6" LED, Bluetooth, Webcam, wifi, DVD Writer, card reader, original Bag	02

- Computer-student ratio : 1:7
- Stand alone facility : 17 (Stand alone as well as networked)
- LAN facility : 17
- Wi-Fi & VPNBBS facility : Available in a campus.
- Licensed software : C, C++, Windows Xp, MS-office 2000.
- Number of nodes/ computers with Internet facility : 17
- Any other:
 - PowerPoint Presentation facility on interactive board.
 - Audio-Video conferencing facility.

The other equipments available in computer laboratory as given below:

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
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, odyssey	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 members and students. There are 10 compute sets with the facility of Internet in the department of computer science. 02 Nodes are situated in the UGC- Network Resource Center, 4 computers are situated in the college office and 1 is in the Principal's Cabin.

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

In future, the college intends to upgrade the computer and internet facility in each laboratory with latest configuration available in the market. For this up gradation IT infrastructure, 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 the department of Computer Science, Botany, Zoology, Physics and in the UGC- Network Resource Center. The teachers freely take help of the ICT resources and internet to complete their prescribed curriculum with the help of LCD projector and computer. Also projectors, podium and laptops are available which are 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 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 Laboratory, 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 from time to time for the use of Internet facility 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?

The institution does not avail 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 construction, colouring of building, fencing

etc. Maintenance of equipments 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 cost of the institution during last four years is as follows

Sr. No.	Particulars	Amount in Rs				Total
		2010-11	2011-12	2012-13	2013-14	
1	Cleaning	11734.00	17130.00	16625.00	23743.00	69232.00
2	Computers	---	770.00	---	36345.00	37115.00
3	Generator	8142.00	28312.00	9547.00	6000.00	52001.00
4	Equipments	2235.00	20000.00	---	---	22235.00
5	Furniture	9750.00	--	---	---	9750.00
6	Electricity	28167.00	37705.00	65666.00	103876.00	235414.00
7	Garden	---	10255.00	---	4500.00	14755.00
8	Internet	13100.00	10243.00	9370.00	11715.00	44428.00
	Web	---	2500.00	---	---	2500.00
	Library	---	2951.00	---	---	2951.00
	Laboratory	---	118344.00	---	---	118344.00
Total→		73128.00	248210.00	101208.00	186179.00	608725.00

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 departments identify the maintenance of facilities, infrastructure, water supply, gas connection, instruments and equipments in their department and required maintenance (if any) is informed to the head of the institution. The maintenance work with nominal cost is permitted by the head of the institution. The work

costing higher amount is completed after getting approval of the Management.

- Head clerk of the college looks after the need for maintenance of building, cleaning, water supply, power generator and campus.
- Staff members also point out the needs of maintenance either through HOD or to the Principal in the staff meeting. Minor repair/maintenance is done with the permission of Principal. Major maintenance like coloring of building, furniture construction of managing body.

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

The staff members are having adequate knowledge of handling the instruments being used in their laboratory. They identify the need of calibration and other precision measures and necessary corrections 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 proper measures are taken after stock verification every year preferably at the end of the session.

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

- 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, drainage system are checked time to time and are repaired as and when required to ensure continuous water supply & safe use of gas connection facility.

- The college has authentic water supply connection from Municipal Corporation, Malkapur. For assured water supply, college has its water resources, one well and one tube well in the college premises.
- The college has three phase electric supply and Power generator to solve the electric problems, Water RO system is provided in the college campus for drinking water.

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 provides information about mission and goals, highlights of college, Local Managing Committee, list of Teaching and Nonteaching staff, Courses offered, eligibility, documents to be submitted at the time of admission, fee structure, information of scholarships and awards, academic calendar, holidays, dress code information, incentive marks scheme, general information about admission process, attendance in order to qualify for University examinations, college examinations, port folios in the college like (National Service Scheme), Career Counseling Cell, Teacher Guardian Scheme, Excursion tours, Cultural activities etc.

The prospectus also provides information about discipline and rules framed for students, Games and Sports, Feedback mechanism, Book bank scheme, Medical examination of students, Student grievances Redressal Cell, Students insurance, Celebration of Sports Day, Birthdays and Death Anniversaries of some renowned persons, College welcome function, Farewell ceremony, Physical Efficiency test etc.. Every year college publishes annual magazine “ZEP” which reflects how the college ensures its commitments and accountability because “ZEP” provides information about

college topper students in various subjects and in various classes including best student of the year and University Colour Coat holders. ZEP also takes account of special needful issues for awareness in society, ZEP contains photographs of college annual get together, National Service Scheme etc Zep also contains poems, articles collected or written by the students and staff members. To develop writing skill poem and article. The Magazine is divided into three sections 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 funds were available and disbursed in time except during 2011 – 2012, some students have not received the scholarships in time.

Year	GOI Scholarship	GOI Free ships	Concession	Total
2010– 2011	115	18	23	156
2011– 2012	73	09	18	100
2012– 2013	112	20	15	147
2013- 2014	176	29	37	242

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	Total
2010– 2011	23/304 (7.56)	133/304 (43.75)	156/304(51.31)
2011 – 2012	18/332 (5.42)	82/332 (26.69)	100/332(30.12)
2012 – 2013	15/276 (5.43)	132/276 (47.82)	147/276(53.26)
2013 - 2014	37/342 (10.81)	205/342 (59.94)	242/342(70.76)

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 of the society.

- They are given awareness about the various scholarships through prospectus and they are encouraged to apply for them.
- The scholarships offered by the government are disbursed in time.
- UGC sponsored remedial coaching classes are conducted for SC/ST, OBC and Minority students. Many undergraduate SC/ST and OBC, Minority students are benefitted through the remedial classes conducted in the college.
- Scholarships are disbursed to advanced learner from SC/ST, OBC, Minority and EBC student with the financial aids from UGC.
- The ramp is provided to physical disabled students. Almost all facilities like library, common girl's room and drinking water are feasible to physically disabled students because these facilities are located on the ground floor of the college.
- PSWS Scheme ("Poor Student Welfare Scheme") funded by staff members is implemented from 2013-14 for very economically poor students.
- **Overseas Students:** the institution does not have any overseas students at present and up still now.
- **Students to participate in various competitions at various level:**
 - 1) Students are encouraged to participate in intercollegiate, district level, state level competitions and are selected by taking prescreening competitions. They are felicitated in annual get together.
 - 2) Computer with Internet facility is made available to prepare for various competitions.

3) Deserving students are encouraged to participate in Workshop, Seminars, Conferences and Technical competitions at various levels.

4) The absentee of student participating in Workshops, Seminars, Conferences and other activities is marked as leave.

- **Medical assistance like health center and health insurance Provided to students:**

1) Medical checkup of all the students is done by medical officers appointed by the college.

2) Special lectures on health awareness are organized by National Service Scheme every year and special help line of Sub District Government Hospital, Malkapur is provided to students to solve their health 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 outstation programmes of National Service Scheme are sending after taking medical fitness certificate.

5) Workshop sponsored by student welfare department of Sant Gadge Baba Amravati University, Amravati on Ladies Health and Sexual problems was organized by college.

6) Free medical camps are organized by National Service Scheme every year with adopted village.

7) Insurance scheme against accident is run in the college as per University rule. The insurance is renewed every year. All the students are compulsorily required to be registered under this scheme and pay the premium. One student is benefited out of this scheme.

- **Organizing Coaching Classes for Competitive Exams:**
 - 1) Special lectures on various competitive examinations and various entrance examinations are organized by college.
 - 2) Students are motivated to participate in various aptitudes tests related to competitive examinations and aptitude tests organized by our institutions and other institutions.
- **Skill development (Soft, English and Computer Literacy):**
 - 1) Career Counseling Cell and English Department have arranged workshop and lectures for student to enhance communication skills.
 - 2) Students are trained by computer department and National Service Scheme 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 Guardians of slow learners take special case of such slow learners and motivate and guide them to improve their performance.
 - 3) Remedial coaching is given to slow learners.

4) Extra books facility by library is also 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 institutions are arranged periodically by the college.

- **Publication of Students Magazine:**

The college magazine is published annually which provided platform to the student's creative skills. The articles and poems collected or written by students in English, Marathi and Hindi languages are published by the editorial board. The student's magazine also contains photographs of topper's from college, colour coat holders best student of college and also the selected photographs of curricular and co-curricular events. Yearly 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 by industry related persons for students to develop entrepreneurial skills and also organize industrial visits of students so as to know mechanism of industry and ultimately develop entrepreneurial skill. The college also organizes the workshops related to

entrepreneurial skills sponsored by the National Service Scheme section of University or by student's 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

- When the players or students are 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 and other games are provided by the college.
- Prize winners from various events such sports, co-curricular and extracurricular activities are felicitated in Annual Social Gathering of the college.
- The sports department provides uniforms and travelling fares to students participated in the intercollegiate tournament.
- Financial assistance is provided to students by management and staff of the college to players selected and participating in abroad competitions. Mr. Rupesh Rokade is benefited by this assistance.

- Students are promoted to participate in Youth Festival Programmes at University level in every year.
- Ample opportunities are given to the students to explore their talent in the cultural field by arranging programmes like Welcome function, DahiHandi, Ganesh Festival, Annual Social Gathering, Science Day, Birth and Death Anniversaries of Great persons etc.
- To participate in any outstation competitions at various level students are selected by screening through port folios incharge or by taking competition at college level.

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 are organized in the college for preparation of competitive examination.
- Mr. V. B. Suradkar have completed his education in M.Sc. Chemistry and cleared SLET for lecturer ship in 2013-2014.
- Mr. Jay Dinore completed his education in M.Sc. Chemistry and cleared NET for lecturer ship 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 National Service Scheme 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, National Service Scheme, 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
	Collaborative Guidance for Competitive Exam Ex. Deepstambha, Dheya etc	39
	MPSC/ UPSC Examination Guidance	40
	Language improvement	72
	Environmental Awareness	60
2011 - 2012	Personality Development	117
	Skill development	110
	GDPI	115
	Computer literacy	100
	Collaborative Guidance for Competitive Exam Ex. Deepstambha, Dheya etc	50
	MPSC/ UPSC Examination Guidance	45
	Language improvement	65
	Environmental Awareness	62
2012 – 2013	Personality Development	50
	Skill development	45
	GDPI	40
	Computer literacy	35
	Collaborative Guidance for Competitive Exam Ex. Deepstambha, Dheya etc	30
	MPSC/ UPSC Examination Guidance	20

	Language improvement	45
	Environmental Awareness	50
2013 - 2014	Personality Development	96
	Skill development	90
	GDPI	85
	Computer literacy	80
	Collaborative Guidance for Competitive Exam Ex. Deepstambha, Dheya etc	40
	MPSC/ UPSC Examination Guidance	60
	Language improvement	65
	Environmental Awareness	60

For recruitment campus interviews are arranged for B.Sc. final and M.Sc. final students with the efforts of Career Counseling Cell. 12 Companies have shown their 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 with the efforts of Career and Counseling Cell, 3 students were recruited by the companies through campus selection.
- With the efforts of the Career and Counseling Cell, 15 students were recruited in various companies:

Sr. No.	Name of Company	No. of Students appear	No. of students selected	Date and Place of Interview
1	Infosys, Mysore	08	03	19/12/2011, Akola
2	Kirloskar Oil Engine Ltd. Ahmadnagar	22	06	09/02/2008 VMV, Malkapur
3	Reliance Life Insurance Co. Ltd. Pune	09	01	30/07/2008 VMV, Malkapur
4	Kirloskar Ltd. Kolhapur	10	05	2007 VMV, Malkapur

5.1.10 Does the institution have a student grievance redressed 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 Redressal 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

09 Student Grievances were redressed by this committee. These are as follows

S. No.	Name of Student	Type of Grievance	Year
1	Mr. U. D. Rane	Internal Marks	2012-13
2	Ku. D.V. Nikam	Internal Marks	2012-13
3	Ku. S. M. Rajput	Internal Marks	2012-13
4	Ku. A. D. Naphade	Internal Marks	2012-13
5	Ku. K. N. Rathi	Internal Marks	2013-14
6	Mr. S. S. Sohani	Internal Marks	2013-14
7	Ku. S. M. Chaudhari	Internal Marks	2013-14
8	Ku. V. U. Chavan	Internal Marks	2013-14
9	Ku. Kajal Narkhede	Internal Marks	2013-14

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	Chairman	Senior most woman Teacher
2	Sau. J. S. Kulkarni	Member	Female member on Teaching Side

		Secretary	
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. Not a single incidence about ragging has been reported during the last four year.

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	National Service Scheme 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 funded 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 comprising following members

S. No.	Name of Members	Batch Year	Designation in Committee
1	Shri. G. H. Kurhade	--	Prof. In-Charge
2	Dr. C. M. Bharambe	--	Prof. In-Charge
3	Mr. Vikas Mahajan	2005-06	President
4	Mr. Shaikh Iqbal Shaikh Ismail	2008-09	Vice-President
5	Mr. Kailash Gandhi	1995-96	Secretary
6	Mr. Vinayak Bhimrao Suradkar	2010-11	Joint Secretary
7	Mr. Swapnil Deshmukh	2012-13	Member
8	Mr. Prashant G. Kolte	1995-96	Member
9	Ku. Jayashri Pawar	2009-10	Member
10	Mr. Ravindra Patil	2005-06	Member
11	Mr. Ganesh Choudhary	2011-12	Member
12	Ku. Mamata Chandak	2012-13	Member
13	Ku. Papita Gawai	2011-12	Member
14	Ku. Musferra Khan	2010-11	Member

- 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 thoughts with other alumnae students and staff of the college.
- In the session 2013–2014, 110 alumnae were present in the alumni meet held on 2nd March 2014.

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	41/96	13/96	56.24
03	2012 – 2013	13/44	03/44	36.35
04	2013 – 2014	24/84	02/84	30.95

- The trend to progress to higher education and employment from PG 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	04/12	33.33

- 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	Asstt. Prof.	Abdul Razak Kalsekar Polytechnic college Panwel, Mumbai
	Mr. Mh. Aslam	Asstt. Prof.	Abdul Razak Kalsekar Polytechnic college

			Panwel, Mumbai
	Mr. P. G. Patil	Teacher	Kurlup, Walwa Dist. Sangali
	Mr. S. P. Patil	Chemist	Symbiotic Pvt. Ltd. Indore
	Mr. S. B. Jadhao	Teacher	Rajiv Gandhi Science College, Mehkar
	Mr. S. S. Chandak	Chemist	Q. V. Labs Pvt. Ltd Ankleshwar, Gujrat
	Mr. S. N. Dhumal	Chemist	Cipla Limited Co. Kurkumbh MIDC Tq- Daund. Dist: Pune
	Mr. V. B. Suradkar	Asstt. Prof. (CHB)	Department of Chemistry, Vidnyan Mahavidyalaya. Malkapur.
	Ku. D. M. Deshpande	Teacher	P.P. International School Pune
	Ku. D. R. Choudhari	Teacher	English Convent, Manmad
	Ku. S. D. Paraskar	Coaching Class	Sangrampur, Jalgaon Jamod, Dist-Buldana.
	Ku. M. S. Kolte	Teacher	Yoshodha English School, Dharangaon.
	Ku. M. F. Khan	Teacher	M. S. M. English School, Malkapur.
2011-2012	Mr. Atul Pawar	Chemist.	DRV Organics Pvt. Ltd. Boiser
	Mr. Furqanullah Khan	Asstt. Prof. (CHB)	Vidnyan Mahavidyalaya, Malkapur.
	Mr. G. R. Dube	Asstt. Prof.	Rajkar college, Boiser Dhavda. Dist- Jalna.
	Mr. G. B. Choudhari	Chemist	RC Industries Pvt. Ltd. Boiser
	Mr. Imran Khan	Lab Technician	Sub. Dist. Hospital, Malkapur.
	Mr. J. M. Dinore	Asstt. Prof.	Senior College, Sillod.
	Mr. K. P. Patil	Chemist	Suyog Pharma, Boiser
	Ku. K. C. Malpani	Teacher	School of Scholar, Malkapur.

	Mr. Mo. Wikar	Asstt. Prof. (CHB)	Zambad College Nandura.
	Mr. R. S. Chandak	Chemist.	Quality Control Labs. Pvt. Ltd., Ankaleshwar
	Mr. S. D. Salunke	Asstt. Prof. (CHB)	Yeshwant Junior College Bahadurwadi. Dist- Sangli.
	Mr. Syed. Rizwan	Chemist.	Lobha Pvt. Ltd. Mumbai
	Mr. Syed Sabir	Asstt. Prof. (CHB)	Bapumiya Junior College Pimpalgaon Kale.
	Mr. G. A. Shelke	Officer	Dabar India Ltd. Silvasa, Gujrat.
2012–2013	Mr. G. R. Ghogare	Talathi	Bhadgaon, Pachora Dist. Jalgaon Kh.
	Ku. S. S. Jadhao	Asstt. Prof. (CHB)	Department of Chemistry, Vidnyan Mahavidyalaya, Malkapur
	Mr. S. S. Patil	Chemist	Spectrochem Pvt. Ltd. Tarapur. Dist- palghar.
	Mr. Vishal B. Zende	Quality Control Officer	Balpharma Pvt. Ltd., Kenjal. Tq- Bhore, Dist- Pune.
2013–2014	Ku. M. D. Patil	Teacher	Yeshodham Public School, Malkapur.
	Ku. S. S. Mhasagar	Asstt. Prof. (CHB)	Department of Chemistry, Vidnyan Mahavidyalaya, Malkapur
	Mr. N. S. Barhate	Chemist	Service Engineer, Connell Bros Company Pvt. Ltd. Ballarpur
	Mr. R. D. Kshirsagar	Chemist	Chaitanya Chemical Pvt. Ltd. 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.	B.Sc.	B.Sc.	M.Sc. I %		M.Sc. II %	
	I %	II%	III%	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	40.71	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 2014-15	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 facilitates students progression 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 points out the students who are at the risk failure and drop out such students are counseled 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. Economically weaker and talented students are financially assisted by "Poor Student Welfare Scheme" and personal financial assistance by staff.
- For poor learners, "Remedial Coaching Classes" are run by the college, financially aided by UGC.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students at various levels.

College level activities are included for the session 2013-14 only.

