



Sudam Shikshan Prasarak Mandal's  
**Matoshri Nanibai Gharphalkar  
Science College, Babhulgaon,  
District Yavatmal (Maharashtra)**

Affiliated to  
Sant Gadge Baba Amravati University, Amravati (M.S.)



Accreditation Cycle I  
**SELF-STUDY REPORT**

SUBMITTED TO  
National Assessment and Accreditation Council  
Bangalore  
May - 2016

By  
Principal

Matoshri Nanibai Gharphalkar Science College,  
Babhulgaon, District-Yavatmal (M.S.)

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NAAC TRACK ID: MHC0GN22761

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# Matoshri Nanibai Gharphalkar Science College Babhulgaon Dist.Yavatmal

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## **A. PREFACE**

Sudam Shikshan Prasarak Mandal, Yavatmal was established on 19/12/1984 under the guidance of Shri Krushna Kadu. The Sudam Shikshan Prasarak Mandal has started different institutions which are working actively in the field of education. All members of governing body are good in academics and they have keen interest in developing institution.

Our Matoshri Nanibai Gharphalkar Science College was established in 2008 at Babhulgaon which is located in rural area of Yavatmal district on non-grant basis. In those days, there was a dire need of science faculty because such facility was not in Babhulgaon. By considering need of students management has started Science College with subjects Physics, Chemistry, Mathematics, Electronics and Computer science. Our institution works in an environment of global competitiveness. We are sensitive for changing educational, social and market needs to gear up, to promote ambience of creativity and innovativeness. We are always trying to adopt quality management strategies in all academic and administrative systems for the benefit of students and community.

The college at large is catering to the needs of the rural students who inspire to become graduates in Science. The college strives in achieving all round development of students particularly in the context of new challenges. Provision of quality will be the key elements in all the endeavors.

The college has been serving the people from rural and backward area in providing quality education for empowerment, progress and rural development.

I am thankful to the President, Vice-president, Secretary and all the members of Sudam Shikshan Prasarak Mandal, Yavatmal, for their support and encouragement to the assessment and reaccreditations by National Assessment and accreditation council (NAAC) Bangalore.

My thanks are also due to coordinator Prof.O.K.Kapse, Steering committee members, all Head of the departments and all staff members and the non teaching staff for preparation and compilation of self study report.

Dr.A.P.Deshpande

PRINCIPAL

Place: Babhulgaon

Date: 11May 2016

## **B. EXECUTIVE SUMMARY**

### **CRITERIA I: CURRICULAR ASPECTS**

The college is affiliated to Sant Gadge Baba Amravati University, Amravati. The curriculum is being designed and developed by University and is implemented by the college. To complete the curriculum within stipulated time, the academic diary is maintained by the faculty. The curriculum is being discussed in departmental academic meetings. For effective curriculum transaction and subject knowledge updating the faculties are motivated to participate in orientation, refresher course, short-term course and workshops on revised curricula. The overall monitoring on curriculum is monitored by head of the institute.

The academicians are invited to deliver talks on advanced topics on curriculum. The career counseling cell is functioning in the college. To cater needs of the employment in global market, the faculties give suggestions in curriculum framing workshop. Suggestions, recommendations from various stakeholders are communicated to the University authorities in the form of telephonic and electronic communication. The industrial experts are invited to deliver lectures on job opportunity and skill development. The industrial visits are arranged to enhance practical knowledge among the students. The effective transaction of curriculum is done by using ICT, strengthening laboratories, library and by organizing seminars, conferences, workshops, etc.

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

The college ensures publicity through updated prospectus which contains information regarding subject combinations, admission rules, college discipline, fee structure, scholarships, library, examination process etc. The academic calendar is prepared for smooth running of all academic programmes. In the Principal's address the teaching learning process is communicated to the students. As per the Time-Table of all subjects, HOD allots courses to faculties. The teachers submit teaching plan to the Principal through head. The Head of department, Principal and Management body monitor the teaching process. The lecture method is supplemented by the use of charts, maps, models and field visits. The teachers and students are encouraged to participate in seminars and conference. The college encourages the use of ICT. The seminars are conducted for the students. Periodic tests, tutorials are conducted for all the courses. Under the environmental awareness programme, field work is done by the students and the report is submitted to the college. The student attendance is regularly conducted in the practical and class and the monthly reports are submitted to the Principal. The irregular students are informed to their parents by telephonic communication. Sometimes, the parents are requested to visit college and meet with Principal. The faculties supervise the curricular and co-curricular progress of assigned

students. The overall performance of students is assessed through various curricular, co-curricular and extra-curricular activities and their academic performance is discussed in parent meets.

The qualified eligible teachers are appointed as per norms of University and Government of Maharashtra. Some teachers are appointed on temporary basis because regular faculty could not be appointed. The quality teaching is practiced by participation in seminars, conferences and workshops. For current and updated subject knowledge faculties are participating in orientation, short term and refresher courses. At the end of the academic year, every teacher submits a self appraisal report to the Principal. The report contains subject taught, contribution of teacher for the development of college, research, publications and extension activities.

The LMC and management discuss the subject wise results in university examination. In order to monitor the teaching process the Principal frequently observes the teaching in class.

### **CRITERIA III: RESEARCH CONSULTANCY AND EXTENSION**

The faculty of college has pursued strong, significant research activity. The Principal is recognized as a Ph. D. guide. The college facilitates research culture by encouraging involvement of faculties in research activities. Almost all the students were involved in doing projects and have presented the posters.. Eminent personalities are invited to address the students on different occasions. The college has organized seminars and workshops through various departments. Informal consultancy services are offered by two departments. The social indebtedness is carried out by the students in participating in extension activities like NSS, Swaccha Bharat Abhiyan, Blood donation camps, environment and health awareness programmes etc. The college has organized various lectures on value based topics. Most of the teachers and students are voluntarily and enthusiastically participate in social activities. The college organizes programmes on personality development, value added education, water conservation etc. For clean and green village students and villagers are involved in Shramadan, tree plantation and Gram Swachata.

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

The college has well maintained four acres of campus with sufficient physical infrastructure. It provides the facilities like ladies common room, staff room, administrative office, classrooms, laboratories, library, and seminar hall. The college spends adequate budget for the maintenance of infrastructure. The infrastructure committee of the college looks after up gradation, development, maintenance, security, and optimum use of the infrastructure facilities. The college peons and some external agencies use to maintain and repair infrastructure. The college also provides ICT through well equipped computer laboratory.

The library ensures access to the facilities like books, journals and reading facility. At the beginning of academic year faculties prepare list of required titles and are submitted to Library Committee. The books and journals are then purchased from distributors. The sufficient amount is spent on new books and journals every year. The library is well stocked with more than 2000 books, and more than 20 journals. The library is open for eight hours per day. The library adopts various strategies to motivate teachers to read existing and new arrivals. For physically challenged students library staff gives special help for selection and issuing books. Additional books and reading materials are issued for long term basis to advanced learners.