Year	Name of Sport	Level	Number of the Students	Date	Place
2010 to 2011	Ball Badminton Girls	University	07	25/11/10 to 28/11/10	Amravati
	Kho-Kho	University	12	30/09/10 to 02/10/11	Nandura
	Athletics	University	02	04/10/10 to 06/10/10	Amravati
	Ball Badminton Boys	University	07	02/11/10 to 28/11/10	Amravati
	Power Lifting	State	01	27/11/10 to 28/11/10	Nagpur
	Power Lifting	State	01	18/12/10 to 19/12/10	Washim
	Selection Test	University	02	13/09/10 to 14/09/10	Amravati
	DnyanSanskar Camp	University	02	25/10/10 to 29/10/10	Mozari
	Rural Employment Workshop	University	02	2010-11	Amravati
	Organic Forming Camp	National	01	28/01/2011	Kosbag
	Debate	Local	04	20/12/2010	Malkapur
2011 to 2012	Chess	University	05	15/10/10 to 17/10/10	Shegaon
	Volleyball	University	11	14/10/10 to 16/10/10	Buldana
	Kho-Kho Girls	University	11	17/09/10 to 19/09/10	Murtizapur
	Power Lifting	University	01	12/12/11 to 16/12/11	Chikhaldara
	Ball Badminton	University	07	25/11/11 to 27/11/11	Malkapur
	Athletics	University	05	09/10/10 to 11/10/10	Amravati
	Kabbadi	University	12	15/09/11 to	Amravati

				19/09/11	
	Power Lifting	State	01	21/09/11 to 22/09/11	Nagpur
	Power Lifting	State	01	21/09/11 to 22/09/11	Nagpur
	Power Lifting	State	01	31/07/11 to 01/08/11	Nagpur
	Power Lifting	National	01	22/08/11 to 27/08/11	Delhi
	Power Lifting	National	01	31/01/11 to 06/02/11	Kerala
	Power Lifting	International	01	05/12/11 to 09/12/11	Japan
	Ball-Badminton	State	01	30/12/11 to 01/01/13	Chandrapur
	Ball-Badminton	National	01	10/01/12 to 13/01/12	Hydrabad
	Selection Test	University	02	30/08/11 to 31/08/11	Amravati
	Women Empowerment Workshop	University	01	03/10/11 to 04/10/11	Amravati
	R.D. Parade Selection Camp	State	01	30/11/11 to 03/12/11	Kolhapur
	Speech	College	05	20/12/11 to	Malkapur
	Seminar	Local	72	28/08/2011	Malkapur
	Annual Get-to-Gather NSS	University	02	13/01/12 to 14/01/2012	Amravati
	R.D. Parade Selection Camp	State	01	16/01/12 to 26/01/12	Mumbai
	Singing Competition	University	09	27/07/11	Akola
	Debate	Local	01	30/07/11	Malkapur
	Workshop	Local	08	31/01/2012	Malkapur
	AIM's Programming Contest	State	01	19/2/2012	Chalisgaon
	AIM's Programming Contest	State	02	3/12/2011	Chalisgaon

	Chemi-Quiz	University	01	31/1/2012	Amravati
2012 to 2013	Kho-Kho Girls	University	11	19/09/12 to 16/09/12	Shegaon
	Cricket	University	15	19/09/12 to 16/09/12	Shegaon
	Chess	University	06	19/09/12 to 16/09/12	Shegaon
	Ball-Badminton Girls	University	07	13/09/12 to 15/09/12	Malkapur
	Ball-Badminton Boy's	University	07	06/09/12 to 08/09/12	Malkapur
	Power Lifting	University	01	03/12/12 to 06/12/12	Buldana
	Power Lifting	National	01	20/02/13	Udaypur
	Kabbadi Boy's	University	10	06/09/12 to 09/09/12	Patur
	Power Lifting	University	01	03/12/12 to 06/12/12	Buldana
	One Act. Play	University	12	02/10/12	Amravati
	Mime	University	08	02/10/12	Amravati
	Painting	University	01	02/10/12	Amravati
	Antakshri	College	20	06/02/13	Malkapur
	Science Quiz	College	09	06/02/13	Malkapur
	Mahendi	College	14	07/02/13	Malkapur
	Science Exhibition	College	27	07/02/13	Malkapur
	Handy craft	College	23	07/02/13	Malkapur
	Rangoli	College	11	07/02/13	Malkapur
	Dance	College	60	08/02/13	Malkapur
	Drama	College	30	08/02/13	Malkapur
	Singing	College	06	09/02/13	Malkapur
	Fancy Dress	College	07	09/02/13	Malkapur
	One Man Show	College	02	09/02/13	Malkapur
	Musical Chair	College	60	09/02/13	Malkapur
	Potato Race	College	35	09/02/13	Malkapur
	Slow Cycle	College	32	09/02/13	Malkapur
	Three Legs	College	24	09/02/13	Malkapur
	Chess	College	08	09/02/13	Malkapur
	Cricket	College	66	09/02/13	Malkapur

	Volleyball	College	28	09/02/13	Malkapur
	Badminton	College	28	09/02/13	Malkapur
	Disaster Management Camp	State	01	07/07/12 to 16/07/12	Rahuri
	Disaster Management Workshop	District	02	15/10/12	Chikhali
	Student Council Workshop	University	02	03/11/12 to 05/11/12	Amravati
	Electrical Workshop	University	02	20/08/12	Amravati
2013 to 2014	Cricket	University	15	03/10/13 to 19/10/13	Malkapur
	Volleyball	University	12	14/09/13 to 18/09/13	Motala
	Chess	University	06	14/09/13 to 16/09/13	Barsitakli
	Ball-Badminton	University	07	03/09/13 to 05/09/13	Chikhali
	Music	University	08	26/09/13	Amravati
	One Act. Play	University	12	28/09/13	Amravati
	Mime	University	08	28/09/13	Amravati
	Painting	University	01	26/09/13	Amravati
	Poster Making	University	01	26/09/13	Amravati
	Skit	University	09	28/09/13	Amravati
	Ball-Badminton	National	01	19/12/13 to 24/12/13	Andhra Pradesh
	Mehendi	College	12	27/02/14	Malkapur
	Rangoli	College	06	27/02/14	Malkapur
	Handicraft	College	16	27/02/14	Malkapur
	Science Exhibition	College	27	27/02/14	Malkapur
	Science Quiz	College	09	26/01/14	Malkapur
	Debate	College	05	26/02/14	Malkapur
	Speech Competition	College	08	26/02/14	Malkapur
	Drama	College	44	28/02/14	Malkapur
	Dance	College	101	28/02/14	Malkapur
	Singing	College	06	01/03/14	Malkapur

	One Man Show	College	10	01/03/14	Malkapur
	Fancy Dress	College	02	01/03/14	Malkapur
	Antakshari	College	16	01/03/14	Malkapur
	Three Legs	College	35	01/03/14	Malkapur
	Slow Cycle	College	40	01/03/14	Malkapur
	Potato Race	College	32	01/03/14	Malkapur
	Musical Chair	College	65	01/03/14	Malkapur
	Rassi Khech	College	55	01/03/14	Malkapur
	Chess	College	06	01/03/14	Malkapur
	Cricket	College	88	01/03/14	Malkapur
	Carom	College	08	01/03/14	Malkapur
	Disk throw	College	10	01/03/14	Malkapur
	Running	College	10	01/03/14	Malkapur
	Volleyball	College	60	01/03/14	Malkapur
	Ball-Badminton	College	28	01/03/14	Malkapur
	Shot put	College	08	01/03/14	Malkapur
	Aptitude Test	Local	72	15/09/13	Malkapur
	Debate	District	02	07/09/13	Malkapur
	Debate	Taluka	01	2013-14	Malkapur
	Debate	Taluka	01	2013-14	Malkapur
	Technical competition	National	02	07/09/2013	Jalgaon
	Seminar competition	University	01	16/02/2014	Malkapur
	Seminar competition	University	01	13/03/2014	Amravati
	Workshop	District	09	09/03/2014	Chikhali
	Quiz and CPU Assembling	National	03	07/09/2013	Jalgaon

Participation of Students in Other Extracurricular Activities

1. **Blood donation:** 11 Students of the college listed below, were each donated 250 ml blood in the “JeevanJyoti Blood Bank”, Malkapur during 2011 and 2012.

Sr. No.	Name of Students	Class	Date of blood donation
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1	Mr. S. S. Bagade	B.Sc. I	25/01/2011
2	Mr. G. P. Sonone	B.Sc. II	25/01/2011
3	Mohamad Iftekar Ahmed	B.Sc. II	25/01/2011
4	Imran Khan Rashid Khan	B.Sc. II	26/07/2011
5	Mr. B. J. Khandekar	B.Sc. II	12/08/2011
6	Mr. S. S. Bagade	B.Sc. II	22/08/2011
7	Mr. C. R. Chandak	B.Sc. I	05/10/2011
8	Mr. K.K. Bhisen	B.Sc. I	05/10/2011
9	Mr. C.R. Chandak	B.Sc. II	23/06/2012
10	Imanullah Khan Amanullah Khan	B.Sc. II	28/09/2012
11	Mohmad Najmul Mohmod Yusuf	B.Sc. II	12/01/2012

2. 10th and 11th State Level C and C++ Programming Contest

S. No.	No. of Students Participated	Organized by	Date of Contest	Merit Rank Students at State Level
1	36	Smt. Sitabai Mangilal Agrwal Institute of Management at Chalisgaon (Jalgaon)	30 January 2011	1. Ku. Nikita Burad-B.Sc. II 2. Ku.Priyadershani Zambare-B.Sc. III 3. Ku.Kalyani Jaware-B.Sc. II
2	135		12 February 2012	1. Ku.Rupal Malpani-B.Sc.I 2. Ku. Bhagyashri Rathi-B.Sc. I 3. Ku. Payal Malpani - B.Sc. I

- ❖ Ku. Neha Deshpande, Ku. Poonam Varma have participated in “**Quiz competition**” and Ku. Geetali Paryani has participated in “**CPU assembling**” at National level technical event organized by G.H. Raison Institute of Engineering and Management, Jalgaon during 6th to 7th September 2013.

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 games held in Japan in the power lifting competition during 05 to 09 December 2011.
- He represented 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 represented 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.
- Mr. Lalit Wagh also represented Sant Gadge Baba Amravati University, Amravati in All India Interuniversity power lifting competition held at Udaypur on dated 20/02/2013.
- Mr. Lalit Wagh was honored as a best player in the power lifting competition sponsored by Ordinance Factory Sport Club, Bhusawal, held at Bhusawal (Maharashtra) on dated 22/06/2013 to 23/06/2013.

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

- Ku. Priyanka Kharche of B.Sc. II has participated at University level intercollegiate Chemistry seminar competition held at Chandur (Rly) on 31/01/2014 and secured first position.
- Ku. Monika Talreja of B.Sc. III was participated at 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 have participated in University level intercollegiate Chemi Quiz 2014 held at Chandur Bajar on 07/03/2014 and secured consolation prize.
- Mr. Vishal Zende of M.Sc. II presented poster on “Water Conservation” in National level technical competition held at Dr.

V. B. Kolte College of engineering, Malkapur dated during 07/03/2013 to 08/03/2013 and he secured fourth position.

➤ **Achievements in Extracurricular activities:**

- Mr. Bhushan Bhoite of B.Sc. II was selected in National Parade at Mumbai on dated 26th Jan 2009.
- Ku. Nilakshi Moreshwar Deshpande of B.Sc. II was selected in National Parade at Mumbai on dated 26th Jan. 2012.
- Ku. Pooja Rajput B.Sc.I has participated in competitive examination scholarship campaign 2013-14 held on dated 20th Jan 2014 and she secured First position and received the complete set of books for competitive examination.
- Mr. Dipak Kharate has participated in essay competition sponsored by Mahatma Gandhi Study Centre, Akola on thoughts of Mahatma Gandhi and secured third position.
- Ku. Pallavi Firke has participated in essay competition sponsored by Mahatma Gandhi Study Centre, Akola on thoughts of Mahatma Gandhi and she secured First position.
- Ku. Snehal Mhasagar and Mr. Dnyaneshwar Kshirsagar have participated in district level debate competition at Janta Kala, Vanijya Mahavidyalaya, Malkapur held on 07/09/2013 and they secured first prize.
- Ku. Snehal Mhasagar has participated in tahsil level debate “Swachta Mitra Karandak” at Malkapur held on 30/07/2011 and secured second position.
- Ku. Snehal Mhasagar has participated at tahsil and district level debate “Swachchhata Mitra Karandak” at Malkapur and Buldana held on 24/12/2013 and secured first and second position respectively.

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

- The institute has a 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 (Student Representative Council) 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 regular 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 Publications by students

Year	College Magazine ZEP	Conferences	Jagar Janivancha
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	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, National Service Scheme Co-coordinator, Director of sports, Topper's from each class in the previous examination, two girls student representative, one student representative from sports, cultural and National Service Scheme section.
- The students are selected on the merit basis. The student secretary of the college council is elected from amongst, the students representative. She/he represents the college in the University student council. Mr. Ninaji Ingle, University Representative of this college in 2014-15 is selected on the executive body of the University student council. Various programmes like Welcome function, Teachers day celebration, Festival celebration, Annual social gathering, Science day celebration, Birth and Death anniversaries of great persons and farewell function are organized by the SRC of college.
- Funding for conduction of various programmes is provided by the college through the Professor In-charge of Student Representative Council.

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 Council 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.	National Service Scheme 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 2014 - 2015:**

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 (Student Representative)

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

Subject	Name of Association	Committee Members
Chemistry	Chemistry Association	<u>Teacher Advisor</u> Shri. G.H. Kurhade Ku. P. M. Mukund Mr. Furqan Khan Mr. V. B. Suralkar <u>Students</u> 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	<u>Teacher Advisor</u> Dr. C. M. Bharambe (Zoology) Dr. Y. P. Patil (Botany)

		<u>Students</u> Mr. Dnyaneshwar Kshirsagar Mr. Arjun Dode Ku. Neha Rajput Ku. Kiran Rath Mr. Sachin Sohani
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➤ **Editorial board of College Magazine “ZEP” during 2013-2014:**

Name of Members	Class	Section	Designation in Committee
Dr. B. B. Wankhade	Principal	Publisher	Chairman
Dr. Y. P. Patil	Asstt. Professor	Editor	Teacher Representative
Prof. S. E. Warkhede	Asstt. Professor	Editor	Teacher Representative
Ku. Neha Deshpande	B.Sc. II	Marathi	Student Representative
Ku. Poonam Varma	B.Sc. II	Hindi	Student Representative
Ku. Swati Ingle	B.Sc. II	English	Student Representative

➤ **Student Ambassador of Election Commission during 2013-2014 and 2014-15.**

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

➤ **List of Teacher and Students Coordinators of various activities during 2013-2014:**

Name of Event	Name of Teacher coordinators	Name of Student 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
Alumni Association	Shri. G. H. Kurhade Dr. C. M. Bharambe	Mr. Vikas Mahajan Mr. Shaikh Iqbal Mr. Prashant kolte

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 their cultural activities and also to share their views with other alumnae, current students and faculties 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.?

Vision:

A scientific and educational community that is open and welcoming, creative and adaptive and renowned for excellence in knowledge and skills.

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, teacher's staff and stakeholders through the college prospectus, display on the main entrance of the college and display on the college website.

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 mentioned 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 norms, 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. At least two meetings 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 matter. 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 meeting.

As per the norms, staff council is formed including Principal as chairman, staff secretary elected from the staff and all confirm staff members. This staff council gives suggestions 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 :

- College is running single science faculty to focus on quality based higher education in 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 FOLIOS 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.	IQAC (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
08.	T. G. Scheme Coordinators		1. Prof. S.K.Karande
			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 Examination.	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:** The college has local managing committee which comprises Board of directors, Principal, Senior teacher and Non-teaching staff members.

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 which performs activities of the alumni and organize programmes during the annual social gathering and give their suggestion for improvement of the institution.
- **Students:** They are the backbone of the institution and interacts with stakeholders, experts from different fields.

d) Proper support for policy and planning through need analysis research inputs and consultations with the stakeholders

- Feedbacks from parent's students and peers are collected during their meet and their feed backs are read carefully and forwarded to management of the institution to implement in the future plan.

e) Reinforcing the culture of excellence:

- Felicitation of meritorious students for motivation
- Sending students outside the campus for Projects, Workshops and Seminars 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 the 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 meeting.
- The committees carryout the activities throughout 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. Seed money is provided to faculties to participate in conferences.
2. Staff members are motivated for higher education (Ph.D or M.Phil.)
3. Facilities are provided to work on various research projects funded by agencies like UGC.
4. Healthy atmosphere is created 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 for improving 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 positions at various levels in the various fields.
- College encourages students by appearing them as student's 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. Head of Department is a 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 prescribed 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. Head of Departments are involved in the selection committees as members at the time of recruitment of staff of their subject.
6. Department have authority to make 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 Management? If 'yes', indicate the levels of participative management.

- **Local Management Committee: -**

Governing body is constituted by management members, experts from various fields, head of institution, faculty and nonteaching staff members.

- **Student Representative Council: -**

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.

- **Internal Quality Assurance Cell (IQAC):**

It includes Principal, Members of Governing body, Staff members and members from account section.

- **Antiragging Committee:**

It includes Principal, Officer from police Department, Journalist, Parent, staff and Student.

- **Planning Board:**

It Includes Principal and staff of the college.

- **Annual Social Meet:**

Various staff and student incharges are nominated for participative management.

- **Building Committee:**

It comprises of Management member, a member nominated by the parent university, Government – engineer, Architect, Principal and Staff of the college.

- **Student and Staff 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, lady lawyer, lady socialist, senior teacher and girl students.

- **Magazine Committee: -**

Editorial board includes staff and students.

- **Departmental Association: -**

It consists of active 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 is around quality teaching. The policies about 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 decide planning for the utilization of 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.

- The Local Managing 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 the management for improvement of standards of teaching in the college and advice to the principal regarding intake capacity, workload and other related matters from 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 of one year:**
 - Ph.D. Course in Zoology.
 - PG course in Computer science.
 - DMLT Course of YCMOU, Nashik.
 - Research Projects
- **Long term perspective plan of three years:**
 - Library building
 - New Section of B.Sc. Course
 - Seminar Hall

6.2.3 Describe the internal organizational structure and decision making processes.

- Local managing committee prepares budget, recommends the creation of teaching and nonteaching posts and decides overall progress policies of the college.

- The principal is head of the institution and is responsible for implementation of policies decided by the governing body.
- The departmental policies are executed through head of the department. For various programme like SRC, National Service Scheme, Sports, career counseling etc, Professor in charges are appointed.
- The portfolios are distributed amongst the 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, anti-ragging committee etc.

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, rallies, conferences etc. The special committee 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:**

College staff includes Principal, 12 regular teachers including a librarian and a director of physical education, 07 office nonteaching staff and 6 technical staff. There are 16 teachers appointed on clock hour basis. Wet sweeper is appointed on contract basis. Security is provided by the running society. The work is divided into 03 parts:

1. Teaching-learning process:

Prime importance is given to teaching-learning process. In consultation with the staff, head of the department decides work load distribution at the beginning of the session. Teachers on clock-hour basis are appointed well in advance at the beginning of the session. Every teacher is well aware of their responsibilities. They prepare teaching plan which is submitted to HOD and is narrated to students. Every teacher maintains an academic diary through the session. Teacherwork load is well defined as per norms of the UGC which is strictly followed. Teachers are appreciated on good results while explanation is called for poor results. IQAC is established to look after the quality maintenance in teaching-learning process.

2. Administrative works:

Head of the Institution in consultation with all teaching and nonteaching staff distributes the portfolios of different work at the beginning of the session. Staff members have freedom to choose the portfolio of their choice. The conflict or difference of opinion (if any) is solved by discussion in the very first meeting of the session for smooth working of the college, following committees are formed and incharges and members of the committee are asked to submit their plan of action at the beginning and action taken report at the end of the session.

Sr. No.	Name of the Committee		Staff members
01.	Staff Council		Prof. Y.D. Patil
02.	S.R.C.		Prof. D. Y.Dhale
03.	IQAC (NAAC)		Dr. C. M. Bharambe
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
08.	T. G. Scheme Coordinators		1. Prof. S.K.Karande
			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 Examination.		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's 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

The duties of office work like accounting student Admission, Scholarship, Examination, ST bus passes, Enrollement etc. are equally distributed amongst three clerks. Duty of dry sweeping is allotted to two peons and concern laboratory attendance.

3. Activities.

Activities are divided into 06 groups like a) Research b) Co-curricular c) Cultural d) Sports e) Extension f) Excursion

Committees are declared at the beginning of the session Professor incharges and Head of the departments prepares schedule of the activities. The programmes are arranged with the prior approval of Head of the Institution. As and when required students are included in the management of programme or conduction of activities. The incharges

forms sub-committees with the approval of Head of the Institution. Few of them are mentioned here.

- a) Internal Quality Assurance Cell.
- b) NAAC Steering committee.
- c) Admission committee.
- d) Time –Table Committee.
- e) Disciplin Committee.
- f) Research Committee.
- g) Planing Board.
- h) Building Committee.
- i) Student Representative Council.
- j) Library Committee
- k) Student and staff grievance committee.
- l) Women harassment prevention committee.
- m) Anti ragging Committee.
- n) Associations (subject wise).
- o) Editorial board of College Magazine “ZEP”.
- p) Alumni Association.
- q) Excursion committee.
- r) Sport Committee.
- s) Extension Committee.

➤ **Industry interaction**

The students and faculty members visits 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?

Information is collected through various means like

- 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
- Visits 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.

Proper information like infrastructural facilities are placed before meetings for approval of implementation.

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

The management is always ready to involve staff in improving the effectiveness and efficiency of the Institutional process. For this

- Informal meetings of management, Head of the institution and Staff meetings are held regularly.
- Appreciation letters for good result and Warning for poor result are given to staff.
- Funds are provided for research paper presentation.
- Active participation of staff in the decision making in governing body (LMC), building committee, planning board, academic calendar and other committees is always encouraged.

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 are implemented for the college development.

LMC Resolution

1. Meeting dated 18/7/2013 at 3.00 p.m.

Agenda

- a. Confirmation of minute of last meeting held on 5/7/2012
- b. Budget 2013-14
- c. Review of academic work
- d. New courses in the college

The meeting was presided by Shri. Dattabhau Mahajan. In all 10 members were present. Following resolutions were made

- i. The minutes of last meeting were read by the secretary of LMC. The minutes were confirmed without any correction.

Proposed by Shri Govind G. Baheti and seconded by Dr. C. M. Bharambe

- ii. Budget for 2013-14 was placed before the meeting by the secretary of LMC. After discussion over it, the budget was sanctioned.
- iii. A report including examination result and other activities was placed before the meeting. After discussion it was concluded that there is scope to improve the results.
- iv. Shri Umalkar suggested starting new courses like DMLT. Dr. C. M. Bharambe seconded this suggestion. It was resolved unanimously to apply to YCMOU, Nashik in the coming session so that college can start the course from 2014-15.

With the permission of chair the meeting was concluded.

2. Meeting dated 26/12/2013

Agenda

- a. Confirmation of minutes of last meeting
- b. Review of academic work
- c. NAAC Accreditation
- d. Any other point with the permission of chair

Meeting was started at 3.00 p.m. in the meeting room. It was presided over by Shri Dattabhau Mahajan.

1. Minutes of last meeting held on 18/07/2013 were placed before the meeting. The minutes were confirmed without any correction. Proposed by Prof. D. Y. Dhale seconded by Prof. G. H. Kurhade

2. Discussion was held on completion of syllabus, cultural activities and other activities like extension and co-curricular in the first term.
3. Principal gave information about NAAC accreditation, as college has already entered in the process, LMC gave its approval to go for accreditation (cycle 2).
4. The information regarding placement of Dr. Y. P. Patil of Botany department was placed before meeting. LMC gave its approval to do the procedure for placement of Dr. Y. P. Patil under CAS.

The meeting was concluded with vote of thanks.

3. Meeting dated 10/06/2014

Agenda

- a) Confirmation of minutes of last meeting
- b) Increment to J.S. Kulkarni (Librarian)
- c) Budget for the session 2014-15
- d) Closing of bank account in BDCC branch, Malkapur
- e) Recruitment of Staff

Meeting was started at 3.00 p.m. under the chairmanship of Shri Dattabhau Mahajan.

- i. The minutes of last meeting held on 26/12/2013 were placed before meeting and were confirmed without any suggestion.
- ii. Principal placed the record of Mrs. J. S. Kulkarni appointed in December 2000 (NET/SET affected) and no increments given till date. After discussion, it was resolved to send the proposal of increment with effective from 2000 to JD office Amravati for approval.

Resolution proposed by Shri. Govind G. Baheti, seconded by Shri. R. Umalkar

- iii. Budget of the college including UGC grants and expenses for NAAC accreditation was placed before meeting. After discussion the budget was approved.

Proposed by Shri. Govind G. Baheti

Seconded by Prof. G. H. Kurhade

- iv. The principal explain that there is an account in BDCC, Bank which was open for B.Sc. computer (Non grant-in-aid Subject). As now the computer subject is granted, the account is of no use. It was decided to close the account and transfer the amount to non salary account of the college.

Proposed by Shri. Vasantrao Shinde

Seconded by Dr. C. M. Bharmbe

- v. After discussion on recruitment of staff, LMC gave its approval to recruit staff as per norms.

The meeting was concluded with vote of thanks.

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 Gadge Baba 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):2013-14**

S.No.	Name of Members	Post
1	Dr. B. B. Wankhade	Chairman
2	Shri. D. Y. Dhale	Professor Incharge
3	Shri. S. V. Borle	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. Dnyaneshwar Kshirsagar	Cultural Representative
11	Mr. Amol Patil	Representative
12	Mr. Amol Ingle	Sports Representative
13	Ku. Pooja Ochhani	Ladies Representative

14	Ku. Neelam Sharma	Ladies Representative
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• **Anti-ragging 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	Co-ordinator	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 approach 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 decisions are taken from 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 collects 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 two staff members, submission of Ph.D. thesis by one staff member, registration for Ph.D. of three staff members, award of M.Phil

degree to three staff members and 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 training programme for the teaching and nonteaching staff like soft skill development, computer awareness etc. are arranged.

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 concerned.
- 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 adopt good practices in teaching learning process. Extra period are taken at early stages of the session.

- Performance of nonteaching staff is evaluated by Head of Department and head clerk and then by head of institution.
- Evaluation of performance of staff by the student is regular practice.
- Principal also offers his evaluation of performance by the staff.

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 teachers are placed in the higher places 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.
- Insurance is provided to each staff member by opening Group policy of Life Insurance Corporation of 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 like Gorakhnath, Manudevi, and Omkareshwar etc.
- Guarantee of deduction of premium of the personal and home loans is provided.
- Funds are given to present research paper in the conferences at various levels and amount of Rs. 11,922/- is granted towards this category during last five years.
- Training like use of computers, networking, communication etc. are organized for staff members with free of cost.
- Free access 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.
- Software training programmes like Office and library automation for office and library staff are organized.

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 Gadge Baba Amravati University, Amravati. The post for recruitment is sanctioned by Director of Higher Education and Registrar of Sant Gadge Baba Amravati University, Amravati. The roster checked and passed by Board of College and University Development Cell of Sant Gadge Baba Amravati University, Amravati and commissioner of Amravati region. For the vacant fulltime post, the draft of advertisement is sanctioned by Sant Gadge Baba Amravati University, Amravati and it is 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 recruited on 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 is credited to individual staff member's account in Bank of Maharashtra.
- 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 registered firms, after preparing comparative statement under the supervision of purchase committee and approved by the Head of the institution and the Management. The orders are placed to the firms who have quoted lowest prizes.
- Payment is made through 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. Dharng aonkar (C.A.), Malkapur, date of last internal audit is 12/06/2014
- The finance and account operations of the college are externally audited by senior auditor deputed by joint director of higher education Amravati. Date of last external audit is 09/12/2012.

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 statements of academic and administrative activities of the last four years are 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 grants 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 (IQAC)

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 current committee comprises 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	Management
5	Dr. N. S. Kharche	Member	Local Society
6	Dr. C. M. Bharambe	Co-ordinator	Asstt. Prof.
7	Shri. S. K. Karande	Member	Asstt. Prof.
8	Sau. V. N. Saoji	Member	Asstt. Prof.
9	Shri. Y. D. Patil	Member	Asstt. Prof.
10	Shri. A. J. Rathi	Member	Asstt. Prof.
11	Shri. G. H. Kurhade	Member	Asstt. Prof.
12	Shri. V. S. Deole	Member	Asstt. Prof.
13	Shri. S. G. Narkhede	Member	Head Clerk Office Admin.

IQAC contributes in the educational quality enhancement of the college. It takes review on feedings 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 has been approved and was actually implemented. Some implementations are as follows.
- Advanced laboratory instruments and teaching aids are purchased.
 - Research planning board is established and active during each academic session.
 - 03 Minor Research Projects funded by UGC are completed.
 - Career Oriented Programme as “Water Quality and Soil Testing” was 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 graduate course in the subject Chemistry was started.
 - Chemistry laboratory recognized with capacity of 8 students for Ph.D. research work
 - Some teacher acquired higher 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.

- Yes.

Dr. N. S. Kharche, Ex. Principal of Janta Kala, Vanijya Mahavidyalaya, Malkapur and eminent educationalist is a member of

IQAC.

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 are 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 member. It includes teaching plan, daily work, periods engaged, teaching load, result analysis, session test record and of all other activities. It is being revived by Head of the Departments 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 are 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 the norms of Sant Gadge Baba Amravati University Amravati, State Government of Maharashtra and UGC regarding quality assurance.

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 reviewed by Head of the Departments and the Principal.

The subject wise result is analyzed and is discussed in the staff and Head of the Departments meetings. The appreciation letter is given to the staff members for their excellent result in their subject. The explanation is called 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.
- AQAR was prepared by IQAC at the end of each session and was sending to the NAAC, during 2004-05 to 2006-07.
- 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 maintained clean and green campus. The varieties of trees like Saptarni, Neem, Banyan, Seasm etc are planted in the campus to increase the carbon credit. Casurina trees are also planted to reduce the pollution particularly by SPM (suspended particulate matters) and cotton threads. Royal palm; Ficus, Lily are also planted for the ornamental 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 rooms 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 allowed to percolate in the well through constructed pit to increase water level of the water resources of the campus.

❖ Efforts for Carbon Neutrality:

Well known carbon crediting trees like Saptarni, 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.

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.

➤ **Fostering global competencies:**

Global competencies involve effective communicating skill interpersonal skill, leadership qualities and being a good team player. The following initiatives have been taken to foster the global competency among students.

a) 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 assessing by giving them assignment, conducting seminar, group discussion, class test, industrial visit, excursion tour, innovative projects etc.

b) 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.

c) Remedial coaching classes for educationally backward SC, ST, OBC and minorities:

To cope up with peace 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.

d) 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.

e) 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.

f) 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.

g) 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.

h) 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.

- i) Study tour:** To enhance teaching and learning process, excursion tour and industrial visit are organized during each semester of the every academic session.
- j) 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.
- k) Research:** The Chemistry Laboratory is recognized for the research work.
- l) DMLT Course:** Diploma in Medical Laboratory Technique, affiliated to YCMOU, Nashik is started.
- m) MOU's:** MOU's with pathology laboratories, District hospital, Rasoya Ltd., Wild Life Conservation, Chaitanya Chemical Pvt. Ltd., Ecology and Fisheries an academic board.

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.

List of the best practices is as follows:

1. Teacher Guardian Scheme
2. Cultural Activities
3. Extension Activities (throughout the session)
4. Seminar, Test, Workshop-Conduction, Motivation for participation
5. Student's Participation in various committees
6. Excursion Tours
7. Poor Student Welfare Fund Scheme
8. Book Bank Facility, Additional Book facility and books on Deposition facility
9. Revision on syllabus topics (After completion of term)
10. Continuous Evaluation, Learners classification, special attention
11. Display Attendance of students
12. Teaching plans and execution
13. Academic Diary maintain by teachers
14. Student's Association Activities
15. Sports day Celebration
16. Feedback system
17. Active Alumina
18. Grievance committees – in place
19. Magazine

BEST PRACTICE I: Teacher Guardian scheme

Goals:

1. To analyze qualitatively learning states of the students
2. To record academic performance of the student
3. To lowers 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 students 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.

List of the Teacher Guardians with batches and number of students, given below

Name of Teacher Guardian	Class	Batch	Roll No. From to		No. of Students
Shri. S.V. Borle (I/c B.Sc. I Bio Gr.)	B.Sc. I	B1	01	22	22
Dr. Y. P. Patil		B2	23	42	20
Shri. A. J. Rathi		B3	45	66	21
Shri. D. Y. Dhale (I/c B.Sc. I Phy Gr.)		B4	71	105	34
Mo. Aqheel		B5	112	130	17
Shri. Y. D. Patil		B6	131	164	30
Shri. G. H. Kurhade (I/c B.Sc. II Che Gr.)	B.Sc. II	B1	1	23	23
Mrs. V. N. Saoji		B2	24	45	21
Dr. R. T. Parihar		B3	61	96	36
Shri. S. E. Warkhede		B4	101	130	28

(I/c B.Sc. II Cps Gr.)					
Ku. P. S. Mandviya		B5	131	155	21
Dr. C. M. Bharambe (I/c B.Sc. III Bio Gr.)	B.Sc. III	B1	1	33	29
Ku. P. M. Polakhare		B2	35	52	18
Shri. S. K. Karande (I/c B.Sc. I Phy Gr.)		B3	53	92	34
Ku. B. A. Hinge		B4	102	123	18

Problem encountered and Resources Required:

- 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.
- Valuable time of faculty member.
- Stationary costing about 2000 Rs per year is provided by the institute.

BEST PRACTICE II: Cultural activities throughout the session

Goals:

1. To provide platform to the student to show their hidden talent.
2. To boost the confidence of the students.
3. To conduct participatory programme to involve almost all students.
4. To develop spirit of team work among the students and staff.
5. To release the stress of the students.

6. To give opportunity of leading the event for inculcation of leadership among the students.
7. To interact the students with Ex-students and peers to develop healthy relationship.

Context:

As per the mission of the college of quality education, empowering personalities and development of responsible members of the society and to achieve the goals of the college like to develop humanism, spirit of enquiry and reform in the youth of society, development of various basic skills among the students so as to become independent members of the society and to provide platform for the development of physical, mental and moral strength through sport, extension and co-curricular activities, college provides ample of opportunities to the students through the organization of cultural activities throughout the session.

The practice and the evidence of the success:

At the beginning of the session the plan of action of the cultural activities is prepared by the Professor Incharge. Student representative council of the college is established at the beginning of the session. It includes one student representative who is excellent in cultural activities. Generally specific days like Independent day, Dahi Handi, Ganesh festival, Republic day, Youth day and Birth and Death anniversaries of some great personalities are celebrated.

On the eve of independent and Republic day which is celebrated jointly by MSM, English School (sister institute) and Vidnyan Mahavidyalaya, cultural activities like Dance and Singing on patriotic theme are performed. On the occasion of Krishna Janmastami, Dahi Handi is organized every year, where all students, staff and Director of

management enjoys the function followed by dance. Ganesh festival is celebrated by organizing various competition and by organizing Anand Melawa, in which students groups arranges various foods and funs stalls and enjoys the event.

Youth festival is organized by the parent University every year. 30 to 40 students of this college takes parts in this events in Dance, Mime, Singing, Drama, Rangoli and other events. Students are also allowed and motivated to participate in the competitive like Debate, Extempore and Singing etc, organized by other institutions.

A campaign of Jagar Janivancha was conducted in 2012-13 and 2013-14, in which students have performed street play and participated in various competitions like Speech, Poem, Essay and Posters.

The opportunity to develop leadership and to show hidden talent amongst students is mainly given to them in the annual mega cultural event i.e. Annual Social Gathering. Every year name of this event is changed and it is chosen from amongst the names suggested by the students.

Cultural activities included One act play, Mime, Painting, Antakshari, Mehendi, Rangoli, Handy craft exhibition, Dance, Singing Fancy dress, One man Show, Drama, Musical drama, Pass to pass and many other entertaining programmes. Programme is organized by student's representative council. Teacher and student organizers are appointed for each event. Winners are felicitated by giving them awards and certificate is given to each participant in the prize distribution ceremony. Alumnae of the college are also invited at the time of gathering. They are also given opportunity to perform some cultural activities on the dais.

On sport day celebration, some simple games like musical chair, Potato race etc. is organized to increase the participation and involvement of maximum students.

Date of some cultural events and participation of student is summarized as follows.

Sr. No	Event	2010-11		2011-12		2012-13		2013-14	
		Date	No. of student	Date	No. of student	Date	No. of student	Date	No. of student
1	Independence Day	15/08/2010	14	15/08/2011	15	15/08/2012	20	15/08/2013	18
2	Youth Festival	26/09/2010	12	---	33	02/10/2012	20	28/09/2013.	37
3	Musical chair	23/12/2010	50	25/01/2012	55	05/02/2013	60	26/02/2014	65
4	Annual Social Gathering	23 to 26/12/2010		25 to 28/01/2012		06/02 to 08/02/2013	209	27/02/2014 to 01/03/2014	262
5	Republic day	26/01/2011	16	26/01/2012	20	26/01/2014	18	26/01/2014	20
6	Dahi Handi	---	---	---	---	---	---	31/082013	120

Problem Encountered:

- 3 to 4 teaching days are affected.
- Few students take some time to switch from enjoyment mode to the study mode.

Resources Required

About Rs. 30000/- amount is required to conduct all cultural activities throughout the session. As per the norms of parent University, Rs. 60/- from each student is collected as extracurricular activity fees. About Rs. 20000/- are expended on this head and remaining expenses are meet out from the college account.

Evaluative Report of Department of Chemistry

1. Name of the department : **Chemistry**
2. Year of Establishment : **UG -1993**
: **PG -2007**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG Programme: B.Sc.**
: **P.G. Programme: M.Sc.**
: **Ph.D.**
4. Names of Interdisciplinary courses and the departments/units involved:
Nil.
5. Annual/ semester/choice based credit system (programme wise):
•Semester system for U.G. & Choice based credit system for P.G.
6. Participation of the department in the courses offered by other Departments: **Participation in Career Oriented Programme.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc: **Nil.**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil.**
9. Number of teaching posts

	Sanctioned	Filled
Professors	1	1
Associate Professors	--	--
Asst. Professors	4	3

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

Name	Qualification	Designation	Specialization	No. of Years of Experience		No. of Ph.D. Students guided for the last 4 years
				UG	PG	
Dr. B. B. Wankhade	M.Sc., M.Phil., Ph.D.	Principal	Organic Chemistry	27	06	03
Mrs. V. N. Saoji	M.Sc.	Head of the Department Asst. Prof.	Organic Chemistry	21	06	--
Shri. G. H. Kurhade	M.Sc., B.Ed., M.Phil	Asstt. Prof.	Physical Chemistry	16	06	--
Dr. R. T. Parihar	M.Sc., B.Ed., Ph.D.	Asstt. Prof.	Organic Chemistry	15	06	--
Ku. P. M. Kothari	M.Sc.	CHB	Organic Chemistry	--	--	--
Shri. V. B. Suradkar	M.Sc.	CHB	Organic Chemistry	03	03	--
Ku. G. U. Karande	M.Sc.	CHB	Organic Chemistry	--	--	--
Mr. Furqanullah Khan	M.Sc.	CHB	Organic Chemistry	03	03	--
Ku. S. S. Mhasagar	M.Sc.	CHB	Organic Chemistry	--	--	--
Ku. G. R. Falke	M.Sc.	CHB	Organic Chemistry	--	--	--

11. List of senior visiting faculty :

1. Dr. V. S. Jamode, Ex. Pro.V.C. S.G.B.A.U. Amravati.

Guest lecture for M.Sc. Student on NMR. (08/09/2012)

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Year	2013-14
------	---------

U.G.	17.64%
P.G.	88.00%

13. Student -Teacher Ratio (programme wise) :

Year	2013-14
U.G.	56:1
P.G.	8.3:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Technical Staff Sanction: 02 Filled: 02
 (With common Assistant)
 Assistant : 01 Attendant: 01

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ MPhil/PG.:

M.Phil, Ph.D : 01
 Ph.D : 01
 M.Phil : 01
 P.G : 07

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **Nil.**

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: **01 (Rs. 50000/-)**

18. Research Centre /facility recognized by the University:

- i. Research laboratory recognized by Sant Gadge Baba Amravati University Amravati with 8 research scholar capacity.
- ii. Dr. B. B. Wankhade is Research guide recognized by Sant Gadge Baba Amravati University, Amravati
- iii. Dr. R. T. Parihar is Research guide recognized by Gondwana University, Gadchiroli.

19. Publications:

a) Publication per faculty :

S. No.	Name of Faculty	Total No. of Publication	National	International
1	Prof. G. H. Kurhade	1	--	1
2	Dr. R. T. Parihar	5	--	5

S. No.	Name of Faculty	Total No. of Paper Presented	Conferences	
			National	International
1	Prof. G. H. Kurhade	2	--	2
2	Dr. R. T. Parihar	2	1	1

b) Number of papers published in peer reviewed journals (national /international) by faculty and students:

Sr. No.		Name of Faculty	Number
1	Number of papers published in peer reviewed journals (national /international)	Shri. G. H. Kurhade	01
		Dr. R. T. Parihar	05
2	Chapter in books	Prof. V.N. Saoji	01
		Shri. G. H. Kurhade	01
		Dr. R. T. Parihar	03
3	Books Edited	Prof. Dr. B. B. Wankhade	01

20. Areas of consultancy and income generated:

Developing the consultancy for

I. Water analysis

II. Soil Testing

Income generated: **Nil.**

21. Faculty as members in

a) National committees: **Nil.**

b) International Committees: **Nil.**

c) Editorial Boards:

Dr. B. B. Wankhade is a member in the editorial board for Text Book of B.Sc. II (S-III) with ISBN-978-93-84228-57-6 during 2014.

22. Student projects-

a) Percentage of students who have done in-house projects including inter departmental/programme:

I. Curriculum includes the project assignment for B.Sc. II and B.Sc. III students.

II. Curriculum includes the project for M.Sc. II(S-IV) students.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:

Ku. P. J. Malpani & Ku. B.S. Rathi was participated in under graduate research training at NCL Pune from, 16/05/2012 to 16/07/2012 under the guidance of Dr. C. V. Ramana, Scientist.

23. Awards/ Recognitions received by faculty and students

Students:

1. Mr. V. B. Zende of M.Sc.II 4th Position in poster competition Tech- Tantra 2013 at National Level.

2. Ku. P. A. Kharche of B.Sc. II Participated in the Inter Collegeats University level Seminar Competition organized by

AUCTA at Chandur Rly. She awarded with First Prize during 2013-14.

3. Ku. Monika Talreja, B.Sc.II participated in Seminar competition organized by AUCTA, at Amravati. She awarded with first prize during 2013-14.

4. Ku. Pooja Rajput & Ku. Wajeda Anjum firoz Khan B.Sc. I participated in Chemistry Quiz competition organized by AUCTA at Chandur Bazar. Both awarded with consolation prize during 2013-14.

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

a. Dr. V. S. Jamode Ex. Pro.V.C. S.G.B.A.U. Amravati.

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

a) National: Not organized.

b) International: Not organized.

Intercollegiate one day seminar competition was organized for M.Sc. I students on 16/02/2014 in collaboration with AUCTA.

It is funded by AUCTA & staff Members.