The computer with broadband internet facility is provided to all students and faculties in library and the Computer laboratory. The institution ensures optimum utilization of the available financial resources for maintenance and upkeep of infrastructural facilities. The up keeping and maintenance of electrification, building, fabrication plumbing, cleaning of toilet, playgrounds, and drinking water and laboratory equipments is done by college peons, attendants, and external agencies as per the need. The maintenance of computer and scientific equipments is done by the distributor. For upkeep and maintenance of sensitive equipments there is provision of on-line UPS and Voltage stabilizer. The clean and safe drinking water is provided through aqua guard and water cooler.

#### **.CRITERION V: STUDENT SUPPORT AND PROGRESSION**

The college publishes updated prospectus and academic calendar at the beginning of academic year. It contains information about various scholarships, fee structure and guidelines about all co-curricular and extra curricular activities. The remedial coaching is made available to slow learner students. The advance learners are guided through career guidance cell. It encourages the students for appearing to different competitive examinations. The students are always encouraged to participate in various activities like sports, cultural programmes and debate competition. The college organizes lectures on health and hygiene, AIDS awareness, environmental awareness etc. As a part of personality development, Soft Skill Development Programme is organized for final year degree students. The activities organized under N.S.S are helpful to develop leadership qualities and entrepreneurial skills among the students.

In order to encourage students to appear in competitive examinations, the college has purchased books, specially, for such exams and they are separately stocked in the library. The college organizes lectures of eminent personalities on career guidance and job opportunities. The faculty members provide required information and guidance about placements. The carrier guidance cell is functioning effectively in guiding students. The help from alumni is channelized to follow a track for betterment of college.

## **CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**

The Sudam Shikshan Prasarak Mandal is an apex body that monitors the administration of the college. The important and necessary decisions are taken in management meetings and are noted as institutional resolutions. The Principal is the head of all academic and administrative matters. In order to decentralize the governance, the Principal distributes the academic and administrative works among the various committees. Each committee is headed by the chairperson along with members. The chairperson of the committee has authority and autonomy to carry out all the activities.

The decision regarding various committee works, academic works, administrative processes are taken by the Principal, LMC and Management body. The decisions taken there under are implemented by faculties. In order to monitor and evaluate policies the IQAC has been established under the leadership of the head of institution, which makes a quality policy for improving the curricular and extracurricular activities. For this purpose suggestions are taken from the faculties and the stakeholders through the alumni association and parent teacher meets. These suggestions are considered for effective implementation and improvement in the policies.

The Principal of the college collects adequate information through feedback from students, parent-teacher meet, academic reports and result analysis etc. This information is used for planning and development in effective implementation of academic and administrative works. The grievance redressal cell solves the grievances. The college has a planning and development committee that prepares the academic calendar. It has an inbuilt mechanism to check the working efficiency of students, academic support staff and faculties. The departmental works is conducted under the supervision of HOD.

All the funds received from various agencies are directly deposited in the account of the Principal, which is operated jointly by the Principal and Secretary of the Management. At the end of financial year audit is done from Chartered Accountant.

## **CRITERIA VII: INNOVATIONS AND BEST PRACTICES**

The college is situated in rural area of Yavatmal district. The environmental committee tries to keep a campus eco-friendly and makes environment awareness among the students and staff. The consumption of electricity and water is regularly monitored by head of the institution. All the classrooms and laboratories are well ventilated. For saving electricity we use LED bulbs and tubes with electronic chokes. The college has introduced innovative activities. Under the Soft Skill development programme, we organize invited talks and training programmes. The student teacher interaction and personal counseling is encouraged. The advanced learners are guided through Career Guidance Cell and the slow learners by conducting

extra lectures. The students from SC, ST, OBC and economically backward class are benefited by different scholarships.

Promotion of Research activity and Monitoring teaching learning is the best practice of our college. It contributed a lot for the achievement of institutional objectives and quality improvement. It is a great pleasure that in every academic year students from the college participate in competitions organized by University. Monitoring the effectiveness of teaching learning and its continuous evaluation is another best practice of the college. The practice is monitored by Principal and management. The College has set a good standard for curricular and extra co-curricular activities. The effective transaction and evaluation of practice is discussed in monthly meetings. The progressive report of students through tests, tutorials, midterm examinations is discussed in parent teacher meets. It has increased the attendance, regularity and punctuality among the students and teachers. The students are actively interacting with teachers and enjoy the benefits of learning. The college has gained continuous interactions with the entire stakeholder and this practice has made available democratic platform of education to everybody.

### **SWOC Analysis of the Institution**

#### **STRENGTHS:**

- Our mission “Providing best science education in rural area to meet the scientific challenges and contributing to the scientific research of the country” is our strengths
- Our sincere efforts to achieve the goals and objectives are our strength.
- A cordial relationship among stakeholders, such as management, teaching and non teaching staff, students and parents.
- Qualified and motivated faculty devoted towards benefits of the students.
- ICT enabled teaching and optimum utilization of resources.
- Gender friendly and eco-friendly premises.
- A number of extension, co-curricular and extracurricular activities are our strengths.
- The teaching learning process is student centered.
- Facilities provided to the students like photocopying, internet and reading room are our strengths.
- Play ground (indoor and outdoor).
- Well furnished classrooms, well equipped laboratories and well maintained lavatories are our strengths.
- Certificate course on sustainable energy.
- Certificate course on material characterization for researchers in physics, chemistry.
- Certificate course on preparation of soaps.
- Certificate course on introduction to analytical instrument.
- Certificate course on repair and maintenance of electronic equipment.



- Certificate course on PCB design.
- Certificate course on IT network support.
- Certificate course on IT hardware support.

**WEAKNESSES:**

- Some staff members are on clock hour basis and ad hock due to state government policy.
- Location disadvantage for strengthening academia-, industry linkages.
- Dropout ratio.

**OPPORTUNITIES:**

- Carrier orientation
- Skill orientation.
- Hands on experience.
- Collaborative research with industries.
- Collaborative research with other academic institutions.
- Workshop for school teacher.
- Workshop for college teachers.
- Soil testing for farmers.
- Workshop on Solar energy.

**CHALLENGES:**

- Low profile of the students.
- Decreasing dropout ratio.
- Diverse student's community.
- Generation of resources for up gradation of infrastructure.

### C. Profile of the Affiliated /Constituent College

#### 1. Name and address of the college:

<b>Name:</b>	Matoshri Nanibai Gharphalkar Science College Babhulgaon.	
<b>Address:</b>	At.Po. Babhulgaon Dist. Yavatmal	
<b>City:</b> Babhulgaon	<b>Pin:</b> 445101	<b>State:</b> Maharashtra
<b>Website:</b>	www.mngsciencecollege.ac.in	

#### 2. For communication :

Designation	Name	Telephone with STD code	Mobile	F a x	Email
Principal	Dr. A.P. Deshpande	R: -07232 238157	9404848496		apdeshpande58@gmail.com
Vice Principal	----	O: R:			
Steering Committee Coordinator	Prof. O.K Kapse	O: 07203 270250	9595540877		kapseomkar88@gmail.com

#### 3. Status of the Institution:

Affiliated College	✓
Constituent College	
Any other (specify)	

#### 4. Type of Institution:

##### a. By Gender

i. For Men

ii. For Women

iii. Co-education

##### b. By shift

i. Regular

iii. Day

iii. Evening

5. Is it a recognized minority institution?

Yes	
No	✓

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

NA

**6. Source of funding:**

Government	
Grant-in-aid	✓
Self-financing	
Any other	

7. a. Date of establishment of the college: 15/07/2008

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)	Remarks (If any)
i. 2 (f)	12/09/2012	For B.Sc. and teaching upto Master Degree.
ii. 12 (B)	Nil	

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

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

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

iii.	NA
iv.	

(Enclose the recognition/approval letter Annexure II)

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

Yes  No

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

Yes  No

**9. Is the college recognized?**

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

Yes  No

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

b. for its performance by any other governmental agency?

Yes  No

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

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

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

Location *	Rural
Campus area in sq. mts.	15748 sq.mt.
Built up area in sq. mts.	2377.25 sq.mt.

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

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

- Auditorium/seminar complex with infrastructural facilities
- Sports facilities 
  - \* play ground
  - \* swimming pool

- \* gymnasium
- **Hostel (Proposed)**
  - \* Boys' hostel
    - i. Number of hostels
    - ii. Number of inmates
    - iii. Facilities (mention available facilities)
  - \* Girls' hostel
    - i. Number of hostels
    - ii. Number of inmates
    - iii. Facilities (mention available facilities)
  - \* Working women's hostel
    - i. Number of inmates
    - ii. Facilities (mention available facilities)
- Residential facilities for teaching and non-teaching staff (give numbers available -- cadre wise)
 

Cafeteria --	<input checked="" type="checkbox"/>	Health centre – Nil
First aid	<input checked="" type="checkbox"/>	Inpatient,
Outpatient,		Emergency care facility,
Ambulance	<input checked="" type="checkbox"/>	

Health centre staff –

Qualified doctor	Full time <input type="checkbox"/>	Part-time <input checked="" type="checkbox"/>
Qualified Nurse	Full time	Part-time

  - Facilities like banking, post office, book shops **Nil**
  - Transport facilities to cater to the needs of students and staff : **Yes**
  - Animal house
  - Biological waste disposal
  - Generator or other facility for management/regulation of electricity and voltage: **Yes**
  - Solid waste management facility
  - Waste water management
  - Water harvesting

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

Sr. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/approved Student strength	No. of students admitted

	Under-Graduate	B.Sc.	3 yrs	12 <sup>th</sup> Pass (Science)	English	360	183
	Post-Graduate						
	Integrated Programmes P G						
	Ph.D.						
	M.Phil.						
	Ph. D.						
	Certificate courses						
	UG Diploma						
	PG Diploma						
	Any Other (Add on Certificate Course)	List*				20	20

**List\* :**

1. Certificate course on sustainable energy.
2. Certificate course on material characterization for researchers in physics, chemistry.
3. Certificate course on preparation of soaps.
4. Certificate course on introduction to analytical instrument.
5. Certificate course on repair and maintenance of electronic equipment.
6. Certificate course on PCB design.
7. Certificate course on IT network support.
8. Certificate course on IT hardware support.

**13. Does the college offer self-financed Programmes?**

Yes  No

If yes, how many?

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

Yes  No

**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.)**

Particulars	Departments	UG	PG	Research
Science	Physics,	✓	-	-
	Chemistry,	✓	-	-
	Mathematics,	✓	-	-
	Electronics,	✓	-	-
	Computer Science,	✓	-	-
AnyOrthers (Sepecify)	-	-	-	-

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

- c. annual system
- d. semester system
- e. trimester system

**17. Number of Programmes with**

- f. Choice Based Credit System
- g. Inter/Multidisciplinary Approach
- h. Any other ( specify and provide details)

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

Yes  No

If yes,

- i. Year of Introduction of the programme(s).....  
(dd/mm/yyyy)  
and number of batches that completed the programme
- j. NCTE recognition details (if applicable)   
Notification No.: .....  
Date: ..... (dd/mm/yyyy)  
Validity:.....
- k. Is the institution opting for assessment and accreditation of  
Teacher Education Programme separately?

Yes  No

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

Yes  No

If yes,

l. Year of Introduction of the programme(s).....  
(dd/mm/yyyy)

and number of batches that completed the programme

m. NCTE recognition details (if applicable)

Notification No.: .....

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

Validity:.....

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

Yes  No

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

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC/ University/State Government <i>Recruited</i>	01*				03	00	13	-	-	-
<i>Yet to recruit</i>										
Sanctioned by the Management/society or other authorized bodies <i>Recruited</i>		-	-	-	-06	-03	-	-	-	-
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-

\*M-Male \*F-Female : \* Principal :Subject: Physics

### 21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	



Permanent teachers								
D.Sc./D.Litt.								
Ph.D.	01*					03		04
M.Phil.								
PG						06	03	09
Temporary teachers								
Ph.D.								
M.Phil./NET/SET								
PG								
Part-time teachers								
Ph.D.						02		02
M.Phil.								
PG						02	03	05

\* Principal :Subject: Physics

22. Number of Visiting Faculty /Guest Faculty engaged with the College.  
:01

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

Categories	2012-13		2013-14		2014-2015		2015-2016	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	05	07	13	07	24	11	12	18
ST	03	03	04	02	16	06	12	03
OBC	22	19	44	37	72	38	43	41
General	18	08	33	17	36	27	34	20
Others	-	-	-	-	-	-	-	-

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	✓ 183				
Students from other states of India	-	-	-	-	-
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	183	-	-	-	183

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

B. Sc.= 60.13 %
-----------------

**26. Unit Cost of Education**

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

(a) Including the salary component

(b) Excluding the salary component

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

Yes  No

If yes,

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

Yes  No

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

c) Number of programmes offered

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

Yes  No

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

B.Sc. =1:9.63

**29. Is the college applying for**

Accreditation : Cycle 1  Cycle 2  Cycle 3  Cycle 4

4

Re-Assessment:

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

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

Cycle 1: ..... (dd/mm/yyyy) Accreditation

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

Accreditation Outcome/Result.....

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

Outcome/Result.....

\* *Kindly enclose copy of accreditation certificate(s) and peer team*

*report(s) as an annexure.*

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

32. Number of teaching days during the last academic year  
(Teaching days means days on which lectures were engaged excluding  
the examination days)

33. Date of establishment of Internal Quality Assurance Cell (IQAC)  
IQAC ...05/07/2014...

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

AQAR (i) ..... (dd/mm/yyyy)

AQAR (ii) ..... (dd/mm/yyyy)

AQAR (iii) ..... (dd/mm/yyyy)

AQAR (iv) ..... (dd/mm/yyyy)

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

## D. Criteria - wise Inputs

### CRITERION I: CURRICULAR ASPECTS

#### 1.1 Curriculum Planning and Implementation

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

**Vision:** Start to courses in Botany, Zoology, Geology, and Biochemistry. To start post graduate courses in all branches starting research activity in part as well as applied field. To start constructive activities that is helpful to the society at large

**Mission:** Providing best science education in rural area to meet the scientific challenges and contributing to the scientific research of the country.