26. Student profile programme/course wise: 2013-14

Name of the Course/programme	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. I	Centralized Admission	96	17	79	Sem-I -56.25 Sem-II-61.46
B.Sc. II		90	28	62	Sem-III- 62.22 Sem-IV-43.33
B.Sc. III		56	18	38	Sem-V – 62.50 Sem-VI-78.57

M.Sc. I	13	13	6	7	Sem-I-27.27 Sem-II-50.00
M.Sc. II	12	12	6	6	Sem-III-91.66 Sem-IV-33.25

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100%	--	--
B.Sc. II	100%	--	--
B.Sc. III	100%	--	--
M.Sc. I	100%	--	--
M.Sc. II	100%	--	--

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

02 Students cleared SLET and NET examination which is eligibility for Lectureship as given below

Sr. No.	Name of students	Exam.	Year
1	Mr. V. B. Suradkar	SLET	2013
2	Mr. J. M. Dinore	NET	2013

29. Student progression

Student progression	Against % enrolled
UG to PG : 2013-14	27.38%
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
• Campus selection • Other than campus recruitment during 2013-2014	2.38
For P.G. 2013-2014	50.00
Entrepreneurship/Self- employee	--

30. Details of Infrastructural facilities

a) Library:

Some books are available in department and College library is available for students.

b) Internet facilities for Staff & Students:

Yes, available in N.R.C.

c) Class rooms with ICT facility:

As when required this facility is availed by Department of Computer Science. Common LCD, Laptop, OHP facilities available to teach in the classroom.

d) Laboratories:

U.G., P.G. and Ph.D. research work has separate sections in the Department of Chemistry.

31. Number of students receiving financial assistance from college, university, government or other agencies:

During 2013-14, 127 number of students received financial assistance from different agencies as given below

Sr. No.	Government Assistance Scholarship	No. of Student
B.Sc. I	GOI	31
B.Sc. II	GOI	44
B.Sc. III	GOI	37
M.Sc. I	GOI	08
M.Sc. II	GOI	07
Total →		127

32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts

1) Guest lecturers for enrichment of students were organized like

- a. Dr. V. S. Jamode, Ex. Pro. Vice-chancellor of Sant Gadge Baba Amravati University, Amravati, delivered lecture on NMR Spectroscopy on dated 08/09/2012.

2) Intercollegiate one day seminar competition at University level for M.Sc. I students were organized in the college on dated 16/02/2014

- i. Dr. R. E. Khadsan, Principal Burangule Science College, Shegaon as a Chief Guest for Inaugural function.
- ii. Dr. H. S. Chandak, Asstt. Prof. , G. S. College, Khamgaon & Dr. M. O. Malpani, Asstt. Prof., Khandelwal College, Akola are invited for Judging.

3) Student Enrichment Programmes:

- i. 08 Students of M.Sc. II attended workshop on spectroscopy organized by Shri. Shivaji Arts, Commerce and Science College Akola on dated 14/07 to 20/07 /2014.

- ii. 11 Students of U.G. & P. G. Participated in Intercollegiate seminar competition, at University level organized by AUCTA and in collaboration with one of the affiliated college of Amravati University.
- iii. 25 Students of B.Sc. participated in one day industrial visit to Rosoya oils Pvt. Ltd., Malkapur on dated 17/12/2012.
- iv. 08 Students participated in University level chemistry quiz competition during 2010-2014.
- v. 02 Students participated in undergraduate research training program at NCL, Pune from 16/05/2012 to 16/07/2012 under the guidance of Dr. C.V. Ramana, Scientist.
- vi. 13 Students of B.Sc. III participated in Aptitude test, organized by AUCTA during 2012.
- vii. 59 Students of UG participated in ACT (Association of Chemistry Teachers) Test of Homi Bhaba Centre for Science Education, Mumbai during 2013-14.
- viii. 09 Students participated in National level Tech Tantra at V. B. Kolte Engg. College Malkapur on dated 07/03 and 08/03/2013

33. Teaching methods adopted to improve student learning

- 1) By using models with Ball-stick method to improve student teaching learning.
- 2) Self prepared notes of some chapters included in curriculum, are provided to students.
- 3) LCD, Laptop and OHP method were adopted to improve student learning.

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities

Mrs. V. N. Saoji

1. Chairperson of the women grievance committee from 2005 to till date.
2. Co-programme officer of National Service Scheme during 2010-13.

Shri. G. H. Kurhade

1. Programme Officer for National Service Scheme during 2010-13.
2. Member of Vikasratana inspection committee in Buldana district on 23-24 November 2011
3. Member of ARSH committee sub district hospital, Malkapur.

Dr. R. T. Parihar

1. Programme Officer for National Service Scheme during 2006-2009.
2. Working as a area co-coordinator for NSS from 23/09/2011 to till date.

Participation in Extension Activities:

Name of Faculty	Speech delivered	Workshop attended	As a Judge	Seminar attended	Guest Lecture delivered	Co-coordinator or sub-coordinator
Shri. G. H. Kurhade	8	01	02	--	01	02
Dr. R. T. Parihar	11	04	06	01	--	04

35. SWOC analysis of the department and Future plans**Strength:-**

- 1) Running P.G. Programme
- 2) Recognized research Laboratory
- 3) Syllabus based objective test are conducted & for encouragement, prizes are given (1st & 2nd) by Chemistry Association.
- 4) Organization of seminars, group discussion, quiz competitions & aptitude test for students is usual practice.

- 5) Prizes are given by faculty members of the Chemistry Department
B.Sc. I Chemistry. Topper (by Principal Dr. B. B.Wankhade)
B.Sc. III Chemistry Topper of College (by Prof. G. H. Kurhade)

Weakness:

- 1) Deficiency of one regular faculty leads overburden to present regular faculty.

Opportunities

- a) Availability of recognized research laboratory for rural based students.
- b) Faculty members of department have opportunity to serve as an examiner for other universities.
- c) Staff members are allowed to attend the conferences, workshop, seminar & training programme.

Challenges:

- 1) To maintain quality of education.
- 2) To prepare student s for competitive examination.
- 3) Rural based input of students weaker in basic understanding.

Paper Published In International Journals

Shri. G. H. Kurhade

- 1) COMFA Analysis & Toxicity risk assessment of Coumarin analogues as MaO- A Inhibitors Attempting better insight in drug-design.
ISSN09575-5071 USA CODEN: DPLEB 4 (2010).

Paper / Poster present in International Conference

- 1) Physicochemical study Soil of Narwel village District Buldana of Maharashtra State on 28-30 November 2013.
- 2) Pyrolyzed Carbonblack in Synthetic Polymer.
(Pyrolized Carbon Black obtained from Scrap Tyre in Synthetic Polymer.)

Paper Published In International Journals

Dr. R. T. Parihar

- 1) Synthesis of 4-Aroylisoxazoles and Effects of Chlorosubstituted 4 Aroylisoxazoles on some Horticultural Crop Plants.
Vol.4. No. 3 (2011),660-665 ISSN:0974-1496 CODEN:RJCABP
- 2) Variations In Yield & Biochemical Contents of Brassica Juncea After Treatment Of Fly Ash. Bulletin of Pure and Applied Sciences Vol.30B – Botany (No.1-2)2011:P51-53.
- 3) Chlorosubstituted 1, 3 Thiazines in Rasayan Journal of Chemistry Vol.5/No.1/127-130/January-march/2012. ISSN: 974-1496/CODEN-RJCABP.
- 4) A Novel functions for 4-Aroypyrazolines & Isoxazolines in growth promoting effects on some Horticultural Crops IJCPS Vol.1 No.2 Nov-Dec-2012 ISSN:2319-6602
- 5) ECO Friendly synthesis & Potent Antimicrobial Activities of Pyrazole & Isoxazoles IJCPS Vol. 1, No.2 Nov-Dec.2012. ISSN:2319-6602

Paper / Poster present in International Conference

- 1) Physicochemical study Soil of Narwel village District Buldana of Maharashtra State on 28-30 November 2013

Paper / Poster present in National Conference

- 1) Synthesis of 4- Aroyl pyrazoles & Antibacterial activities of 4- Aroyl pyrazoles. In Shri Shivaji Science College Nagpur on 16 Dec,2011.

Evaluative Report of Department of Botany

1. Name of the department : **Botany**
2. Year of Establishment : **1993**
3. Names of Programmes / Courses offered
(UG, PG, M. Phil., Ph.D., Integrated Masters;
Integrated Ph.D, etc.) : **UG Programme: B.Sc.**
4. Names of Interdisciplinary courses and the departments/units involved:
Nil.
5. Annual/ semester/choice based credit system (programme wise):
• Science, Semester Pattern (Sem. I to Sem. VI)
6. Participation of the department in the courses offered by other Departments
: **Nil.**
7. Courses in collaboration with other universities, industries, foreign
institutions, etc : **Nil.**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil.**
9. Number of teaching posts

	sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	3	2

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	
				UG	PG
Shri. S. V. Borle	M.Sc., B.Ed.	Asstt. Prof. (HOD)	Cytogenetic	23	--
Dr. Y. P. Patil	M.Sc., Ph.D.	Asstt. Prof.	Mycology	9	--

11. List of senior visiting faculty : **Nil.**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : **11.1%**

13. Student -Teacher Ratio (programme wise): **63.5:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Technical Staff: Sanction: **01** Filled: **01**

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ MPhil/PG.:

P.G. -01

Ph.D. -01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :**Nil**

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

:

Sr. No.	Name of Project	Grant Sanction	Name & researcher	Funding agency
1	Effect of fly Ash on growth, germination &	1,30,000/-	Dr. Y. P. Patil	UGC

	yield of Glycin max [Soyabean] Collected from thermal power plant Paras			
--	--	--	--	--

18. Research Centre /facility recognized by the University : **Nil**

19. Publications:

a) Publication per faculty :

Sr. No.	Name of Faculty	No. of Publication	Name of National / International, Conference, Workshop
1	Prof. S.V.Borle	4	List attached
2	Dr. Y. P. Patil	7	List attached

*Number of papers published in peer reviewed journals (national /international) by faculty and students: **International Journal - 04**

*Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **Nil**

*Monographs : **Nil**

*Chapter in Books : **Nil**

*Books Edited : **Nil**

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

*Citation Index : **Nil**

*SNIP : **Nil**

*SJR : **Nil**

* Impact factor : **Nil**

* h-index : **Nil**

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

21. Faculty as members involves a) National committees b) International Committees c) Editorial Boards :

- **Shri. S. V. Borle as a life member of Indian Science Congress Association, Calcutta.**

22. Student projects: As per syllabus of University

a) Percentage of students who have done in-house projects including inter departmental/programme : **Curriculum includes Project Assignment for B.Sc. II and B.Sc. III.**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : **Nil**

23. Awards/ Recognitions received by faculty and students : **Nil**

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

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

a) National : **Nil**

b) International : **Nil**

26. Student profile programme/course wise: **2013-2014**

Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage	
			M	F		
B.Sc. I	Centralized Admission Process	42	7	35	Sem-I-73.80	Sem-II-85.71
B.Sc. II		51	18	33	Sem-III-82.35	Sem-IV -58.82
B.Sc. III		33	12	21	Sem-V -84.84	Sem-VI-78.79

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.I	100%	--	--
B.Sc.II	100%	--	--
B.Sc.III	100%	--	--

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

29. Student progression

Student progression	Against % enrolled
UG to PG : 2013-14 –	50%
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurship/Self-employment	25%

30. Details of Infrastructural facilities

a) Library : Centralized college library is available for student; still some basic books are available in dept.

b) Internet facilities for Staff & Students : Available at N.R.C.
 c) Class rooms with ICT facility : Common in Zoology laboratory.

d) Laboratories : 01

with sufficient number of-

- * Microscope
- * High Speed centrifuge
- * Deep Freezer
- * Oven, incubator, Autoclave.
- * Laminar air flow
- * Electronic balance, Binocular,

31. Number of students receiving financial assistance from college, university, government or other agencies: 2013-14

Year	SC		OBC		SBC		VJNT	
	Scholar ship	Free ship	Scholar ship	Free ship	Scholar ship	Free ship	Scholar ship	Free ship
2013-2014	07	02	94	12	02	----	07	02

32. Details on student enrichment programmes (special lectures/workshops/ Seminar) with external experts

1. Seminar was arranged by department to fulfill the practical & Internal Assessment.
2. Study tour was arranged to study flora of related area

33. Teaching methods adopted to improve student learning

1. Lecture method is made interesting by use of ICT, Internet, Over Head Projector, Printed notes & visit to local area.

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities

1. Participation of department along with students in NSS activities like Tree plantation & rally, Cleanliness activities, workshops
2. Participation of students and staff in Social Gathering
3. To built awareness about environment in students & Society for saving nature.
4. Teachers provide financial assistance to the poor student of college.
5. Dr. Y. P. Patil acting as editor for College Magazine “ZEP” from 2010 and onwards.
6. Shri. S.V. Borle is programme officer for NSS from 2013-14 and onwards.

35. SWOC analysis of the department and Future plans

Strength:

1. Syllabus including theory, practical, Assignment, class tests are completed by taking extra loads.
2. Along with classroom teaching Botanical excursion for students are regularly organized.
3. Continuous evaluation of students for their better performance.
4. Good relationship of faculty with students.
5. Own prepared printed notes are made available to students.
6. Interest of students toward subject is developed along with teaching.
7. Basic apparatus are made available to students by College, Management & through MRP funded by UGC.
8. Subject oriented minor research is held in department.

Weakness

- 1) Deficiency of faculty lead overburden to regular faculty
- 2) Overload practical batches
- 3) No facility for post graduation in department

Opportunities:-

1. Development of lab through MRP funds
2. Personal development of Faculty & students
3. Study of local flora of nearby areas.
4. For higher programme such as M.Sc. in Botany.
5. To develop research facility in the department

Challenges:-

1. To develop meritorious students
2. To prepare student for competitive examination
3. To inculcate moral values in the students.
4. Incoming challenges of Job-opportunities
5. Rural-based input of student with weakness in basic understanding
6. Entrepreneurship/ Self employment challenge.

Shri. S. V. Borle

A) PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

- 1) Y.P. Patil, S.V. Borle and C.M. Bharambe (2010) Impact of flyash water on biochemical contents of *Arachis hypogea* L, Bulletin of pure & applied sciences, Vol. 29B (Botany) 2010, pp 75-77

PAPERS IN NATIONAL CONFERENCES

1. Y.P. Patil & S.V.Borle : Leaf cuticular & morphological variations in *Cassia tora* due to pollution, National conference on recent trends in biosciences organized by G.S. College Khamgaon, Dist- Buldana on 27 & 28 July 2012.

2. Y.P. Patil, S.V. Borle and C.M. Bharambe (2010) Impact of flyash water on biochemical contents of *Arachis hypogea* L, UGC & CSIR sponsored national conference on 'Trends in plant sciences today & tomorrow' organized by Shri Shivaji Arts, Commerce & Sciences College Akot 22nd -23rd Feb.2010.
3. Y. P. Pati., S. V. Borle: Leaf cuticular & morphological variations in *Cassia tora* due to pollution, National conference on recent trends in biosciences organized by G. S. College Khamgaon, Dist Buldana on 27 & 28 July 2012.

Prof. Dr. Y. P. Patil

A) PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. C.M. Bharambe & Y.P. Patil (2010): Impact of bat guano on effluent & its use in bioremediation of eutrophic aquatic ecosystem. Bulletin of pure & applied sciences, Vol 29A Issue 2 2010, pp 91-95.
2. Y.P. Patil, S.V. Borle and C.M. Bharambe (2010) Impact of flyash water on biochemical content of *A. hypogea* L, *Bulletin of pure & applied sciences*, Vol.29B (Botany)2010,pp75-77.
3. Y. P. Patil (2013) : Effect of flyash on growth, germination & yield of *Glycine max* collected from thermal power plant Paras (M.S.), *Bio. Science Res Bulletin*, Vol-29 (2) 2013, pp 97-99.

B) PAPER IN NATIONAL CONFERENCES:

1. Y.P. Patil , Impact of paper mill effluent on yield & biochemical contents of *Arachis hypogea* L., National conference on innovations in Biosciences October 21-22, 2011 at R. A. Arts, Commerce & Science Mahavidyalaya, Washim, Maharashtra, India.
2. Y. P. Patil & S. V. Borle : Leaf cuticular & morphological variations in *Cassia tora* due to pollution , National Conference on recent trends

in biosciences organized by G.S. College Khamgaon, Dist-Buldana on 27&28 July 2012.

3. Y. P. Patil : Effect of water pollution on the leaf anatomy of Cassia tora growing around bank vegetation of Tapti river. RAAB organized by M.J. College Jalgaon 30-31 Jan, 2014.
4. Y. P. Patil : Effect of flyash on growth , germination and yield of glycine max collected from thermal power plant paras (m.s.) RAAB organized by M.J. College Jalgaon 30-31 Jan, 2014.

Evaluative Report of Department of Zoology

1. Name of the department : Zoology
2. Year of Establishment : U.G.-1993
3. Names of Programmes / Courses offered : UG Programme: B.Sc.
4. Names of Interdisciplinary Courses and the departments/ units involved : DMLT Course Affiliated to the YCMOU, Nasik
5. Annual/ semester/choice based credit system (programme wise) : 1) Semester system for U.G.
2) Annual system for DMLT Course
6. Participation of the department in the courses offered by other Departments : Water Quality and Soil Testing as COP conducted by Botany Department.
7. Courses in collaboration with other universities, industries, foreign institutions, etc: : **Nil.**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil.**
9. Number of teaching posts:

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

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

Name	Qualification	Designation	Specialization	No. of Years of Experience
				UG
Shri. A. J Rath	M.Sc., B.Ed.	Head of the Department Asst. Prof.	Animal Physiology	21
Dr. C. M. Bharambe	M.Sc.; M.Phil. Ph.D.	Asst. Prof.	Animal Physiology Applied zoology Microbial Ecology and Bioremediation	21
Mr. Iqbal Shaikh	M.Sc.	CHB	Entomology	02
Ku. P.M. Polakhare	M.Sc.	CHB	Molecular Biology	01
Ku. D.M. Borse	M.Sc.	CHB	Fisheries	00

11. List of senior visiting faculty:

- Dr. G. N. Wankhade – Professor and Head, Department of Zoology SGBAU, Amravati.
- Dr. I. A. Raja – Head, Department of Zoology, SSS college Akola
- Dr. A. M. Garode – Associate Prof. SSS College Chikhli.

12. Percentage of lectures delivered and practical classes handled

(Programme wise) by temporary faculty: 33%

13. Student -Teacher Ratio (programme wise):

Year	2013-14
U.G.(regular faculty)	66:1
U.G.(CHB)	22:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Sanctioned: 01 Filled: 01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.:

- P.G. : 04
- M.Phil. Ph.D. : 01

16. Number of faculty with ongoing projects from

a) National : Nil

b) International funding : Nil

agencies and grants received

17. Departmental projects funded : Nil

by DST-FIST; UGC, DBT,

ICSSR, etc. and total grants

Received

18. Research Centre/facility recognized by the University:

- Proposal for recognition of Research laboratory has submitted to Sant Gadge Baba Amravati University, Amravati during 2012-2013.
- Dr. C. M. Bharambe is a Research guide for Ph.D. Research work, from 2011. (Recognized by SGBAU, Amravati)
- Dr. C. M. Bharambe is a Research guide for M. Phil. Research work, from 2008. (Recognized by Alagappa University, Tamilnadu)

19. Publications:

a) Publication per faculty:

S. No.	Name of Faculty	Total No. of Publication	National	International	State Level
1	Shri. A. J. Rathi	03	03	--	--
2	Dr. C. M. Bharambe	33	23	08	04

S. No.	Name of Faculty	Total No. of Paper Presented	Conferences		Seminar/ Workshop (State Level)
			National	International	
1	Dr. C. M. Bharambe	38	28	03	07

- b) 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.):

Dr. C. M. Bharambe

Sr. No.		Number
1	Number of papers published in peer reviewed journals (national /international)	14
2	Chapter in books	06
3	Books Edited	--
4	Books with ISBN/ISSN numbers with details of publishers	--
5	Citation Index	2
6	International Database	1
7	National Database	2
8	Impact Factors	5

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

21. Faculty as members in National committees b) International Committees

c) Editorial Boards:

Level	Name	Name of the faculty member	Year
National committees	Indian Science Congress Association, Calcutta	Dr. C. M. Bharambe	Life Member
	Indian Association of Aquatic Biology	Dr. C. M. Bharambe	Life Member
	Ecotoxicology and Ecobiology Monitoring	Dr. C. M. Bharambe	2010-12
	Association of Indian University	Dr. C. M. Bharambe	2010-11
	National Research Development Corporation	Dr. C. M. Bharambe	2008-12
	Ecology and Fisheries	Dr. C. M. Bharambe	Life Member
International Committees	International Bulletin of Research	Dr. C. M. Bharambe	2008-12
	International Bioresearch	Dr. C. M. Bharambe	2010-12

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

- **06** Students completed their project work at departmental level under the guidance of Dr. C. M. Bharambe.
- 100% (B.Sc. II Sem IV all students)

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: **Nil.**

23. Awards/ Recognitions received by faculty and students:

By Faculty

- Dr. C. M. Bharambe received Recognition as Ph.D. Research Guide from Sant Gadge Baba Amravati University, Amravati from the session 2011-12.
- Dr. C. M. Bharambe received Recognition as M.Phil. Research Guide from Alagappa University, Tamilnadu in the session 2008- 09.