**Goals and Objectives –**

- To innovate teaching & learning process.
- To accelerate research among teachers and students.
- To enhance community services through extension activities, such as, N.S.S., workshops and seminars in different areas.
- To establish appropriate infrastructure & Learning resources
- To Nurture healthy practices for stakeholders

In the last five years the college has taken efforts to inculcate vision, Mission and Objectives in the mind of stakeholders. The students are aware of our vision & mission by the display at the entrance of college, library, office, reading room & class rooms.

The Vision & mission are also published in college prospectus, displayed on college website for the information of the students & their parents. The college magazine also publishes the vision and mission of the college. Teachers are familiar with the vision & mission and they, through their regular teaching learning & evaluation process try to implement the same.

**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).**

Effective implementation of the curriculum is taken care of by implementing the following points:

- The teachers prepare annual teaching plan at the end of previous academic year & before going on vacation. This helps teachers to prepare in detail their subjects during the vacation.
- The annual teaching plan is subdivided into months & weeks as per the

requirements of the teaching.

- Syllabi of all subjects are available in the library and each department & provided as per the demand by the students and teachers.
- Syllabi of all Subjects are displayed on the website of the college i.e. **www.mngscience college. ac. in** These are also updated year wise as per the instructions received from SGBA university from time to time.
- Feedback from the students and teachers is taken to effectively implement the annual teaching plan.
- A time table is prepared by the time table committee that takes care of the work load of the teachers, theory, practical and tutorials. Strict adherence to the time table is a key to effective teaching learning process.
- The college conducts regular unit test, assignments, seminars and projects as recommended by the syllabus of each subject.
- Group discussion among students on current issues is held from time to time.
- For imparting moral and value based education to the students the birth anniversaries of national leaders and eminent personalities are celebrated. The guest speakers are invited to speak on the occasion. Sometimes students are encouraged to express their views.
- To enable students to make overall development college organizes interaction with eminent personalities.
- The college conducts various cultural and sports events to give way to the student's creativity.

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

The following facilities are provided by the college to support teachers for effective implementation of the syllabus prescribed by the University:

**Class rooms:** The College has provided with the spacious class rooms equipped with sufficient furniture, fans, lights, podium and green board.

**Teaching aids:** The computer, OHP and LCD projectors are available to the teachers.

**Library:** In order to prepare lectures, the teachers are supported with the library facilities in which text books, reference books, and journals are available. A reading, exclusively for teachers, is also provided.

**Internet facility:** A broad band Wi-Fi facility is available to the teachers.

**Stationary:** Teachers are provided with the stationary assistance that includes files, papers etc.

**Conference / seminar hall:** There is a well equipped hall where conference, seminar and meeting can be held.

**Laboratories:** There are four labs in the college namely, physics, chemistry, electronics and computer. All the laboratories are having sufficient equipment and chemicals.

**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.**

- The Teachers of the institution try to complete the syllabus in the given stipulated time. Some guidelines about number of lectures required to teach particular unit are given in the university syllabus.
- Any deviation from the prescribe number of lecture is taken care of by conducting extra lectures or tutorials.
- The HOD and Principal regularly monitor the effectiveness of the teaching.
- The needs regarding books, equipments chemical etc. are met by the institution as per the budget allocation & some times as per the demand.
- The teacher's diary is a medium of educational planning and execution.

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

- Since the institution is a science college offering the subjects physics, chemistry, mathematics, electronics & computer science, appreciation of the subject, justifying the learning of the subjects and understanding their application is necessary.
- For this purpose the institution organizes interaction of the students with eminent personalities in the subject by way of guest lectures and seminars; visit to industry nearby ; visit to organization where higher education and research are going on; visit to professional organization promoting entrepreneurship
- Our teachers & students visited Mahatma Gandhi Institute of Rural Industrialization ( MGIRI) Wardha.
- Our teachers are in regular contact with University PG departments, & concerned departments of other institutions.

**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.**

Our lecturers Prof. Kapse & Prof. Dr. Lokhande have made suggestions to university BOS regarding difficulty in teaching topics like Thermodynamics. Exam in charge of our college suggested about examination pattern and difficulties occurred in it to Exam. Controller of SGBA University, Amravati.

**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? Yes, give details on the process ( Needs Assessment , design, development and planning) and the courses for which the curriculum has been developed.**

The institution has developed a short term course on computer awareness for the subjects who have not offered computer subjects.

**Remedial Courses -:** On the basis of the performance of previous exams, students are categorized as slow learners & advanced learners. For slow learners remedial coaching is undertaken through additional lectures & tutorials. These Courses are arranged at the end of each semester.

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

Objectives of the curriculum achieved in the courses of implementation are analyzed and ensured through conducting class tests, assignments, and projects at the end of semester.

Performance in practicals in the laboratory has been a way to apply the theoretical knowledge and practice. Student's creativity can be seen through various projects they carry out as the part of their curricula. Student's skills are also improved through laboratory course, project work and seminars.

## 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.**

At present the institution does not offer any certificate diploma courses. However, we have conducted some short term workshop towards skill development of the students, administrative staff and others.

Department	Additional skill oriented programs
Electronics	1. Four Days workshop on Basic Electronics and circuit Design. 2. Four Days workshop on Basic Electronics and

	circuit Design. 3. Two Days workshop on Advance Electronics.
Chemistry	1. Soil Testing. 2. Water analysis. 3. Food adulteration. 4. Workshop on Eco friendly paper conversion and self employment.
Computer Science	1. Skill development programme
Office	1. Roster training programme.
Mathematics	1. University level students seminar on Calculus
Physics	1. Workshop on Solar Energy. 2. National workshop on Experiments in Physics. 3. Workshop on recent trends in Biomaterials and Biomechanics.

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

The College does not offer twinning and dual degree programs.

**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.**

**1) Core elective options:**

In SGBAU the curriculum has equal weightage to all the subjects.

The Student has to choose a group of three subjects out of the number of subject available with the institution. Our college offers five subjects which are: Physics, chemistry, mathematics, Electronics & Computer Science.

Student has option to choose any one of the following groups:

- Physics, Chemistry, Mathematics.
- Physics, Electronics, Computer Science.
- Chemistry, Electronics, Computer Science.
- Physics, Mathematics, computer Science.
- Physics, Mathematics, Electronics.

The Elective Papers are available in mathematics in the third year. The electives are: 1.Graph Theory, 2. Special Theory of Relativity 3. Mathematical Modeling.

**2) Choice Base credit system and range of subject options:**

There is no choice base credit system at UG level

**3) Courses offer in modular form: Nil.**

**4) Credit transfer and accumulation facility: Nil.**



**5) Lateral and vertical mobility within and across programmes and courses:**

The Lateral mobility is available to the students in the choice of courses at B.Sc. 1<sup>st</sup> Level as above. Regarding vertical mobility the students may opt for PG any one subject they have offered at B.Sc

**6) Enrichment courses:** Nil.

**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 programmed and the beneficiaries.**

Yes, as mention in 1.2.1 the college has conducted skill oriented programmes for the students and staff.

**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?**

Nil

### **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. The institution supplements the co-curricular activities like Conducting of Seminar, Projects, Science Quiz, Group Discussions, Study Tours, Industrial Visits, and Interaction with subject expert.etc. This helps not only in the understanding the curriculum in better way but Also to integrate the objectives of the institute with academic programme. The objectives like to impart quality based education in science for rural based Society, to develop scientific approach utilization of acquired knowledge etc. are integrated with the academic Programme.

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

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

### 1.3.3 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?

**Gender:** The Institution has adapted the co-education system so that equal opportunity is provided for both the Genders. Adequate facilities such as toilet, common room etc is provided for boys and girls as well as ladies and gents staff.

**Climate change & Environmental education:** Environmental Studies is compulsory subject at B.Sc.2<sup>nd</sup> level apart from theory classes the visit such as visit to a forest , visit to a river , visit to polluted city are arranged .The student are involve in making the college campus cleaning and eco friendly for which tree plantation and rain water harvesting are organized.

**Human Rights:** Gender Indiscrimination through co-education in the part of human right which has been adapted by our institution.

**ICT -:** Information communication technology has becomes a key to gain the knowledge and deliver the same, the institution use of ICT by providing faculties use of internet computerization in office etc. For dismasting knowledge game use of LCD projector is made for the benefit of student, the guest lecturer make use of the ICT effectually.

**Anti ragging committee:** To protect girls and boys from the harmful activities form the senior, anti ragging committee have been formed. The anti ragging committee having following members.

Name	Position	Designation
Dr. A. P. Deshpande	Chairman	(Principal)
Mr. O. K. Kapse	Member	Head of the Chem. Dept.
Dr. M. N. Lokhande	Member	Assistant Professor
Dr. S. S. Battalwar	Member	(D.P.E. ) N.S.S. Program Officer

Mr.Jakhir Khan	Local Journalist	Journalist
Mr. S. S. Thawale	Clerk	Junior Clerk
Mr. Ganesh Jakhare	Student`s Parents Representative	Farmer
Miss. Monali Deshmukh	Student Representative	Student Fresher
Mr. Shankar Thapa	Student Representative	Student Senior

The skill oriented programmes conducted by institution help the students to improve their performance.

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

**Moral and ethical values:** The institution celebrates birth and death anniversaries of national personalities like Gandhi Jayanti, Lal Bahadur Shashtri Jayanti, Tilak Punyithi. Teachers Day, Swami Vivekananda Jayanti Dr. Babasaheb Ambedkar Mahaparinirvan Din, and many more are observed in the college. The Objective of observing such anniversary is to put before these students their thoughts and their work to boost the morale of student.

Some Lectures are arranged form enhancing the ethical valued of the students. The college has organized Yoga Camp for students and Staff under enhancement of moral ethical value programs.

**Employable and life skills:** The College organized four day workshop on “Basic Electronics and Circuit Design” 78 students from our institution and other institution participated in the work shop activities. On the last day an exhibition of the gadgets fabricated by them was arranged which was highly appreciated by guests and visitors.

A workshop on personality development was conducted for student and staff by the principal. The workshop covered topics like goal setting, effective communication, human relation, assertiveness and self esteem.

**Better career options:** The career guidance program was organized by the college for students giving them a detail idea above career options before them after graduation in science.

Various other institutions visit the college for giving information above career opportunity in their institution.

**Community orientation:** The N.S.S. program helps students to serve the community apart from N.S.S. activities. The college has organized AIDS awareness, RTI (Right to Information) programmes, legal awareness program and voting awareness program.

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

Since the institution is newly established still last year there was no mechanism of direct feedback from the stakeholders. However, the suggestions from students, staff, and parents were uncorrupted to run the college. From the academic session 2014-2015 the college is adopting the feedback system from students.

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

The quality of enrichment programs is continuously program monitored and evaluated by IQAC, Principal, management and the students.

## **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 quality of enrichment programs is continuously program monitored and evaluated by IQAC, Principal, management and the students.

### **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?**

Since the institution is newly established still last year there was no mechanism of direct feedback from the stakeholders. However, the suggestions from students, staff, and parents were uncorrupted to run the college. From the academic session 2014-2015 the college is adopting the feedback system from students.

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

Since the college is new, the new program courses are not introduced by the college during last four years. This year, we have proposed some new courses to meet the requirements of the student to enhance their employability.

## 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?

Publicity of the college for admission is done through the following ways:

**Prospectus :** Updated self explanatory prospectus providing information related to the eligibility for admission, available courses in the institute, fee structure, instructions to enroll students , rules for discipline, scholarship, infrastructure etc. along with the application form are given to the students at the nominal cost.

**Institutional website:** The website of institution is [www.mngsciencecollege.ac.in](http://www.mngsciencecollege.ac.in). On website, detailed information about infrastructure, available academic programmes, departmental profile, staff profile of the college and scholarship details, academic calendar, admission notice etc. are displayed.

**Display Board-:** Comprehensive notice is displayed on the display board by which desirous student is informed about the admission process.

**Banner:** Banner on main squares of the town is placed so that students and their parents should know the program of admission.

**Pamphlets-:** Pamphlets are circulated in the town and nearby villages.

**Transparency:** The institution strictly follows the reservation policy of the state government with a view to extend higher education to the society and economically disadvantaged students. The institution ensures transparency in the admission process as follows:

The college has admission committee that takes care of the admission process by following the rules by the University and Government. List of enrolled students is also displayed on the notice board. The prospectus provides well defined information and rules and regulations.

#### 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.

There are only four junior colleges occurring science in Babhulgaon Taluka. The passed students from these junior colleges join various courses elsewhere hence a few no. of students are available for admission to B.Sc. course. The question of conducting and admission test not arrives in this case. Therefore, we are restricted to give admission on the “First come first served”.

The received application is scrutinized by the admission committee. The admission committee of staff members guides the students regarding the selection of the subjects and filling the application forms.

**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.**

Courses	B.Sc.	
	Minimum % of Marks	Maximum % of Marks
2015-2016	39 %	80%
2014-2015	38.5%	81.54%
2013-2014	38.50%	65.83%
2012-2013	39.33%	76%
2011-2012	37.33%	71.67%

Colleges	Minimum % of Marks	Maximum % of Marks
Indira Mahavidyalaya, Kalamb	40%	54%
Indira Gandhi Mahavidyalaya, Ralegaon	38%	57%
Shivshakti Arts & Commerce College, Babhulgaon	36%	47%

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

The Institution has a mechanism to review the admission process and student profile annually. Through scrutinizing of application forms by admission committee, the following information about the students is obtained.