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

- Dr. G. N. Wankhede – Professor and Head, Department of Zoology, Sant Gadge Baba Amravati University, Amravati in the session 2010-11.

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

a) National : Nil.

b) International : Nil

26. Student profile programme/course wise:

Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage	
			Male	Female		
B.Sc. I	Centralized process	42	07	35	Sem I	Sem-I
					20/42 (47.62)	39/42 (92.86)
B.Sc. II		51	18	33	Sem III	Sem IV
					42/51 (82.35)	26/51 (50.98)
B.Sc. III		33	12	21	Sem V	Sem VI
					30/33 (90.91)	19/33 (57.58)
Total		126	37	89		

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
U.G.	100%	--	--

28. How many students have : **Nil**

cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

29. Student progression:

Student progression	Against % enrolled
UG to PG :	3%
PG to M. Phil.	----
PG to Ph.D.	----
Ph.D. to Post-Doctoral	----
Employed	
• Campus selection	--
• Other than campus recruitment	--
Entrepreneurship/Self-employment	--

30. Details of Infrastructural facilities

1. **Library:**

- Centralized college library is available for departmental faculty and students.

2. Internet facilities for Staff & Students:

- Yes, it is available in the campus under the Network Resource Centre.

3 Class rooms with ICT facility

- This facility is available in Zoology Department

4 Laboratories : 01 (UG)

31. Number of students receiving financial assistance from college, university, government or other agencies:

Year	SC		OBC		SBC		VJNT	
	Scholar ship	Free ship	Scholar ship	Free ship	Scholar ship	Free ship	Scholar ship	Free ship
2013-2014	07	02	94	12	02	----	07	02

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

1) Guest lecturers for enrichment of students were organized like:

- Dr. A. M. Garode, Associate Prof. Department. Of Microbiology SSS college Chikhali on Scopes and Limitation of Life Sciences.
- Dr. G. N. Wankhade, Ex. Prof. and Head, Department of Zoology, SGBAU, Amaravati on Diversity and Role of Spiders.

33. Teaching methods adopted to improve student learning:

➤ To clear the basic concept, using models (Ball-stick):

- The resins charts are used for teaching and demonstration to improve student learning.

- Poster method is adopted for complicated topic for understanding.
- Over Head Projector is also used for figure visualization.
- Interactive board is used to improve student learning.
- LCD method is used for Power Point Presentation for vast topic.
- Preserved animal specimens are used in practicals, to improve student learning.
- The various modern teaching methods are practiced like Group discussion, Seminars, Oral Question Method.

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities:

- **Participation in Institutional Social Responsibility (ISR)**
 - Participation in college annual gathering
 - Participation in college sports events.
 - Participation in college NSS Regular as well as Camp events.
 - Participation in Government Gender Equality Programme 2012-13.
 - Participation in Career oriented programme.
 - Coordinate various activities like career and counseling, remedial coaching etc.
- **Participation in Extension Activities**

Dr. C. M. Bharambe, Given 04 Speeches on “**Education and Employment Opportunities**”, “**Rudhi Parampara and Adhunikata**” and “**Scopes in Biology after 12th STD**”, “**Personality Development and Study Management**” at various places during. 2009 to 2012.

35. SWOC analysis of the department and Future plans:

The department of Zoology, Vidnyan Mahavidyalaya, Malkapur Dist-Buldana, working since 1993 and the students are admitted basically form

backward area with students having poor knowledge. Faculty members motivate the students since 20 years. The SWOC analysis Zoology department is as follows:

➤ **Strength:**

- Regular and highly qualified faculty.
- Regular classes are held and syllabus is always completed.
- Study tours are organized by the department every year.
- There is co-ordinal atmosphere between students and faculty members

➤ **Weakness:**

- Lack of PG Course in department.
- Lack of research facility in department.
- Due to rural area and early girl marriage, dropout percentage is higher.
- Entrepreneurship/Self-employment is not satisfactory.

➤ **Opportunities:**

- To provide extra coaching for slow learner.
- To develop interest of students in Zoology subject.
- To develop Post-graduation facility in the department.
- To develop research facility in the department.

➤ **Challenges:**

- Getting maximum result for all classes every year.
- Creating scholar and research culture and aptitude in Zoology among B.Sc. Students.

➤ **Future plan:**

- To run the M.Sc. course in Zoology.
- To establish the research laboratory.
- To run the short term courses like Bioinformatics, Sericulture, Poultry, Fisheries and animal compost cultures etc.
- To conduct Seminar, Workshop and Conferences in the department.

- To encourage more publication by the faculty in leading journals and books.
- To concentrate on lowering dropout percentage.
- Emphasis given on Innovative research work.

DR. C. M. BHARAMBE

RESEARCH PAPERS PUBLISHED IN JOURNALS

INTERNATIONAL JOURNAL

1. **Bharambe, C. M. and Y. P. Patil (2010):** Impact of Bat Guano on Effluents and Its Use in Bioremediation of Euthropic Aquatic Ecosystem, Bulletin of Applied Science, Vol. 29A(2):91-95.
2. **Bharambe, C. M. (2010):** Impact Of Bat Guano On Effluents And Its Use In Bioremediation Of Eutrophic Aquatic Ecosystem” J. of Bio. Sci. Res. Bul., Vol. 29 (2): 91-95.
3. **Bharambe, C. M.; Y. P. Patil and S. V. Borle (2010):** “Impact of” flyash Water on Biochemical Content of *Arachis hypogea* L.” J. of Bio. Sci. Res. Bul., Vol. 29 (2): 75 -77.
4. **Bharambe, C. M. (2012):** “Bat Guano As A Excellent Biocompost In Terms of NPK”. J. of Ecobiol. Palani, Vol. 25(1):45-56.
5. **Patil, Y. P.; S.V. Borle and C.M. Bharambe (2010):** Impact of flyash water on biochemical contents of *Arachis hypogea* L, Bulletin of pure & applied sciences, Vol. 29B (Botany) 2010, pp 75-77

NATIONAL JOURNAL

6. **Wankhade, B. B.; V. N. Saoji, D. R. Chaple and C. M. Bharambe (2010):** “Synthesis And Antioxidant Activity Of Some 3 - Aroyl Chromanone And Flavanones, Asian. J. of Chem. New Delhi Vol.22 (4):2801-2804.

7. **Bharambe, C. M. (2010):** Impact Of Bat Guano On Anthrogenic Wastes And Its Use In Bioremediation Of Aquatic Ecosystem” J. Aqua. Biol., Vol. 30A (2): 51-56.

RESEARCH PAPERS PUBLISHED IN PROCEEDINGS

NATIONAL LEVEL PROCEEDING

1. **Bharambe, C. M.; Y. P. Patil and S. V. Borle (2010):** “Impact of Flyash Water on Biochemical Contents of *Arachis hypogea L.*” in Proceedings National Conference on “Trends In Plant Science: Today and Tomorrow” pp 82-84.
2. **Bharambe, C. M. (2012):** Fish Diversity of Nalganga Dam in Buldana District of Maharashtra State, in National Conference Proceeding on “Recent Trends in Biosciences” pp 276-278.
3. **Bharambe, C. M. (2012):** “Water Quality Studies on Nalganga Reservoir, Buldana District, Maharashtra”, in National Conference Proceeding on “Innovative Research Trends In Biological Sciences” PP 225-229.
4. **Bharambe, C. M. and B. V. Patil (2012):** “Seasonal Variations Of Zooplankton Community In Freshwater Hatnur Reservoir Jalgaon District, Maharashtra, India” in National Conference Proceeding on “Environmental Impact and Organism Response” pp 63-66.
5. **Bharambe, C. M.; A. J. Rathi and Iqbal Shaikh (2012):** “Impact of Bat Guano on Degradation of Water Pollutants in Purna River in Buldana District, Ms (India)” in National Conference Proceeding on “Environmental Impact and Organism Response” pp 66-70.
6. **Bharambe, C. M.; A. J. Rathi and P. M. Polakhare (2012):** “Impact of Bat Guano on The Growth of *Vinca rosea* with Reference to NPK

- content” in National Conference Proceeding on “Environmental Impact and Organism Response” pp 66-70.
7. **Bharambe, C. M. (2012):** “The Effect of Docycycline on The Total Carbohydrate and Total Protein Content of the Major Tissues of *Catla catla*” in National Conference Proceeding on “Environmental Impact and Organism Response” pp 67-71
 8. **Bharambe, C. M.; M. S. Narkhede and G. A. Malthane (2012):** “Diversity of Zooplankton of Nalganga Reservoir Nalgangapur, Buldana District, Ms (India)” in National Conference Proceeding on “Environmental Impact and Organism Response” pp 67-70
 9. **Bharambe, C. M. (2012):** “Role Of Bat Guano In Degradation Of Water Pollutants and It’s Use In The Bioremediation Of Aquatic Ecosystem” in National Conference Proceeding on “Emerging Trends in Fisheries and Aquaculture” pp 71-76.
 10. **Bharambe, C. M. (2012):** “Ecology Of Reservoir In Reference Of Physico-Chemical Status Of Nalganga, Nalgangapur Buldana District, MS” in National Conference Proceeding on “Emerging Trends in Fisheries and Aquaculture” pp 109-111.
 11. **Bharambe, C. M. and K. P. More (2012):** “Physico-Chemical Analysis Of Hatnur Reservoir Water In Hatnur, Vidharbha Region, Maharashtra” in National Conference Proceeding on “Emerging Trends in Fisheries and Aquaculture” pp 109-112.
 12. **Bharambe, C. M. and Iqbal Shaikh (2012):** “Impact Of Bat Guano On Degradation Of Water Pollutants In Purna River In Buldana District, MS” in National Conference Proceeding on “Emerging Trends in Fisheries and Aquaculture” pp 111-114.
 13. **Bharambe, C. M.; Nilesh Rahate; Vinayak Suralkar and Manohar Narkhede (2012):** “Removal Of Heavy Metals From Industrial Waste

Water By Using Bat Guano” in National Conference Proceeding on “Emerging Trends in Fisheries and Aquaculture” pp 112-116.

RESEARCH PAPERS PRESENTED IN CONFERENCES, SEMINARS AND WORKSHOPS

INTERNATIONAL LEVEL

- 1. Bharambe, C. M. (2011):** “Biodegradation of Water Content Hardness Pollution” in International Conference on “Biodiversity and Environmental Crisis: Past, Present and Future” at Late Karmveer Dr. P.R. Ghogrey Science College Dhule held on 11-13 Feb 2011.

NATIONAL LEVEL

- 2. Bharambe, C. M (2010):** “Role of Bat Guano in Bioremediation of Aquatic Ecosystem” in National Conference on “Climate Change and Its Consequences” at Bharatiya Mahavidyalaya, Amravati held on 12 & 13 Jan. 2010.
- 3. Bharambe, C. M, B. B. Wankhade and G.H. Kurhade (2010):** “Impact of Bat Guano on Polluted Water” in National Conference on “Green Chemistry and Environmental Pollution” at S.S.V.P.S’s L.K. Dr P.R. Ghogrey Science College, Dhule held on 16 & 17 Jan. 2010.
- 4. Bharambe, C. M; Y. P. Patil and S. V. Borle (2010):** “Impact Of Flyash Water On Biochemical Contents Of *Arachis hypogea* L.” in National Conference on “Trends In Plant Science: Today and Tomorrow” at Department of Botany, Shri Shivaji College Akot, held on 22 & 23 Feb. 2010.
- 5. Bharambe, C. M and P.P. Joshi (2010):** “Impact of Bat Guano on the Water Pollutants and Its Use in Bioremediation of Aquatic Ecosystem” in National Conference on “Natural Resource Management and Sustainable

- Development” at North Maharashtra University, Jalgaon, held on 1 & 2 Feb. 2010.
- 6. Bharambe, C.M. and P.P. Joshi (2010):** “Impact of Macrophytes on Sustainable Development of Nilona Dam With Reference To Physico-Chemical Status” in National Conference on “Natural Resource Management and Sustainable Development” at North Maharashtra University, Jalgaon, held on 1 & 2 Feb. 2010.
 - 7. Bharambe, C. M and S. K. Karande (2010):** “Synthesis Of Photovoltaic CdS Thin Film And Characterisation By X-Ray Diffraction And Scanning Electron Microscopy” in National Conference on “Material Science: Trends And Future 2010” at Vidya Bharathi Mahavidyalaya, Amravati held on 6 & 7 Jan. 2010.
 - 8. Bharambe, C. M. (2011):** “Biodegradation of Industrial Waste Water Hardness by Bat Guano” in National Conference on “Environmental Innovations for Resource Sustainability” at School of Environmental and Earth Science, North Maharashtra University, Jalgaon, held on 21-22 Jan. 2011.
 - 9. Patil, Y. P. ;Bharambe C. M. and S. V. Borle (2011):** “Impact Of Flyash Water On Biochemical Contents Of *Arachis hypogaea* L” in National Conference on “Biodiversity and Its Conservation: Need of the Day” at Shri Shivaji College Akot, held on 15 Jan. 2011.
 - 10. Bharambe, C. M. (2012):** Fish Diversity of Nalganga Dam in Buldana District of Maharashtra State, in National Conference on “Recent Trends in Biosciences” at G.S. Science College Khamgaon, held on 27-28 July 2012.
 - 11. Bharambe, C. M. (2012):** “Water Quality Studies On Nalganga Reservoir, Buldana District, Maharashtra in National Conference on

“Innovation Research Trends In Biological Sciences” at Shri Shivaji College of Arts, Commerce and Science, Akola held on 8-9 Sept. 2012.

12.Bharambe, C. M. (2010): “Impact of” Macrophytes on Sustainable Development of Nilona Dam with Reference to Physico-chemical Status.” In National Conference on “Natural Resource Management for Sustainable Development” at North Maharashtra University Jalgaon, held on 1-2 Feb.2010.

13.Bharambe, C. M. (2010): “Role of Bat Guano in Bioremediation of Aquatic ecosystem” in National Conference on “Climate Change and Its Consequences” at Bhartiya Mahavidyalaya, Amravati, held on 12-13 Jan. 2010.

14.Bharambe, C. M.; I. A. Raja and P. R. Gaikwad (2013): “Role of Bat Guano In Degradation Of Water Pollutants And Its Use In The Bioremediation Of Aquatic Ecosystem” in National Conference on “Animal Biodiversity and Recent Trends In Zoological Research” held on 6-13 Dec. 2013.

15.Bharambe, C. M. and A. J. Rathi (2013): “Biodiversity Of Fishes In Pentakali Reservoir, Pentakali, Buldana District, Maharashtra (India)” in National Conference on “Animal Biodiversity and Recent Trends In Zoological Research” held on 6-13 Dec. 2013.

16.Bharambe, C. M. and Bharati Patil (2013): “Diversity Of Zooplanktons In Reservoirs Of Buldana District, Maharashtra State (India)” in National Conference on “Animal Biodiversity and Recent Trends In Zoological Research” held on 6-13 Dec. 2013.

17.Bharambe, C. M.; Pranali Polakhare and Iqbal Shaikh (2013): “Microbial Diversity Of Bat Guano From Different Habitat And Its Application In The Aquatic and Agricultural Ecosystems” in National

Conference on “Animal Biodiversity and Recent Trends In Zoological Research” held on 6-13 Dec. 2013.

18.Bharambe, C. M.; Prajakta Bathe and Rajput Pooja (2014):”The Impact of Magnetic Water on Growth of Garden Plant as Vinca rosea” In National Conference on “Biodiversity Conservation And Role Of Microbes In Sustainable Environment Managment” held on 18th Oct. 2014.

19.Bharambe, C. M. And Dipali Borse (2014): “Ecology Of Bat Guano As A Excellent Biocompost In Reference To NPK” In National Conference on “Biodiversity Conservation And Role Of Microbes In Sustainable Environment Managment” held on 18th Oct. 2014.

20.Bharambe, C. M. And Dipali Borse (2014): “Ecology Of Bat Guano As A Excellent Biocompost In Reference To NPK” In National Conference on “Biodiversity Conservation And Role Of Microbes In Sustainable Environment Managment” held on 18th Oct. 2014.

21.Bharambe, C. M.; Manohar Narkhede and Gopal Malathane (2014): “Diversity Of Cotton Pest In Agricultural Field Of Malkapur Buldana District Maharashtra (India)” In National Conference on “Biodiversity Conservation And Role Of Microbes In Sustainable Environment Managment” held on 18th Oct. 2014.

STATE LEVEL

22.Bharambe, C. M; Y. P. Patil and S. V. Borle (2010): “Biodiversity and Conservation of Important Medicinal Plants in Purna Basin of Maharashtra State” in State Level Conference On “Biodiversity and Conesevation Of Important Medicinal Plants” at Nutan Maratha Mahavidyalaya, Jalgaon, held on 6 Feb. 2010.

23.Bharambe, C. M, N. R. Patil, N. R. Rahate and K. P. More (2010): “Assessment Of Biocontamination Of Nalganga Project Nalgangapur

Buldana Distict. (M.S), India” in State Level Conference on “Conservation Of Natural Resources With Special Reference To Changes In Agriculture” at B.B. Arts, N.B. Commerce & B.P. Science College Digras, held on 10 & 11 Feb. 2010.

RECOGNIZATION:

1. **Research Guide** of Ph.D research work recognized by SGBAU, Amravati from 2011.
2. **Research Guide** of M.Phil research work recognized by Alagappa University Tamilnadu from 2007.

GUIDENCE FOR PROJECTS:

1. **C. M. Bharambe and J. H. Pawar (2010):** “Comparative Assessment Of Physicochemical And Bacteriological Status Of Eutrophic Lake Wadali And Freshwater Reservoir Nalgangapur” in “Water Quality And Soil Testing” “Career Oriented Programme” Vidnyan Mahavidyalaya, Malkapur Dist- Buldana, during the year 2009 – 2010.
2. **C. M. Bharambe and Alfia Tabassum (2010):** “Comparative Assessment Of Physicochemical And Bacteriological Status Of Eutrophic Lake Lonar And Fresh Water River Purna” in “Water Quality And Soil Testing” “Career Oriented Programme” Vidnyan Mahavidyalaya, Malkapur Dist- Buldana, during the year 2009 – 2010.
3. **C. M. Bharambe and Yunus Khan(2010):** “Impact Of Cadmium Chloride On The Oxygen Consumption In The Fresh Water Fish, Labeo Rohita” in “Water Quality And Soil Testing” “Career Oriented Programme” Vidnyan Mahavidyalaya, Malkapur Dist- Buldana, during the year 2009 – 2010.
4. **C. M. Bharambe and S. Mali (2010):** “Impact Of Zink Sulphate On The Oxygen Consumption In The Fresh Water Fish, Catla Catla” in “Water

Quality And Soil Testing” “Career Oriented Programme” Vidnyan Mahavidyalaya, Malkapur Dist- Buldana, during the year 2009 – 2010.

5. **C. M. Bharambe and S. Mahsagar (2010):** “Impact Of Copper Sulphate On The Oxygen Consumption In The Fresh Water Fish, *Cirrhinus Mrigal*” in “Water Quality And Soil Testing” “Career Oriented Programme” Vidnyan Mahavidyalaya, Malkapur Dist- Buldana, during the year 2009 – 2010.
6. **C. M. Bharambe and G. Karande (2010):** “Diversity Of Fish Fauna Of Nalganga Reservoir Nalganga Pur Buldana District Maharashtra” in “Water Quality And Soil Testing” “Career Oriented Programme” Vidnyan Mahavidyalaya, Malkapur Dist- Buldana, during the year 2009 – 2010.
7. **C. M. Bharambe, Sukanya Khadse and Pranali Nemade (2014):** Inculcation of Antihepatic Alkaloids in Tomato And Impact on The Human Hepatitis. (2013-2014).
8. **C. M. Bharambe, Prajakta Bathe and Pooja Rajput (2014):** Impact of Magnetic Water On Growth of Garden Plant *Vinca rosea*. (2013-2014)

ATTENDED

1. **State level Workshop** on “Accreditation: Systematic Approach Towards Report Writing Under New Methodology” at Shri Shivaji Science College, Amravati, held on 2 & 3 Jan. 2010.
2. **State level Workshop** on “Research Methodologies in Science” at Shakarlal Khandelwal Arts, Science College Akola held on 26th Feb. 2011.
3. **University level Workshop** on IQAC Awariness held at Shri Sant Gajanan Maharaj college of Engg. Held on 29th March 2013.

REFRESHER AND ORIENTATION

1. “A” Grade **Refresher Course**, UGC Sponsored at Academic Staff College Dr. BAM University Aurangabad held during 04/02//2011 to 24/02/2011.
2. “A” Grade **Refresher Course**, UGC Sponsored at Academic Staff College Dr. BAM University Aurangabad held during 04/02//2013 to 24/02/2013

GUEST LECTURES

1. Invited Talk on Emerging Trends in Fisheries and Aquaculture in National Conference at Y. Mahavidyalaya, Ambajogai held on 27-28 Sep. 2012.
2. Chirmanship for the session of National Conference held at Y. Mahavidyalaya Ambajogai held on 27-28 Sep. 2012.

WORKSHOP AND SPEECHES

3. Speech on “**Rudhi Parampara and Adhunikata**” in NSS Special Camp Zodga. On 08 Dec. 2010.
4. Organized one Day Workshop on “**Study Management and their skills**” at Jr. College Datala during 2011.
5. Seech on “**Personality Development**” at Highschool Dudalgaon during 2011.
6. Speech on “**Rudhi Parampara and Adhunikata**” in NSS Special Camp Vivara during 2012.

ORGANIZATION: LINKS

1. Life Member, “**NUTA**” (Nagpur University Teacher Association) from 1996.
2. Life Member of “**ISCA**” (Indian Science Congress Association) Calcutta from 2006.
3. Life Member of “**IAAB**” (Indian Association of Aquatic Biology) Hyderabad from 2009.

4. Executive Member of “**NUTA**”, (Nagpur University Teacher Association) Buldana District (2007-2012).
5. Member, “**Ecotoxicology and Ecobiology Monitoring**”. Palani, Tamilnadu during 2008-2012.
6. Member of, “**AIU**” (Association of Indian University) New Delhi from 2008.
7. Member of, “**NRDC**” (National Research Development Corporation) New Delhi from 2008.
8. Member of, “**Aviskar**” NRDC, New Delhi during 2009-2012.
9. Member of, “**Agrobios**” (India), Jodhpur from 2008.
10. Member of “**International Bulletin of Research**”, New Delhi during 2009-2012.
11. Member of “**Institutional Animal Ethics**”, College of Pharmacy, Malkapur from 2008.
12. Member of “**Taluka Saksharata Samitte**”, from 2002 by Education Department, Panchyat Samitte Malkapur from 2002.
13. Member of “**College Building Committee**” (UGC), Vidnyan Mahavidyalaya, Malkapur from 2007.
14. Member of “**Advisory Committee**”, NSS, Vidnyan Mahavidyalaya, Malkapur during 2007-2010.
15. Member of “**Local Managing Committee**”, MSM English School, Malkapur from 2013.
16. Member of “**Local Managing Committee**”, VMV, Malkapur from 2009 to 2015.
17. Life Member of “**Wild Life Conservation**” Amravati District From 2012:
18. Life Member of “**Ecology and Fisheries**”, Ambajogai.

19. Member of “**Bioresearch (International)**”

20. Member of “**Nokari Sandarbha**” Kolhapur during 2012-2013.

21. Member of “**BOS**” (Board of Studies) in Zoology, SGBAU, Amravati, from 2012 to 2017.

APPRECIATIONS

1. Appreciation from Organizing Secretary, National Conference on Current Perspectives in Limnology for **grand success with participation with. Presentation of research papers**, July 2010.
2. Appreciation From Organizing Secretary, for the **Chairman ship** for the 5th session on “Fisheries and Aquaculture” in UGC Sponsored National Conference at Yogeshwari Mahavidyalaya, Ambajogai during 2010.

Evaluative Report of Department of Physics

1. Name of the department : **Physics**
2. Year of Establishment : **1993**
3. Names of Programmes / Courses offered
(UG, PG, M.Phil., Ph.D., Integrated Masters;
Integrated Ph.D, etc.) : **UG Programme: B.Sc.**
4. Names of Interdisciplinary courses and the departments/units involved:
Nil.
5. Annual/ semester/choice based credit system (programme wise):
• Science, Semester Pattern (Sem. I to Sem. VI)
6. Participation of the department in the courses offered by other Departments
: **Nil**
7. Courses in collaboration with other universities, industries, foreign
institutions, etc : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of teaching posts

	sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	4	2

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	
				UG	PG
Shri. S. K. Karande	M.Sc., M. Phil.	Head, Asst. Prof.	Digital Electronics	21	--
Shri. D. Y. Dhale	M.Sc.	Assistant Prof.	Electronics	16	--
Ku. S. S. Narkhede	M.Sc.	CHB	Electronics	01	--
Mr. Mo. Akil Mo. Shabbir	M.Sc.	CHB	Electronics	01	--
Ku. B. A. Hinge	M.Sc.	CHB	Electronics	03	--
Ku. R. S. Patil	M.Sc.	CHB	Electronics	01	--

11. List of senior visiting faculty : Nil.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 40%

13. Student -Teacher Ratio (programme wise) : 63:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

Technical Staff : Sanctioned -1 Filled- 1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.:

M. Phil.: 01

P.G.:06

16. Number of faculty with ongoing projects from a) National b)International funding agencies and grants received : Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: **Nil**

18. Research Centre /facility recognized by the University : **Nil**

19. Publications

a) Publication per faculty :

*Number of papers published in peer reviewed journals (national /international) by faculty and students :

Publication Per Faculty	No. of Publication	Name of international Journal	Title
S.K. Karande	3	Bionano Frontenior ISS NO974-0678 Page 101-103	Growth mechanism and characterization of Nanostructure were Cds photo voltaic thin film by CBD technique. Year-2012
		Bulletin of pure and Applied science volume 3/d (Physics) issue No. 2201- p 207-213	SILAR deposition of Nanostructure Cds thin flim on glass substrata with ultra sonification Year-2012
		International Journal of Basic and applied research Vol.2 issue 2 Dec.2012	Characterization of Nanostructure cds thin film prepare by chemical route Year-2012

*Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **Nil**

*Monographs : **Nil**

*Chapter in Books : **Nil**

*Books Edited : **Nil**

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

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

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

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

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : **students of Sem-V& VI completed on advance tech in physics prescribed by syllabus**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards/ Recognitions received by faculty and students : Nil

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

Nil.

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

a) National : Nil

b) International : Nil

26. Student profile programme/course wise: **2013-14**

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage	
			M	F		
B.Sc. I	Centralized Process	78	15	63	Sem-I 71.79	Sem-II 97.00
B.Sc. II		62	18	44	Sem-III 70.97	Sem-IV 59.67
B.Sc. III		51	12	39	Sem-V 70.59	Sem-VI 49.00

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100%	--	--
B.Sc. II	100%	--	--
B.Sc. III	100%	--	--

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

29. Student progression

Student progression	Against % enrolled
UG to PG : 2013-14 –	10%
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	

• Campus selection	Nil
• Other than campus recruitment	Nil
Entrepreneurship/Self-employment	20%

30. Details of Infrastructural facilities

- a) Library : Centralised Library.
- b) Internet facilities for Staff & Students : In NRC Centre.
- c) Class rooms with ICT facility : Yes, this facility is availed by Department of Computer Science.
- d) Laboratories : 1, with well equipments

31. Number of students receiving financial assistance from college, university, government or other agencies:

2013-14

Sr. No.	Government Assistance Scholarship	No. of Student
B.Sc. I	GOI	44
B.Sc. II	GOI	36
B.Sc. III	GOI	31

32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts: **Nil**

33. Teaching methods adopted to improve student learning:

Chalk and talk method, Q/A, seminar, LCD, power point presentation.

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities:

Participation in Social Gathering, NSS, Youth Festival, Sports.

35. SWOC analysis of the department and Future plans

1. Strength
 - Full syllabus completion during each year.
 - Advanced and sufficient practical equipments.
 - Seminar and Project are taken each year.
 - Assignment and notes are distributed to students.
2. Weakness- No sufficient staff appointed according to sanction posts, over load practical batches.
3. Opportunities- Motivation to carry out the research activities
 - To Start M.Sc. Physics course
 - Students can give competitive Exam on the basis of Physics Knowledge.
 - Sufficient groups are available to select physics subject.
4. Challenges
 - 1) Well furnished laboratory.
 - 2) Placement of B.Sc. Physics students.
 - 3) Infrastructure with LCD room is to be build in Laboratory.
 - 4) To take Minor / Major Researched project in Physics.
 - 5) 100% Result of Physics in university examination.
 - 6) To prepare the knowledge of students to pass the competitive exam.
 - 7) To produce the meritorious students in physics.
 - 8) To improve the performance of slow learners.

- 9) To establish a special lab facility for doing research work.

Future Plans:

- 1) To conduct seminar and workshop in department sponsored by UGC.
- 2) To enhance the result of each semester.

Shri. S. K. Karande

National Conference attended:

- 1) LASERS AND Advance materials May 29 to 30,2012 at Sant Gadge Baba Amravati University, Amravati
- 2) Current Trends in material science Dec.3,2011, Department of Physics – Science College, Murtizapur Dist- Akola
- 3) National conference on Recent trends in Physics 26 to 27, Oct 2012 Mungasaji Maharaj Vidyalaya, Darwaha.
- 4) Work shop on academic Performance indicular (APP) system Dadasaheb Dhanaji Nana Choudhari college of Social Work, Malkapur. Dist-Buldana.

Evaluative Report of Department of Mathematics

1. Name of the department : **Mathematics**
2. Year of Establishment : **1993**
3. Names of Programmes / Courses offered
(UG, PG, M.Phil., Ph.D., Integrated Masters;
Integrated Ph.D., etc.) : **UG Programme: B.Sc.**
4. Names of Interdisciplinary courses and the departments/units involved:
Nil.
5. Annual/ semester/choice based credit system (programme wise):
• Science ,Semester Pattern (Sem. I to Sem. VI)
6. Participation of the department in the courses offered by other Departments
: **Nil**
7. Courses in collaboration with other universities, industries, foreign
institutions, etc : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of teaching posts

	sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	02	01

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	
				UG	PG
Shri. Y. D. Patil	M.Sc., B.Ed. M. Phil.	Assist. Prof. (HOD)	Mathematics	21	--
Mrs. Bhadgaonkar	M.Sc., B.Ed., M.Phil	CHB	Mathematics	04	--
Mr. R. W. Patil	M.Sc., B.Ed.	CHB	Mathematics	05	--

11. List of senior visiting faculty : **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : **33%**

13. Student -Teacher Ratio (programme wise) : **68: 1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Sanction: Nil Filled : **Nil**

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.:

M. Phil. : 02

PG : 01

16. Number of faculty with ongoing projects from a) National b)International funding agencies and grants received : **Nil.**

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.and total grants received : **Nil.**

18. Research Centre /facility recognized by the University : **Nil.**

19. Publications:

a) Publication per faculty :

*Number of papers published in peer reviewed journals (national /international) by faculty and students :

Sr. No.	Name of Faculty	No. of Publication	Name of National / International / Workshop	Title	Year of Publication
1	Y. D. Patil	01	International conference at Nagpur.	Big Bounce singularisty of a simple (n+1) dimensional Cosmological model	Dec.2012

*Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **Nil**

*Monographs : **Nil**

*Chapter in Books : **Nil**

*Books Edited : **Nil**

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

*Citation Index : **Nil**

*SNIP : **Nil**

*SJR : **Nil**

* Impact factor : **Nil**

* h-index : **Nil**

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

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: **Nil**

22. Student projects As per syllabus of University.

a) Percentage of students who have done in-house projects including inter departmental/programme : **Project Assignment for B.Sc. II and B.Sc. III.**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : **Nil**

23. Awards/ Recognitions received by faculty and students : **Nil**

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

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

a) National : **Nil**

b) International : **Nil**

26. Student profile programme/course wise:**2013-14**

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			M	F	
B.Sc. I	Centralized Admission Process	54	11	43	Sem-I- 61.11% Sem-II-55.56%
B.Sc. II		40	14	26	Sem-III -67.50% Sem-IV-52.50%
B.Sc. III		39	10	29	Sem-V-74.30% Sem-VI-76.92%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100%	Nil.	Nil.
B.Sc. II	100%	Nil.	Nil.
B.Sc. III	100%	Nil.	Nil.

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

29. Student progression

Student progression	Against % enrolled
UG to PG :	8%
PG to M. Phil.	Nil.
PG to Ph.D.	Nil.
Ph.D. to Post-Doctoral	Nil.
Employed • Campus selection • Other than campus recruitment	Nil.
Entrepreneurship/Self-employment	Nil.

30. Details of Infrastructural facilities

- a) Library : Common Library.
- b) Internet facilities for Staff & Students : Available in NRC Center
- c) Class rooms with ICT facility : Faculty use ICT from Computer

Lab.

d) Laboratories

: Nil.

31. Number of students receiving financial assistance from college, university, government or other agencies

Class	Government Assistance/Scholarship	No. of Student
B.Sc. I	GOI	33
B.Sc. II	GOI	21
B.Sc. III	GOI	25

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Nil

33. Teaching methods adopted to improve student learning:

Question-Answer Method and Seminar.

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities : **Participation in Social Gathering, NSS, Youth Festival, Sports.**

35. SWOC analysis of the department and Future plans:

1) Strength: - Seminar and Project activities are conducted.

Assignment and notes are distributed.

Good relationship of faculty with students.

Students of College attended college and university level Seminar.

2) Weakness: No sufficient staff appointed according to sanction post.

3) Opportunities: To start M.Sc. Mathematics

Student can give competitive Exams on Mathematics

- 4) Challenges:
- Appointment of Vacant Faculty Post.
 - To prepare student for competitive examination.
 - To develop meritorious students.
 - To inculcate moral values in the students.
 - Incoming challenges of Job Opportunities.
- 5) Future Plans: -
- 1) To conduct seminar in department by UGC.
 - 2) To enhance the Result of each semester.

Evaluative Report of Department of Computer Science

1. Name of the department : **Computer Science**
2. Year of Establishment : **1 July 2000**
3. Names of Programmes / Courses offered
(UG, PG, M.Phil., Ph.D., Integrated Masters;
Integrated Ph.D., etc.) : **UG Programme: B.Sc.**
4. Names of Interdisciplinary courses and the departments/units involved
: **Nil.**
5. Annual/ semester/choice based credit system (programme wise)
: **• Science Semester Pattern (Sem. I to Sem. VI)**
6. Participation of the department in the courses offered by other Departments
: **Nil.**
7. Courses in collaboration with other universities, industries, foreign
institutions, etc : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons
: **Nil**
9. Number of teaching posts

	sanctioned	Filled
Professors	---	---
Associate Professors	---	---
Asst. Professors	01	00

10. Faculty profile with name, qualification, designation, specialization,
(D.Sc. / D.Litt. /Ph.D. / M. Phil. etc.,)
Temporary faculty on clock hour basis

Name	Qualification	Designation	Specialization	No. of Years of Experience	
				UG	PG
Mr. S. E. Warkhede	M.Sc. (Comp. Sci.)	(CHB)	Visual Basic, SQL	9	---
Ku. P. S. Mandviya	M.Sc. (Comp. Sci.)	(CHB)	C++, Data Structure	--	---
Ku. J. R. Deshmukh	M.Sc. (Comp. Sci.)	(CHB)	C Programming	--	---

11. List of senior visiting faculty : **Nil**

12. Percentage of lectures delivered and practical classes handled
(programme wise) by temporary faculty

: • B. Sc. Semester Pattern: **100%**

13. Student -Teacher Ratio (programme wise) : UG- **66.5 : 1**

14. Number of academic supporting staff (technical) and administrative staff;
sanctioned and filled

• Academic support staff (Technical) : **01.**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

PG : 03 (CHB)

16. Number of faculty with ongoing projects from a) National b)International
funding agencies and grants received : **Nil.**

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and
total grants received : **Nil.**

18. Research Centre /facility recognized by the University: **Nil.**

19. Publications:

a) Publication per faculty

S. No.	Name of Faculty	Name of National/International conference, workshop	Title	Year of publication
1	Mr. S. E. Warkhede	List attached		

*Number of papers published in peer reviewed journals (national /international) by faculty and students : **01**

S. No.	Name of Faculty	Name of National/International conference, workshop	Title	Year of publication
1	Mr. S. E. Warkhede	List attached		

*Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **Nil**

*Monographs : **Nil**

*Chapter in Books : **Nil**

*Books Edited : **Nil**

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

*Citation Index : **Nil**

*SNIP : **Nil**

*SJR : **Nil**

* Impact factor : **Nil**

* h-index : **Nil**

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

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

: Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : Project Assignment

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

: Nil

23. Awards/ Recognitions received by faculty and students

There is no award received by faculty and students of the department but they have participated at various level activities.

 Participation of Students at various Contest:

1. 10th and 11th State Level C and C++ Programming Contest

S. No.	No. of Students Participated	Organized by	Date of Contest	Merit Rank Students at State Level
1	36	Smt. Sitabai Mangilal Agrwal Institute of Management at Chalisgaon (Jalgaon)	30 January 2011	4. Ku. Nikita Burad-B.Sc. II 5. Ku.Priyadershani Zambare-B.Sc. III 6. Ku.Kalyani Jaware-B.Sc. II
2	135		12 February 2012	4. Ku.Rupal Malpani-B.Sc.I 5. Ku. Bhagyashri Rathi-B.Sc. I 6. Ku. Payal Malpani - B.Sc. I

- ❖ Ku. Neha Deshpande, Ku. Poonam Varma was participated in “**Quiz competition**” and Ku. Geetali Paryani has participated in “**CPU assembling**” at National level technical event organized by G.H. Rasoni Institute of Engineering and Management, Jalgaon during 6th to 7th September 2013.

Paper Presented by Student in Conferences

- Presented a research paper entitled “**Mobile Computing**” at 7th National Level Students Conference on “**Advances in IT and Management**” held at smt. Sitabai Mangilal Agrwal Institute of Management at Chalisgaon (Jalgaon) during 13 February 2011 by Ku. Gayatri Bhamidipti- B.Sc. I and Ku. Pallavi Firke - B.Sc. III.
- Presented a research paper entitled “**AGILE: Scrum Methodology**” at State Level IT event held at G.H. Rasoni Institute of Engineering and Management, Jalgaon during 26th to 27th September 2013 by Ku. Karishma Dipke and Ku. Geetali Paryani of B.Sc. III.
- Presented a research paper entitled “**AMPL:A Mathematical Programming Language**” at State Level IT event held G.H. Rasoni Institute of Engineering and Management, Jalgaon during 26th to 27th September 2013 by Ku. Priya Morkhade and Ku. Pooja Sawale of B.Sc. III.

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

- Prof. P. E. Ajmire: Head, Department of Computer Science, G. S. College, Khamgaon.
- Dr. V. M. Patil: Head, Department of Computer Science, Shri Shivaji Arts, Commerce & Science College, Akola.

- Prof. A. A. Tayde: Assistant Professor, Department of Computer Science, G. S. College, Khamgaon.

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

a) National : Nil

b) International : Nil

26. Student profile programme/course wise:

Year: 2013-14

Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage	
			M	F		
B.Sc. I	Centralized Process	48	09	39	Sem-I	Sem-II
					25/48=52.08%	41/48=85.42%
B.Sc. II		45	12	33	Sem-III	Sem-IV
					31/45=68.89%	33/45=73.33%
B.Sc. III		40	08	32	Sem-V	Sem-VI
					38/40=95%	31/40=77.50%
Total		133	29	104		

27. Diversity of Students 2013-14

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100%	--	--
B.Sc. II	100%	--	--
B.Sc. III	100%	--	--

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

29. Student progression

Student progression	Against % enrolled
UG to PG : 2013-14 →	15 %
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurship/ Self-employment	25%

30. Details of Infrastructural facilities

- a) Library : **College library is available for student and staff.**
- b) Internet facilities for Staff & Students : **Yes 17 Nodes are available with Internet facility.**
- c) Class rooms with ICT facility : **Yes 01 ICT enabled class rooms common for all.**
- d) Laboratories : **Well equipped 01 laboratory.**

31. Number of students receiving financial assistance from college, university, government or other agencies

Year : 2013-14

Class	Government Assistance/Scholarship	No. of Student
B.Sc. I	GOI	25
B.Sc. II	GOI	23
B.Sc. III	GOI	31
Total		79

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

- Remedial Lectures : Of Internal Expertise if required.
- Guest lecturers : Of External Expertise related to Curriculum.
- Seminars : Seminars are conducted as a part Of curriculums.
- Excursions & Local visits : Department actively enriches Students by providing practical knowledge through local as well as outdoor study tours.
- Educational tools : Photographs, Flowcharts, Reference books, Internets, CDs are used time to time for providing extra knowledge to the students.
- Workshops organized : **Nil**

33. Teaching methods adopted to improve student learning

- Assignments, Project Assignment, Group Discussions
- Seminar on interactive board and Use Podium System
- Use of LCD Projector
- Use of PPTs in class room teaching
- Preparation of Notes
- Black Board

- Use of Internet Download of material like Question bank, study notes
- Provision of reference books

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Participation in college annual gathering
- Participation in college sports events.
- Participation in college NSS Regular as well as Camp events.
- Participation in annual blood donation camp by NSS Department.
- Participation in Government Gender Equality Programme 2012-13.
- Participation in Youth Festival organized by SGB Amravati University, Amravati.