- Gender representation.
- Cast and category wise students i.e. necessary for scholarship.
- Economic status of the students.
- Academic background.
- Participation of the students in Curricular/ extracurricular activities.

Level of disability if any:

Counseling of the students by the admission committee members helps a understanding, the liking of the students in various activities so that can be selected accordingly.

The attitude of the students is also discovered through counseling so that they are positively motivated. This review results in making students develop their own skills and becomes asset of institution.

**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 is run on co-educations basis giving equal opportunity to boys and girls. The admission to SC, ST, VJNT, OBC, and PH category is given according reservation policy of the state government.

To promote education to this weaker section of the community they are provided with scholarship and concession as per the government norms. However, number of students is rejected in admission for short of money, they are provided concession in fees so that no students are rejected in admission for short of money by the institution.

Category	Year				
	2011-12	2012-13	2013-14	2014-15	2015-16
SC/ST	29	16	26	48	42
OBC	82	40	82	114	90
Women	45	39	62	82	84
Differently abled	00	00	00	00	00
Economically weaker section	05	10	10	10	10
Minority Community	00	00	00	00	00
Any Other(open)	23	15	17	12	51

**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.**

Programmes		Number of applications	Number of students admitted	Demand Ratio
<b>UG</b>	2015-16	92	92	
	2014-15	115	115	
<b>B.Sc. I</b>	2013-14	85	85	
	2012-13	50	50	
	2011-12	67	67	
	2015-16	60	60	
<b>B.Sc. II</b>	2014-15	78	78	

	2013-14	51	51	
	2012-13	30	30	
	2011-12	71	71	
<b>B.Sc. III</b>	2015-16	31	31	
	2014-15	37	37	
	2013-14	21	21	
	2012-13	05	05	
	2011-12	23	23	

## **2.2 Catering to Student Diversity**

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

The college strictly follows the norms directed by government of Maharashtra regarding differently-abled students. The ramp has been provided to the students who are differently-abled.

### **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.**

Through counseling during the admission process the assessment of students' need internal of their knowledge and skills is carried out. The mark list of the students provides further information as to whether they are slow learners and advanced learners. Proper planning is done to cater to needs of slow learners as well as advanced learners.

### **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?**

- For slow learners additional lectures are conducted to bridge the gap.
- For advanced learners extra books are provided to them from the library.
- The teachers are available to both types of learners for solving their difficulties.
- The faculty takes Unit test, Seminar, G.D. to enrich the knowledge of students.

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



- The college runs a co-education system hence there is no gender discrimination. No students are deprived of participating in any activities based on their gender.
- The Various programmes conducted by the college on gender indiscrimination female feticide, women empowerment etc. during cultural programs and observation of special days like Savitribai Phule Jayanti etc.
- Environmental studies is a compulsory subject at B.Sc. II year as per the UGC direction as per the syllabus of environment studies the students have to visit forest, water body, visit to a polluted site etc. The sensitive issues of the environment have been handling in this way.

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

After identifying advanced learners during the admission counseling process, such students are provided with additional books from the library. The teachers are available to both types of learners for solving their difficulties. The faculty takes Unit test, Seminar, Group discussion to enrich the knowledge of students.

### **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)?**

In the case of students with poor performance, their parents are informed and the students are heard about their reason for their poor performance. The concerned teacher and principal try to solve their difficulties whether academic or other and motivate them to improve their performance and continuous education. One of the reasons of drop out is the marriage of girl students during the course of studies. The girl students and their parents are advised to continue their studies.

## **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.)**

**Academic Calendar:** The Academic Calendar is prepared that includes the no. of working days, effecting teaching days, holidays ,vacations and schedule of the other activities .

**Teaching plan:** The College has prepared the teachers diary in which the academic calendar teaching plan and weekly execution of the teaching plan are included. Each teacher is given their personal time table and accordingly they plan their teaching plan.

**Evaluation blueprint:** The academic diary of every teacher includes the blue print of evaluation that is the number of unit test to be conducted and the number of sectional to be conducted as per the guideline of university. The record of the entire test is properly maintained. The result of the test is displayed time to time. The slow learners are identified through this test.

**Curriculum Information:** The copy of the syllabi is available to the students in the library. The copies are also available in respective department also. Every idea about the courses contained is given by concerned teachers during the first two lectures.

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

- The IQAC reviews academic calendar and the academic planning of the teachers based upon the feedback /suggestion from teacher, students and parents from time to time. The direction for improvement/change is given to the concerned by the IQAC.
- In order to keep the teachers updated with knowledge the IQAC motivates them to attend seminars, conference, Workshop etc.
- The IQAC has made the provision to give incentive to teachers during excellent work.

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

- The college provides a well stocked library that enhances their knowledge.
- The College also encourages the staff & students use internet facilities & computers to keep them abreast of the latest development in their respective field of study.
- Use LCD projector by faculty member for power point presentation.

#### **Interactive learning includes:**

- Group discussion
- Seminar
- Home assignment
- Project work
- Collaborative learning
- Guest lecture: Every subject teacher conducts at least one guest lecturer in a year

- Visit to industry, lab field work and study tour.

#### **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?**

- Every department of science streams has established departmental association through which various activities are run which are helpful to nurture critical thinking, creativity & Scientific temper among the students.
- To sharpen the critical thinking among students various group discussion, debates, seminar are organized in which students explore new ideas & also get a chance to listen to the experiment .views of eminent professionals.
- Our chemistry department visited to Wardha in MGIRI, VMV Amravati.
- To develop the scientific temper among the students, the college is going to start project work for 2<sup>nd</sup> yr & 3<sup>rd</sup> Year student which is also part of curriculum.

#### **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.**

- For effective teaching the following facilities are provided to teaching faculty.
- Lecture method supplemented with teaching aids e.g. charts, maps, PPT etc.
- Students of all the streams use PPT for seminar presentation.
- Computer related syllabus is taught on computers only by using computers in LAN available in library and computer department.
- Practical demonstration of experiments in respective syllabus, using various teaching aids and instruments.
- Group discussion methods are followed for all the classes.
- Tutorials are conducted in English, Mathematics and Physics as a part of curriculum.
- Educational CD-ROM is displayed through LCD and computers in LAN.
- Home assignments, projects, MCQ which are based on curriculum are distributed to the students.
- The use of modern multi-media teaching aids like OHP, multimedia projectors, internet enabled computer systems are employed in class room instructions as well as other student learning experiences.

### 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 faculty of the college is exposed to advanced knowledge and skills through. Attending workshops, conferences and seminars. Visit to industry, research institutes and university departments. Attending expert's lecturers. The students are encouraged to participate in student seminar activity, poster presentation and attending guest lecturers. The journals on various subjects are available for the reference of faculty and students.

### 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?

Given below is detail on the academic personal & psychosocial support and guidance services provided to student.