35. SWOC analysis of the department and Future plans

Strength :

- Regular classes are held and syllabus is always completed.
- There is co-ordinal atmosphere between students and faculty Member.

Weakness :

- Lack of departmental library, still student use common library.
- There is a lack of separate departmental room.
- There is an inadequate furniture in laboratory

Opportunity

- To provide extra coaching for slow learner.
- To develop research facility in the department.

Challenges

- Getting maximum result for all semesters every year.

- Engage students actively in latest technology in computer.

Future plan

- To introduce more number of certificate and diploma courses in Computer
- To train more number of students in communication skills and software designing and testing
- To motivate the faculty and students to publish research papers at various levels
- To conduct Workshop in the department.

Mr. S.E. Warkhede

Research Paper Presented:

1. National Seminar on IT & Current Trend at Amravati University Presented a paper on **“IT & Multimedia”** during 22nd -24th January, 2000.
2. 89th Indian Science Congress at Lucknow during 3rd –7th Jan 2002. Presented a paper on **“IT & Business”**.
3. **“E-Administration”** at National Conference on Recent Trend in Information Communication Technology at NMU, Jalgaon 10th - 11th Oct 2002.
4. **“Computer with fragrances”** at 91st Indian Science Congress at Chandigarh 3rd - 7th Jan 2004.
5. **“Role of IT in Biodiversity study”** at National Conference on Recent Trend in Botany at Chandrapur 19th - 20th Dec 2004.
6. **“Role of Computer in Biodiversity Research”** at International Conference on Modern Trend in Plant Sciences with special reference to role of biodiversity conservation at Amravati University, Amravati 17th -20th February 2005.

7. **“A Survey- Statistical Approaches for Feature Extraction and Character Recognition”** in 14th National Conference organized by Saurashtra University, Rajkot (GJ) during 24th -26th Feb., 2012.
8. **“Structural Features for Character Recognition System”- A Review** at National conference on Information and communication technology for development at Prof. Ram Meghe Institute of Technology and Research, Badnera –Amravati during 29th -30th March, 2012.

Research Paper Published in Journal:

1. **“Handwritten Marathi Character (Vowel) recognition”** in the journal Advances in Information Mining Volume 2, Issue 2, 2010.

Books Published:

1. A text book of Fundamental of Computer –As per university syllabus of B.Com. I (English and Marathi Edition) in August 2004.

Workshop Attended:

1. Attended a Workshop on **“IQAC Awareness”** (NAAC) organized by S.G.B,Amravati University, Amravati held at Shri Sant Gajanan Maharaj College of Engineering on 29th March 2013.
2. Attended a National Workshop on **“Advances in Computing”** organized by North Maharashtra University, Jalgaon during 10-15 February 2014.

Appointed as coordinator / Member:

1. Member, NAAC Steering Committee of Vidnyan Mahavidyalaya, Malkapur.

2. Editor, “ZEP” Magazine of Vidnyan Mahavidyalaya, Malkapur.
3. Worked as a Member, National conference on “Recent Trends in Biosciences” organized by G.S. Science, Arts and Commerce College, Khamgaon during 27th & 28th July 2012.
4. Worked as a Judge, National conference on advances in IT and Management organized by smt. Sitabai Mangilal Agrwal Institute of Management at Chalisgaon (Jalgaon) during 2011.

Lectures Delivered / Resource lecturers:

- 1) On “**Computer and its Applications**” at NSS Residential Camps organized by Vidnyan Mahavidyalaya, Malkapur in the year 2011-12.
- 2) On “**Innovative Teaching Aids and Student Awareness**” organized by V.B. Kolte Engineering College, Malkapur in the year 2012.

Post Accreditation Initiatives

Excellence and consistence is what wins the test of time and stands out as a paradigm for humanity. In the 21st century and globalization, iconic existence of Vidnyan Mahavidyalaya, Malkapur has not only withstood the catalyzing test of time but has also substantially affected transformation and progression in Indian society. Presently, Indian Higher education sector is in the midst of tremendous growth and change. Recognizing the need for higher level skills and competencies required supporting national development in the era of globalization and shift towards a knowledge economy, Vidnyan Mahavidyalaya, Malkapur has laid renewed emphasis on quality education. **Internal Quality Assurance Cell** established in 2004, has been functioning as a post accreditation quality assurance and sustenance measure. Some of the measures undertaken are given below under the score values identified by NAAC:

A. Contributing to National Development:

Curricular Aspects: The Head of Institution and HOD's has been set up to have a methodology for quality sustenance and enhancement based on the performance indicators provided by the NAAC in the institution. Existing curriculum is reviewed and academic system and processes audited time to time. Relevance and acceptability to the Academic, Industrial and Professional sectors is given due consideration in introducing new programmes like post graduations, research facility and Diploma Courses.

Feedback on Curriculum is obtained from students, academic peers, parents and stakeholders to keep pace with the changing global scenario and ensure continuous growth.

New innovative career oriented programmes have been introduced to equip students for current trends in research and enhance employability. They

are: “Water Quality and Soil Testing” (supported by UGC) and DMLT (affiliated to YCMOU, Nasik).

New course M.Sc. in Chemistry has been offered to students in keeping with the present trend of industrial approach in Higher education.

Teaching, Learning and Evaluation Learner centric teaching techniques like Field visits, Projects, GDPI, Seminars adopted to make learning process effective. Different teaching methods ensure that the core competencies of students are developed making them employable. Use of modern teaching aids and tools like computers, audio-visuals, multi-media, ICT, Internet and other information/material has enhanced the quality of education imparted. Students are regularly given relevant learning experience. Participation in International and National seminars/conferences/workshops, is an integral part of our learning process. Exposure provided to students through professors from other colleges and other universities. Eminent scientists from different areas illuminate our faculty and students and create research ambience.

The faculty is encouraged to update its knowledge through research. 03 members are recognized Ph.D. Guides. 02 members of our faculty have acquired Ph.D. 04 and 03 members registered for Ph.D and M.Phil. research work respectively.

Faculty is invited as Resource person by colleges of parent and other Universities.

Examination

Continuous innovation in the evaluation process is imperative for an institution to be relevant in the present situation where more than one skill is to be tested. Some of the qualities enhancing measures taken in this area are:

Evaluation continuous internal assessments through internal Class tests, home assignments and periodic evaluation of projects and on the basis of discipline, communication skills, ability to take initiatives, good behavioral

patterns and innovative efforts introduced in the formative tests to ensure effective learning outcomes.

Effort Grade: There are many students who make efforts but they never get top positions in the class. Keeping in view the continuous efforts made by them according to their capacity, college has introduced a special prize awards to motivate such students to enhance their performance.

Online publication of results

Special Classes for Advanced Learners and Remedial classes for Weak Students

Research, Consultancy and Extension

Research Committee has been set up to promote interdisciplinary and interdepartmental research activities. The Cell acts as facilitator for the faculty research providing the details of funding agencies in different research areas. This has resulted in **05 UGC funded Minor Projects, 01 each Major and Minor Projects submitted. Out of 05, 03** are completed and reported to UGC.

Research activities. There has been a considerable increase in the number of research papers published in indexed journals, articles in books and editing books. 62 research papers publication and 58 research papers presentations have been made in National/International conferences and seminars and 01 books publications, 01 edition and 08 chapters edited in books and 01 research article publications in National/International journals, Conferences, Seminars, Workshops proceedings and news papers. Faculties along with students, permitted to participate in State/National/International Conferences, Seminars and Workshops to promote research culture and aptitude among students.

Collaborative research projects initiated: The departments of Chemistry and Zoology are carrying on research in various areas of research. Efforts are being made the Departments of Chemistry is recognized and Department of

Zoology applied for recognition as Research Centers, affiliated Sant Gadge Baba Amravati University, Amravati.

College Publications:

□ College magazine “**ZEP**”, “**Wall Display Board**”, and “**Jagar Janiwancha**” provides platform for the students to sharpen and exhibit their creative skills. Efforts are being made the 29 articles, 77 poems are published.

Extension: Extension activities have always been at the heart of Vidnyan Mahavidyalaya and are organized in the college and surrounding adopted areas/villages. This practical learning sensitizes the students to work for the society and thus contributes to nation building.

“**Career and Counseling Cell**” set up to enable the college to formalize its thrust for inclusiveness of students from the disadvantaged sections of society and serve the academic need of the low achievers in the community. All students who have been trained in the Cell have been gainfully employed.

Infrastructure and Learning Resources

Considering a wide range of career options offered by the institution, library facilities have been improved by purchasing numbers of books, journals and periodicals. Central library has been automated with Library Automation software. Text Books, Reference Books, Journals and Periodical worth Rs. 961469/- are purchased up to 2013-14. At present the library has more than 3362 books, 65 encyclopedia, 34 audio-visual material, 15 journals and 07 periodicals.

The Department of Chemistry had been “Recognized Research Center” since 2010 affiliated to Sant Gadge Baba Amravati University, Amravati. Sophisticated research grade equipment and instruments added. The college has attracted funds from National funding agency UGC for interdisciplinary research.

The Department of Zoology has applied for “Recognized Research Center” to Sant Gadge Baba Amravati University, Amravati, in 2012.

A new Multimedia (interactive Board) setup in the Zoology and Computer science laboratories and the up-gradation of several UG laboratories (according to UGC Norms) has helped develop individual skills.

Consultancy and collaboration: The college is rendering consultancy services on Personality and skills Development; Career Guidance; Computer Basics; Counseling on Coping with Stress; Anxiety and Depression; Filling of Mahila Bachat form to women from adjoining areas; Manogat Parivar Malkapur; Deepstambha, Jalgaon; Dheya, Nandura; Chaitanya Chemical Pvt. Ltd, Malkapur and Rosoya Oil Industry, Malkapur.

Student Support Services: A host of centres to cater to the intellectual, psychological and social needs of the students have been established to enrich the teaching-learning experience. Student Welfare activities and Student Leadership Development Programmes have been initiated. The Vidnyan Mahavidyalaya is a single faculty college; hence to setup various cells, the college has working number of committees. These are: Setting up of Red Ribbon Club, Library committee, Poor Student Welfare Scheme (PSWS), Women Empowerment Committee, Student and Staff Grievance Redressal Committee and Career and Counseling Cell etc. Student mentoring activities are planned and organized. Remedial Coaching Classes are arranged for Advance and poor learner students, various programmes for MPSC/UPSC Examinations, STI, PSI, Banking sector and Railway sector examinations. Under the UGC Scheme to support and orient the SC/BC/Minority classes and other lower socioeconomic strata students towards higher education and career placements. Economically weak students are given concessions during admission and supplemented funds by college staff personally and through Poor Student Welfare Scheme. Regular Yoga Coaching given to students during NSS camp.

B. Fostering Global Competencies

The college has introduced several innovations in academics, administration and other levels of the college's functioning to foster global competencies among students and enable them to carve a niche for themselves in this fast changing global educational scenario.

Student Exchange Programme: Over the past four years the college has signed MoU with three Reputed pathology laboratories, two industries and two MPSC/UPSC educational Centers. This presence students and faculty facilitating intercultural communications and exchange of academic information and ideas.

Teacher Guardian Scheme: Over the past ten years the college has 16 to 20 students allotted to a faculty member at the beginning of each session to guide and counsel in respect to academic performance and problems of the students during complete session.

Linkages/Collaborations with different hosts: Linkages with Industry and collaborations with education centers, industries have been established to nurture entrepreneurial skills and global competencies among students. The college has entered into **tie-ups with medical labs** and **MoU signed with Rasoya Oil Industry Pvt. Ltd., Chatainay Chemical Pvt. Ltd, Sub District Hospital, Malkapur and Wild Life Conservation and Fishries and Ecology.**

C. Inculcating a Value System among Students:

Vidnyan Mahavyalaya, Malkapur aims at providing quality education which encompasses moral and ethical values and assimilation of qualities which prompt a global vision. Knowing that values are imbibed rather than taught, the college adopts several means to inculcate those values that are needed to live in a pluralistic society. Learning programmes which link the academic component to service are offered by all departments. Courses on a wide variety of subjects dealing with societal issues Human Rights, Gandhian

Thought and Philosophy inculcate the much needed values of socio-cultural tolerance and peace. The eco-friendly initiatives on campus help students become eco-conscious in every aspect of their life. Foundation Programme, Panel Discussions, Lectures/Talks on Gender and other social issues like Female Feticide, AIDS help students appreciate the value of living in a pluralistic society, enhances their moral values and also improves their Emotional Quotient to face the demands and challenges in the changing world. A spirit of compassion and generosity, love for nature and wildlife is felt and expressed through celebrations like Science day, Anniversaries of great persons.

D. Promoting Use of Technology

In a fast changing world, technology is not merely for communication. It can significantly improve the efficiency of the teaching-learning-testing process as also the process of administration and management. Using technology in the teaching learning process has been strengthened in the past 5 years to include the use of VirtualPrivate Network, Internet, and e-resources networked through the Network Resource Center. With the aim of becoming fully automated, the college has augmented the number of systems in the college, update computer laboratory, advance instruments, installed interactive boards, Office and library automation, computers to laboratories, safe drinking water RO system, Power generator, Biometric system etc.

e-Governance:

College has well and updated web site www.vmvmlk.org. During admissions, application is uploaded in the website for downloading. The Data Centre, compiles and keeps records of college, student and faculty details

Teaching, Learning and Evaluation:

The college is having fibre optic backbone in the campus for connectivity of internet with 4 Mbps Broad Band line. The access of internet is provided to every student and faculty, Computer Science department, administrative

office and library through this backbone network. Some departments have Interactive Board System, LCDs with laptops that are used extensively for teaching. Students have free access to computers in their departments. Video-conferencing facility by Computer Science Department facilitates interaction with renowned international and national scholars.

E. Quest for Excellence

The college, since its inception, has been striving towards excellence. Realizing that this is an ongoing process the college takes continuous steps to improve on all fronts. The supportive management constantly exposes the faculty members to new teaching-learning pedagogies, assessment tools, planning techniques and leadership styles to equip them to face the challenges posed by the present generation of students. Need specific programmes are organized to update all the faculty members in their own areas of expertise. Student Feedback on Teachers and assessment of faculty members has helped the individual look at herself critically, make necessary changes in her professional life and grow towards excellence. VMV has ensured that the physical infrastructural facilities are systematically updated to meet the new, supplementary and replacement demands of the community. The changes brought about include new class rooms and laboratories, Post Graduate Lab, Videoconferencing facility, Pan Poi, cycle and vehicle stand. College with its mission and goals of empowering quality education through the light of knowledge has been serving generations with its unique and innovative ways of teaching, learning and reaching out to the society. The quest for excellence which has been the priority of the founders is still leading the institution in its onward journey. Today the college continues to fulfill its mission for the present generation while nurturing a vision for the future.

—Vision without action is merely a dream. Action without vision is just passing the time. Vision with action can change the world.” Joel A. Barker

VMV is a living testimony of the fact that no matter how big a dream is, it can always be turned into reality. **Shri. Dattabhau Mahajan, and Dr. P. G. Mohata, Shri. Govindbhau Baheti and others the visionary Founders** dared to dream and dream differently of women emancipation and empowerment through Higher Education. The college, nurtured by generations of like-minded dedicated souls, made sincere efforts on all fronts to promote quality and provide value oriented empowering education. Fully conscious of the needs of our youth, the college opened new vistas for students to enable the students to be in sync with global enhancement technology and emerged as a fine synthesis of tradition and modernity. Driven by a vision and a mission for realization of objectives of academically enriching, socially uplifting and empowering through value based holistic, learner-centered co-education, VMV continues to strive relentlessly for exploring the unexplored vistas of life for the sustainable evolution of human society.

FUTURE PLANS

The future plan of the college

1. Recognition of Zoology laboratory for the Ph.D. research work.
2. Collaboration of research section of the college with Health department of local administration bodies like Gram Panchayat, Panchat Samittee and Zilla Parishad.
3. Construction of Library, Seminar hall, Research laboratory and Rooms for extra-curricular activities.
4. Overall development of Individual student through training programmes and increase in conduction of activities (Extension and Cultural).
5. Starting of need base Vocational Programmes.
6. To find out the new areas in consultancies.



Gaurishankar Seva Samiti's

☎ Off. : 223259

VIDNYAN MAHAVIDYALAYA MALKAPUR - 443101, Dist. Buldana (M.S.)

Shri. D. G. Mahajan
President
Ph. 222008 (Resi.)

Dr. B. B. Wankhade
Principal
Ph. 226499 (Resi.)

No. V.M.V. 536 / 2014

Date : 09/12/14

Declaration by the Head of the Institution

I certify that the data included in this Re- Accreditation Report (RAR) are true to the best of my knowledge.

This RAR is prepared by the institution after internal discussions and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this RAR during the peer team visit.

Place: Malkapur
Date: 09/12/2014




Principal
Vidnyan Mahavidyalaya, Malkapur
Principal
Vidnyan Mahavidyalaya,
Malkapur, Dist. Buldana.



Gaurishankar Seva Samiti's

Off. : 223259

VIDNYAN MAHAVIDYALAYA MALKAPUR

Shri. D. G. Mahajan
President
Ph. 222008 (Resi.)

Dr. B. B. Wankhade
Principal
Ph. 226499 (Resi.)

No. V.M.V. 537 / 2014

Date : 09/12/2014

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that **Vidnyan Mahavidyalaya, Malkapur Dist-Buldana**, fulfils all norms

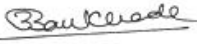
1. Stipulated by the affiliating University i.e. **Sant Gadge Baba Amravati University, Amravati.**
2. Regulatory Council/Body i.e. **U.G.C.** and
3. The affiliation and recognition is valid as on date

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.



Place: Malkapur
Date: 09/12/2014


Principal
Vidnyan Mahavidyalaya, Malkapur
Principal
Vidnyan Mahavidyalaya,
Malkapur, Dist. Buldana.



AMRAVATI UNIVERSITY
AMRAVATI - 444602
(M.S.)

☎ : (OFF) : 2662206, 2662207, 2662208, 2662249, 2662358 FAX NO. 0721-2662135, 2660949 GRAM : AMUNI

No.:- AU/8/C-1928/2005.
Dt.:- 2.9.2005

To,
The Principal,
Vidnyan Mahavidyalaya,
MALKAPUR,
Distt. Buldana.

Subject :- Permanent Affiliation under Section 88 of Maharashtra Universities Act, 1994 regarding.....

Ref'nce :- Your letter No. 421/2004 , dated 14.12.2004.

Sir,

With reference to your letter cited above, it is to inform you that, the Academic Council of Sant Gadge Baba Amravati University in its meeting held on dated 21/8/2005 vide item No. 60 resolved to grant Permanent Affiliation to your college for following course / Subjects from 2005-2006 subject to the fulfilment of the conditions as mentioned below :-

1. Even though your college/Institution is granted permanent affiliation it shall continue to pay annual affiliation fee as prescribed in Direction No.39/2004, dated 20/10/2004 from time to time.

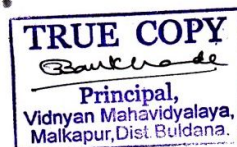
Sr.No.	Course	Subjects
1.	B.Sc.	Chemistry,Botany,Physics, Mathematics, Zoology, Coputer Science,English, Marathi.

Yours faithfully,

(Dr. P.S. Narkhede)
Registrar.

Copy with compliments to :-

- 1) Director of Higher Education, Maharashtra State, Pune-1.
- 2) Joint-Director of Higher Education, Amravati Region, Amravati.
- 3) Asstt.Registrar(Devp), Sant Gadge Baba Amravati University.
- 4) Controller of Exam., Sant Gadge Baba Amravati University.
- 5) Finance & Accounts Officer, Sant Gadge Baba Amravati University.
- 6) Director of Student Welfare, Sant Gadge Baba Amravati University.



अधिसूचना

क्रमांक : ८२/२०१३

दिनांक ११.७.२०१३

विषय : संलग्नकरणाबाबत..

सर्व संबंधितांचे माहितीकरीता अधिसूचित करण्यात येते की, खाली दर्शविलेल्या महाविद्यालयांकरीता, अभ्यासक्रम / विषय / अतिरीक्त तुकडी च्या संलग्नकरण वाढीसंदर्भात नियुक्त करण्यात आलेल्या चौकशी समित्यांचे अहवाल दि.१८.०४.२०१३ रोजी झालेल्या विद्वत परिषदेने विषय क्र. ४, १४, व ४४ अन्वये मान्य केल्यानुसार स्तंभ क्र.२ मध्ये दर्शविलेल्या महाविद्यालयास, स्तंभ क्र.३ मध्ये दर्शविलेल्या अभ्यासक्रम / विषय / अतिरीक्त तुकडीस, स्तंभ क्र.४ मध्ये दर्शविलेल्या कालावधीकरीता म.वि.कायदा १९९४ मधील कलम ८३,८६ व ८७ मध्ये दर्शविलेल्या तरतुदींचे अधिन राहुन तसेच B.Ed., M.Ed., LL.B., B.E., M.B.A., M.E., B.Pharm., M.Pharm. या अभ्यासक्रमास संबंधित शिखर संस्थांच्या (Apex Body) मान्यतेचे अधिन राहुन व विद्वत परिषदेच्या खालील प्रमाणे घेतलेल्या निर्णयाचे अनुषंगाने संलग्नकरण प्रदान करण्यात येत आहे.

"The period of continuation of affiliation for some colleges like B.A., B.Com., B.B.A., B.Sc. courses has been granted affiliation for more than one year where no approved Principal / Teachers are available and infrastructure is inadequate. The Council directed the office to find out such colleges for which more than one year affiliation is given and L.E.C. will visit every year for compliances, to such colleges."

TABLE

Sr. No.	Name of the College	Subject(s) / Course(s)/ Add.Section(s)	Period of continuation of affiliation
1.	2.	3.	4.
1.	Rajarshi Shahu College of Engineering, Sagwan Road, Buldana	B.E. 1.Comp.Sci. & Engg., 2.Electrical Engg., 3.Ele. & Telecomm. Engg., 4.Mechanical Engg., 5.Information Tech. B.E.-III 1.Electrical Engg., 2.Mechanical Engg.	For the session 2012-2013
2.	Sarswati College, Shegaon Distt:-Buldana	B.C.A., B.B.A.	For the session 2012-2013
3.	Mauli Group of Institution's College of Engineering & Tech.,Shegaon Distt:-Buldana	B.E. 1.Comp.Sci. & Engg., 2.Electrical Engg., 3.Ele. & Telecomm. Engg., 4.Mechanical Engg.	For the session 2012-2013
4.	Shahu Maharaj College of Education, Malvihir, Buldana.	M.Ed.	For the session 2012-2013
5.	Oasis Arts & Commerce College, Dhad Distt:-Buldana	B.A., B.Com.	For the session 2011-2012 & 2012-2013
6.	Shubham Institute of Computer Science & Business Admn., Chikhali Distt:-Buldana	B.C.A., B.B.A.	For the session 2012- 2013
7.	Smt.S.R. Mohata Mahila Mahavidyalaya, Khemgaon	B.Com.	For the session 2010-2011

8.	College of Library & Information Science, Buldana.	B.Lib., M.Lib.	For the session 2012-2013
9.	Sarwati College, Gaulkhed Road, Shegaon. Distt:-Buldana	M.C.A.	For the session 2012-2013
10.	Late Narmdabai Bodkhe Adhyapak Mahavidyalaya, Gadegaon Tq.Telhara, Distt:-Akola.	B.Ed.	For the session 2012-2013
11.	Shankarlal Khandelwal Arts, Commerce & Science College, Akola.	B.C.A., B.B.A, M.Sc. (Bio-informatics) M.Sc. (Chemistry) B.A.(Sanskrit Litt.) M.A. (English) B.Com.(Eng.Med.) Bio-medical Ins. Communication Skill in English, Banking & Insurance	For the session 2012-2013
12.	Akola College of Law, Akola.	LL.M. 1.Business Law 2.Corporate Law 3.Human Right 4.Criminal Law 5.Constitutional Law	For the session 2012-2013
13.	Sanmati College of Law, Washim.	LL.B. (5 Yrs)	For the session. 2012-2013
14.	Gulam Nabi Azad Arts, Commerce & Science College, Barshi Takli Distt:-Akola.	B.A. (Addi.Sect.) B.Com. (Addi Sect.) B.Sc. (Addi Sect.) M.A. (Music,Soc.) B.Sc.(Home-Sci.) P.G.Diploma in Non-conventional Energy System	For the session 2012-2013
15.	Smt.L.R.T. Commerce College,Akola.	B.Com.-I,II,III(Addi.Sect.)	For the session 2012-2013 2013-2014 & 2014-2015
16.	Shri Balaji Adhyapak Mahavidyalaya, Jambhuran Parande, Washim	B.Ed.	For the session 2012-2013
17.	Smt.Salunkabai Raut Arts, Commerce College, Wanoja Distt:-Washim	B.A. (Music, Sociology)	For the session 2012-2013
18.	Jai Bajrang Arts College, Channi Distt:-Akola	B.A.	For the session 2012-2013
19.	Bhauasheb Janorkar Science & Commerce College, Akola.	M.C.M., B.B.A.	For the session 2012-2013
20.	Kisanlal Nathmal Arts & Commerce College, Karanja Lad. Distt:-Washim	M.A. (History)	For the session 2011-2012 & 2012-2013
21.	Late.Ganesh Bhaskarrao Shingane Arts College, Deulgaon Mahi Distt:-Buldana	B.A.	For the session 2011-2012
22.	Science College, Malkapur. Distt:-Buldana	M.Sc. (Chemistry)	For the session 2011-2012, 2012-2013, 2013-2014 &

TRUE COPY
Baulade
Principal,
Vidnyan Mahavidyalaya,
Malkapur, Dist. Buldana.



**SANT GADGE BABA
AMRAVATI UNIVERSITY**
AMRAVATI - 444602
(M.S.)

☎ : 2662206, 2662207, 2662208, 2662249, 2662358
website : www.sgbau.ac.in

FAX NO. 0721-2660949, 2662135

GRAM : AMUNI

SGBAU/8/C- ¹⁴³⁰ /2014
Date:- 2 /09/2014

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Vidnyan Mahavidyalaya, Malkapur - 443101 Maharashtra is affiliated to Sant Gadge Baba Amravati University, Amravati. Since 1993 and recognized by the university grant commission and the following programme and courses are taught in the said college, as per approval.

Programme	Courses	Duration	Affiliation	Validity Period
Under graduate B.Sc.	Physics, Chemistry, Botany, Zoology, Computer Science, Mathematics	3 yrs.	Permanent	Permanent
Post graduate M.Sc.	Chemistry	2 Yrs	Up to 2014- 2015	Temporary

TRUE COPY

Bankunde

Principal,
Vidnyan Mahavidyalaya,
Malkapur, Dist. Buldana.

Dy. Registrar (Coll. Section)

**संत गाडगे बाबा
अमरावती विद्यापीठ, अमरावती.**

23236351, 23232701, 23237721, 23234116
23235733, 23232317, 23236735, 23239437



विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

F. 8-104/2004 (CPP-I)

December, 2004

The Registrar,
Amravati University,
Amravati (M.S.).

14 DEC 2004

Sub:- List of Colleges prepared under Section 2 (f) of the UGC Act, 1956-Inclusion of New College.

Sir,

I am directed to refer to letter No. V.M.V./259/2004 dated 03-08-2004 received from the Principal, Vidnyan Mahavidyalaya, Malkapur on the subject cited above and to say that the name of the following College has been included in the list of Colleges prepared under Section 2 (f) of the UGC Act, 1956 under the head Non-Government Colleges teaching upto Bachelor's Degree:-

Name of the College	Year of Establishment	Remarks
Vidnyan Mahavidyalaya, <u>Malkapur-443 101 (Buldana).</u> (On temporary affiliation)	1993	The College is not eligible to receive Central assistance in terms of the Rules framed under Section 12-B of the U.G.C Act, 1956.

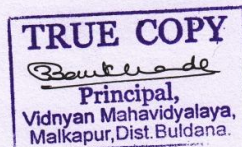
The Indemnity Bond and other documents in respect of the above College have been accepted by the Commission.

Yours faithfully

(Mrs. Urmil Gulati)
Under Secretary

Copy to:-

1. The Principal, Vidnyan Mahavidyalaya, Malkapur-443 101 (Buldana).
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi-110 001.
3. The Joint Secretary, UGC, Western Regional Office, Ganeshkhind, Poona University Campus, Pune (M.S.).
4. Section Officer, FD-III Section, UGC, New Delhi.
5. All Sections, UGC, New Delhi.
6. Guard file.



• *Prem Chand*
(Prem Chand)
Section Officer

232360951, 23232701, 23237721, 23234116
23238733, 23232317, 23236735, 23239437
www.ugc.ac.in



विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली 110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

E.8-104/2004 (CPP-1)

March, 2006

The Registrar,
Sant Gadge Baba Amravati University,
Amravati-444 602 (M.S.)

Sub:- **Declaring a College fit to receive Central assistance under Section 12-B of UGC Act, 1956.**

Sir,

I am directed to refer to the letter No. 1355/2005 dated 27.10.2005 received from the College on the above subject and to say that it has been noted that Vidnyan Mahavidyalaya, Malkapur (Buldana) has been granted permanent affiliation by the Sant Gadge Baba Amravati University. Accordingly, Vidnyan Mahavidyalaya, Malkapur (Buldana) which already stands included under Section 2 (f) of the UGC Act, 1956 under the head "Non Government Colleges teaching upto Bachelor's Degree" is declared fit to receive central/UGC assistance in terms of Rules framed under Section 12-(B) of the UGC Act, 1956.

Yours faithfully,

(Mrs. Urmil Gulati)
Under Secretary

Copy to:-

1. The Principal, Vidnyan Mahavidyalaya, Malkapur (Buldana) M.S.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhavan, New Delhi-110 001.
3. Principal Secretary, Technical & Higher Education, Govt. of Maharashtra, Mantralaya, Mumbai - 400 032.
4. The Joint Secretary, UGC, Western Regional Office, Ganeshkhind, Poona University Campus, Pune-411 007 (M.S).
5. Publication Officer (Website-UGC), New Delhi.
6. Section Officer (F.D.-III Section) U.G.C., New Delhi.
7. All Sections, U.G.C, New Delhi.
8. Guard file.

(B.R. Nagpal)
Section Officer

TRUE COPY
Principal,
Vidnyan Mahavidyalaya,
Malkapur, Dist. Buldana.



**SANT GADGE BABA
AMRAVATI UNIVERSITY**
AMRAVATI - 444602
(M.S.)

☎ : (OFF) : 2662206, 2662207, 2662208, 2662249, 2662358
website : www.amtuni.com

FAX NO. 0721-2660949, 2662135 GRAM : AMUNI

Reminder

No.SGBAU/7-D/6/71/317/07

Date : **24 MAY 2007**

To,
The Secretary,
Department of Higher Education,
Government of Maharashtra,
Mantralaya Annexe,
Mumbai-32

Sub : Sanction of Courses under the UGC scheme of "Introduction of Career Oriented Programme 2006-07 under plan" to the colleges affiliated to the University.

Ref : University letter No.SGBAU/7-D/6/71/317/07 date 20/04/2007

Sir,

Proposals of the colleges for "Introduction of Career Oriented Courses at first-degree level, were recommended by the University to the UGC under the UGC scheme. The UGC has granted permission to the following colleges for career oriented courses at first-degree level and has also granted financial assistance for this purpose, copy of which is again enclosed herewith for your reference.

Sr. No.	Name of the Colleges	Course Approved by UGC	Financial Assistance by UGC(lakh)
1 ✓	Vidnyan Mahavidyalaya, Malkapur, Dist. Buldan	Water Quality and Soil Testing	7.00
2	Late N.A. Deshmukh Arts & Comm. College, Chandurbazar, Dist. Amravati	Computer and information Tech.	7.00
3	Smt. Kesharbai Lahoti Mahavidyalaya, Amravati	Fashion Designing	5.00
4	Lokmanya Tilak Mahavidyalaya, Wani, Dist. Yavatmal	Functional English	5.00
5	L.B. Aney Mahila Mahavidyalaya, Yavatmal	Fashion Designing	5.00
6	M.Fule arts, Commerce & Sitaramji Choudhari Science College, Warud, Dist. Amravati	Biomedical Laboratory	7.00
7	Matoshri Vimlabai Deshmukh Mahavidyalaya, Amravati	English Grammar and Communicative Skills	5.00
8 *	Nehru Arts & Commerce College, Nerparsopnat, Dist. Yavatmal	Accounting & Auditing	5.00
9 *	R.A. Arts, Shri M. K. Commerce & Shri S. R. Rathi Science Mahavidyalaya, Washim	E-Commerce	5.00

32	G. S. Tompe Arts & Commerce Mahavidyalaya, Chandur Bazar, Dist. Amravati	Translation Proficiency	12.00
		Information and Computer Technology	
33	B.S. Patil Mahavidyalaya, Achalpur, Paratwada, Dist. Amravati	Rural Handicraft	5.00
34	R.L.T. College of Science, Akola	Clinical Laboratory Technology	7.00
35 *	Shri Shivaji College, Akot, Dist. Akola	E-Commerce	5.00

The above courses sanctioned by the UGC are permanently on non-^{grant} basis and there is no financial burden on the Government. It is again requested to kindly grant permission for introduction of the courses to the said colleges at the earliest, so that the courses could be introduced from this academic session.

Yours faithfully,

(Signature)
(C.D.Deshmukh)
Registrar

Copy forwarded for information to

The Principal, Vidnyan Mahavidyalaya,

Malkapur, Dist. Buldana - 443101





Recipient of the International Award for Institutional Excellence
in Distance Education from Commonwealth of Learning, Canada

Yashwantrao Chavan Maharashtra Open University
[Established by Government of Maharashtra in 1989]

Dnyangangotri, Near Gangapur Dam, Nashik - 422 222
• Telephone : [0253] 2230718, 2231714, 2231715 • Fax : [0253] 2230718 • Mobile :
• E-mail : ycmouhs@yahoo.co.in • website : http://ycmou.digitaluniversity.ac

Dr. Jaydeep Nikam

Director, School of Health Science

Outward No:YCMOU/SHS/2014/34

Date : 14/07/2014

The Head,
Gaurishankar Seva Samiti's,
Vidnyan Mahavidyalaya,
Malkapur, Dist-Buldhana 443101

Subject : About Study Centre Approval for DMLT

Dear Sir/Madam,

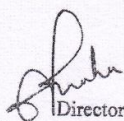
We are pleased to inform you that your application for Study Centre has been approved for 3 years (2014-2017) as a YCMOU Authorised Study Centre (SC) for conducting the Programme of DMLT, for 20 students only, subject to fulfilment of the following conditions within 20 days.

Kindly send a D.D. of Rs.10,000/- (Ten Thousand rupees only) (Non Refundable) drawn from a Nationalised Bank in favour of 'Finance Officer' YCMOU, Nashik Payable at Nashik.

Please send an Undertaking (Enclosed Copy) on Rs.100/- stamp paper duly signed by appropriate authorities of your Centre.

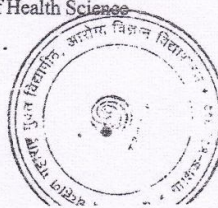
We look forward to you for good academic practices in Open and Distance learning. This collaboration will help us to achieve the objective of "Reaching the Unreached" and offer quality academic services to our students.

With Best Wishes.


Director
School of Health Science

Copy to : Director, Student Service Division, YCMOU
Director, Regional Centre, Amravati

TRUE COPY
Bautade
Principal,
Vidnyan Mahavidyalaya,
Malkapur, Dist. Buldana.



Annexure-VIII

विश्वविद्यालय अनुदान आयोग
पश्चिम विभागीय कार्यालय
गणेशखिंड, पुणे - ४११००७
University Grants Commission
Western Regional Office
Ganeshkhind, Pune - 411007.



दूरभाष Phone: कार्यालय OFF:- 020 - 25696897
020 - 25691178

फॅक्स Tele Fax.: 020 - 25691477
Website - www.ugc.ac.in

F. No 4-68/13(WRO)

Date: 27.03.2014

The Principal,
Vidnyan Mahavidyalaya,
Malkapur, Nandura Road, Near Saoji Jin,
Malkapur,
Buldana - 443101.

Subject: XII Plan allocation under General Development Assistance to Colleges.

Sir/Madam,

I am directed to convey the approval of the UGC to **Vidnyan Mahavidyalaya, Malkapur, Buldana- 443101** the XII plan allocation of Rs.5089410/- under the "General Development Assistance" for the development of undergraduate and postgraduate education. The UGC in the XII Plan has decided to provide grants under General Development Assistance as 'Block Grant'. The college will have the flexibility to incur expenditure under the following heads as per the needs of the college. Accordingly, grant allocated under GDA to the college is under two object heads viz. Grant-in-aid General (31) and Capital Assets (35).

Capital Assets (35) 80% of total allocation	Grant-in-aid General (31) 20% of total allocation	Total
Rs.4071528/-	Rs.1017882/-	Rs.5089410/-

- The above mentioned allocation is meant for the development of undergraduate and postgraduate education.
- The college has to constitute a Planning Board with Principal as Chairman and Heads of departments, IQAC Coordinator, Librarian & Bursor/Senior person from the Accounts department as members
- The Planning Board will finalize allocation to Undergraduate and Postgraduate departments after identifying the heads and deciding on priorities of departments.
- The eligibility criteria for Undergraduate and Postgraduate departments to get assistance under the scheme is given in the XII plan guidelines for Development grant to colleges.
- The Planning Board may refer to the guidelines before finalizing allocation to Undergraduate and Postgraduate departments
- After finalizing the budget allocation for Undergraduate and Postgraduate education, the Planning Board should submit the details as per Annexure - I and Annexure - II in the XII plan guidelines to the UGC (WRO), Pune latest by 30th June 2014.
- Expenditure on construction, extension, and renovation of building should not exceed 50% of the total grant under GDA. The college must inform the requirement of funds or otherwise for construction, extension, and renovation of building before 30th June, 2014 to enable further release of grant under the scheme.
- UGC has already released adhoc on account grant to the college against this XII Plan allocation.



- The concept of Merged Schemes introduced during the XI Plan has been done away with and no separate grant under the Merged Schemes will be provided during the XII Plan.
- It is also mentioned here that the following schemes which were earlier part of Merged Scheme now will be implemented independently by a dedicated cell of UGC at Head Quarter, New Delhi and separate grant will be provided by UGC under these schemes.
 - (i) Equal Opportunity Cell.
 - (ii) Remedial Coaching for SC/ST/OBC (non-creamy layer) and minority community students.
 - (iii) Coaching for NET for SC/ST/OBC (non-creamy layer) and minority community students.
 - (iv) Coaching Classes for Entry into services for SC/ST/OBC (non-creamy layer) and minority community students.
 - (v) Scheme for persons with disabilities.

Yours sincerely,

R. Batra

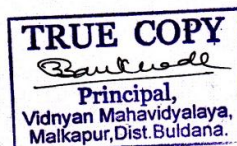
[Dr. (Mrs.) Renu Batra]
Joint Secretary.

Copy to:

1. The Director BCUD/CDC University of Amravati
2. The Director, Higher Education, Govt of Maharashtra, Central Building Pune-1.
3. Account General, Govt of Maharashtra state, 101, Maharshi Karve Marg, Mumbai -20.
4. Guard file.

R. Batra

[Dr. (Mrs.) Renu Batra]
Joint Secretary.



Sant Gadge Baba Amravati University, Amravati.

Tele : 2552520
Gram : AMUNI

No.SGBAU/PhD/86/2011
Dated : 20.04.2011.

To,
✓ Principal,
Vidnyan Mahavidyalaya,
MALKAPUR.

Subject : Applications for recognition of Laboratory for Ph.D.
Research for Chemistry in the faculty of Science.

Sir,

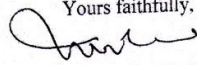
The recommendations of the committee for recognition of laboratory about the application of your college was considered by Board of University Teaching and Research and recommended to Academic Council. Recommendations of B.U.T.R. were accepted by Hon'ble Vice-Chancellor on behalf of Academic Council under Section 14(7) of M.U.Act, 1994 on 18.04.2011.

The final decision of Academic Council is as under:

<i>Sr. No.</i>	<i>Subject</i>	<i>Decision of Academic Council</i>
1.	Chemistry	Council resolved to recognize the laboratory for research work of Ph.D. having a capacity of 08 (Eight) students.

The decision is communicated for your information and further necessary action.

Yours faithfully,


Deputy Registrar (Ph.D.Cell)
S.G.B.Amravati University,
Amravati.