- 1. Academic Support:** Study material is provided to the student as required question paper sets of previous university examination are available to the student in the library. The students are encouraged to solve these papers which are evaluated by teachers and they are guided accordingly.
- 2. Personal support:** The faculty gives moral support to the students and boosts them to participate in various activities. The management of the college has made provision to financially support the neediest students
- 3. Psychosocial support:** The anti ragging committee takes care to maintain a healthy and good atmosphere in the college campus. The students are given inputs of Yoga and meditation.
- 4. Guidance services:** Career guidance is provided to the students regarding opportunities in higher education and jobs. Workshop on soft skill development is organized from time to time.
- 5. Professional counseling:** The professionals from different organization visit to the college guiding the students about the professional world.
- 6. Mentoring:** The teachers of the college act as the mentors helping students on all fronts. Academic advise is provided during career guidance.

Sr. No.	Activity	Academic year	No. of Beneficiaries
1	Student welfare programme	2013-2014	183
2	Guest lectures	2012-2013	112
3	Career guidance	2011-2012	148
4	Personality development	2010-2011	153

### 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?**

- Use of flow chart, models, demonstration etc. in the teaching learning process.
- Seminars and poster presentation for the students.
- The institution always support and encourages faculty members for their innovative idea regarding teaching method. Appropriate training for operating LCD and power point presentation

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

- The college library is enriched with adequate textbooks, reference books, scientific national and international journals, magazines etc.
- The Journals are used by the faculty members for the research work
- Current scientific events are displayed on notice board for the students and teachers.

### **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.**

- Although the teaching plan is prepared by the faculty members as per the syllabus, it is not possible to complete the curriculum as prescribed by the university syllabus this challenging situations occurs because of:
  - The Local festivals
  - The slow learners
  - Uneven distributions of topics in the syllabus
  - The Challenges are tried to overcome by engaging extra classes, use of AV-aids for faster teaching.

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

- The academic diary of the teachers has been so design to include planning of the syllabus.
- The diary is checked by the HOD and principal of the college to evaluate the quality of the teaching learning process. Improvements are suggested wherever necessary.
- Proper record of class test. Assignment and unit test is maintained and the result of the test is displayed on notice board. In some cases the parents are called to discuss about result of their wards.

## 2.4 Teacher Quality

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

The posts of the teachers according to the workload of the respective subjects are sanctioned by the government of Maharashtra through J.D. Higher education, Amravati. The approval to the advertisement is sought from the university and the advertisement is given through the regional and national news paper for requirement of the teacher in respective subjects. A selection committee is appointed by the college as per the panel of selector by the university. Conduct the interview of candidate applying for the post a proper candidate fulfilling the norms of the selection. After joining the candidate for the post his approval is taken by the university. Thinking of extra workload, the institute appoints teachers on temporary/Ad-hoc/CHB basis by giving advertisement in the news paper there approval is taken from the university.

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.							
PG					06	03	09
Temporary teachers							
Ph.D.							
M.Phil./NET/SET							
PG							
Part-time teachers							
Ph.D.					02		02
M.Phil.							
PG					02	03	05

**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.**

No such courses are introduced in the institute.

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

a) Nomination to staff development programmes.

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	Nil
HRD programmes	Nil
Orientation programmes	01
Staff training conducted by the university	Nil
Staff training conducted by other institutions	Nil
Summer / winter schools, workshops, etc.	Nil

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

b) **Percentage of faculty**

**Invited as resource persons in workshops / seminars / conferences organized by external professional agencies:**

Our teacher invited as a resource fellow in “Maharashtra Rajya Gramin Givanyoti Abhiyan, Umed”

- 1) Prof. O. K. Kapse
- 2) Dr. M. N. Lokhande

3) Dr. S.S. Battalwar

**At workshop as resource person:**

- One day workshop on effective research methodology state level at Dr. Babasaheb Nandurkar College of Physical education Yavatmal by Dr.A.P. Deshpande.
- One day workshop on personality development state level at Dr. Babasaheb Nandurkar College, Dec.2014.

**participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies**

The percentage of the teachers presenting paper in national conference is 100%

**Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies”:**

The teachers presented papers in conference.

**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 has made provision to great duty leaves for participation in national/international/state level/university level / conferences / seminars/workshops.
- The college encourages research to participate in the above mention conferences/seminars/workshops by providing the teachers registration fees and TA/DA as per the needs.

**The college provides :**

**Infrastructure :** laboratory ,computers, chemical, equipments etc.

**Library facility :**research journals periodicals and reference books.

**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. Nil**

**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 college has adopted feedback system of evaluation of teachers by the students.

**2.5 Evaluation Process and Reforms**



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

- The Stakeholders of the institution especially students and faculty members and even the parents of the students are informed about evaluation process by giving general instructions mentioned in the prospectus of the institution.
- The scheme of evaluation is included in the college prospectus which is given to the students at the time of admission.
- The faculty is informed about the evaluation scheme and processes during the staff and department meeting and teachers' training.
- University circulars in hard and soft form about evaluation processes are made available to the principals, HODs and staff members and communicated to the students.
- The HODs share the information further in the meetings of departments.
- The nature of the new syllabus and the exam system is thoroughly discussed by the faculty in classroom.
- The college has adopted a Semester Pattern for the science stream as per the university norms. The evaluation is done by the process of internal assessment, practical examination and final examination by the parent university.

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

- The college is affiliated with S.G.B. Amravati University. The university has initiated various evaluation reforms viz. The parent university has the evaluation reforms in the following ways and the same is accepted by the institute.
- Fair marking and evaluation is done purely by coding the answer papers before evaluation.
- Evaluation of answer papers is done by the central evaluation system of the parent university.
- After evaluation, the answer papers are decoded tabulated and finally results are declared. Faculty members also try new innovations in their teaching skill to make evaluation more interesting and beneficial for 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?**

- The college has adopted various university reforms concerning evaluation. A semester pattern for the science stream as per the university norms is accepted by the college. The evaluation is done by the process of internal assessment, practical examination and final examination by the parent university. The evaluation is made more intense by conducting 2 unit test and one practical test.
- The college ensures the transparency of evaluation process by the effective implementation of the above process.

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

**Formative Evaluation:**

- Unit tests, Seminars, Basic knowledge test are taken in the college.
- Home Assignment is given to science students
- Quiz competition is conducted to evaluate the caliber of the student.
- Extra classes taken for slow learners.
- Advanced learners are given additional study materials.

**Summative Evaluation:**

If some students don't perform well or clear the eligibility condition, then an extra chance is given to the student for his/her evaluation. All faculty members follow the formative approach to measure student's achievements and performance through 1) group discussion 2) class test 3) verbal test 4) assignments.

**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**

Academic Year	Programmed	% of result
2014- 2015	B.sc. III	82.85
2013-2014	B.sc. III	77.43
2012-2013	B.sc. III	80.00

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

The pattern of internal assessment as per APPENDEX-G of the SGBA University is adopted by each college.

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

At the university level there is a grievance redressal committee where the students can approach for their grievances. The general grievances are settled at the college level.

## **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?**

Learning outcome assessment is a process of collecting information that will tell an organization whether the services, activities or experiences it offers are having the desired impact on those who part take them. Students seeking admission in the college in the entry year are not normally ignorant about a number of topics since they belong to rural area. But having sought admission in the college they upgrade their knowledge and develop some good skills. Names of student are mentioned in the prospectus of the college who score good percentage in order to give them encouragement and other should draw the inspiration from. Students are made morally strong through NSS and cultural activity. Similarly sport department create the spirit of sports among the students. The college also honors students on the national festival who bring laurels to the college in sports, cultural, NSS activities and in seminar and sport presentation at different places. The college conducts college level seminar competition of every subject and those who perform best are honored. The college conducts parents meet every year through which outcome of the college are communicated to stock holders .Through the general meeting and the review meeting of the staff the outcomes are conveyed.

### **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.**

Level	Academic Year	Percentages of result
B.sc – 3 <sup>rd</sup> Year	2014-15	82.85
B.sc – 3 <sup>rd</sup> Year	2013-14	77.43
B.sc – 3 <sup>rd</sup> Year	2012-13	80.00

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

Teaching learning process is student centered and object oriented. In order to archive learning objectives the strategy is adopted as follows:

**Academic activities:** The interactive methods of teaching are employed by the teacher. The teaching is supported by practical demonstrations, laboratory work, Project work, seminars and assignments.

**Extra Curricular activities:** The extracurricular activities such as participation in various computations, excursion, visit to industry, visit for environmental studies etc. are organized.

**Extension Activities:** Activities of NSS, different awareness camps etc are organized towards the extension activities.

### **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 B.Sc. programs offered by the university are self innovative. In order to develop the research attitude among students the project work has been included in the curriculum. The career guidance cell organizes various skill oriented and personality development programs that are fully used for the students to seek jobs.

### **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 Subject wise data of student's performance is analyzed and the problems in the teaching learning process are identified. These problems are discussed in staff council meeting and solution to the problem are found out and included in planning and executions.

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

The University result is analyzed in different ways. Semester wise, subject wise and paper wise result is analyzed in the departmental and staff meeting. It is 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 considers the evaluation outcome as an indicator for evaluating student performance, achievements of learning objectives and planning. The students are classified as slow and advanced learners. The teaching plan is prepared accordingly. Conducting extra classes for the slow learners and providing additional facilities for the advanced learners are some of the steps taken by the institution.

### **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?**

The college does not have any university approved research center or any other agency center/organization.

**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.**

Research committee:

Principal –Dr. A. P. Deshpande-Chairman

Faculty: Dr. S. S. Battalwar , Dr.M.N.Lokhande

The Research Committee not only monitors but also motivates faculty to undertake research activities on different topics of interest.

#### **Recommendations of the committee:**

- Strengthening research motivation among faculty.
- Establishing Laboratories with basic research facilities.
- Inspire Student to undertake practical research projects than theoretical.
- Permission and Guidance to attend conferences, workshops and seminars.
- Motivating the faculty to register for Ph.D.

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

**Autonomy to the principal investigator:**

The faculty is given full freedom for their research without any impediments. Facilities are offered to the research scholars like laboratory, furniture and computers with internet.

**Timely availability or release of resources:** The research committee assures timely availability or release of resources as per need.

**Adequate infrastructure and human resources:** The researchers will be provided with laboratory space for research and journals, computers printers with internet.

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

Whenever the faculty wants to present research papers, attend seminars and attend workshops the institution may provide permission on request.

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

Provide basic chemical and instrument

Provide adequate infrastructure.

Provide research journal for latest information.

**Any others:**

For smooth progress following measures are taken by institution:

Providing duty leave for faculty to attend conferences and seminars

Providing administrative support to the faculty.

Permission for faculty to register for Ph.D.

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

Student seminars, Poster presentation, Project work, Participation in AVISHKAR are some of the major steps taken by the institution to promote scientific temper among students.

### 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.

Faculty involved in active research program is as follows.

Department	Faculty	Working Area
Physics	Dr.A.P. Deshpande	X-ray spectroscopy and soil physics.
Director of Physical Education	Dr. S. S. Battalwar	Yogic education in Maharashtra and physical education.
Chemistry	Dr. M. N. Lokhande	Asymmetric synthesis and cardiovascular drugs synthesis, Heterocyclic compound synthesis.
Chemistry	Mr. O. K. Kapse	Registered for Ph.D., Research on

		Heterocyclic Compounds.
Electronics	Mr.Sandeep Rathod	
Physics	Mr. Pursing B. Rathod	Preparation of thin and thick film, gas sensors, Photovoltaic cell and conducting polymer.

**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.**

Sr. No.	Year	Topic	Place	Number of Participants	Level
1	2014	Five Day workshop on Basic Electronics and Circuit Design.	MNG Science college Babhulgaon	76	Amravati Division
2	2014	Soil Testing workshop for farmers by chemistry (one month and continued.)	MNG Science college Babhulgaon	200	District
3	2015	Poster presentation	MNG Science college Babhulgaon	80	College
4	2015	A Seminar on Calculus	MNG Science college Babhulgaon	110	University
5	2015	A workshop on eco-friendly paper conversion for self employment	MNG Science college Babhulgaon	40	College
6	2015	National Workshop on "Experiments in Physics"	MNG Science college Babhulgaon	45	National
7	2015	Three Day workshop on basic electronics and circuit design.	MNG Science college Babhulgaon	45	Amravati Division
8	2015	Two Day workshop on Advanced electronics and circuit design.	MNG Science college Babhulgaon	22	Amravati Division
9	2015	A workshop on solar Energy	MNG Science college Babhulgaon	45	District
10	2015	A workshop on Mathematics for teacher	MNG Science college Babhulgaon	140	District
11	2016	Poster presentation	MNG Science college Babhulgaon	80	College

12	2016	Workshop on Recent Trends in Biomaterials and Biomechanics	Dr. Babasaheb Nandurkar College of Engineering and Technology, Yavatmal	85	Regional
13	2016	Water Analysis	MNG Science college Babhulgaon	25	College
14	2016	Food Adulteration	MNG Science college Babhulgaon	20	College
15	2015 - 2016	Maharashtra Rajya Gramin Jivonyti Abhiyan "Umed"	MNG Science college Babhulgaon and Collaboration with Panchyat Samiti Babhulgaon	400	Taluka Level

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

Sr. No	Name	Department	Prioritized Research Areas
1	Dr. A. P. Deshpande	Physics	X-ray spectroscopy and soil physics.
2	Dr. S. S. Battalwar	D. of Physical education.	Yogic Education
3	Dr. M.N. Lokhande	Chemistry	Asymmetric synthesis and cardiovascular drugs synthesis, Heterocyclic Compound

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

- Dr. Ravi Varma HOD Biomedical Engineering from Bhausaheb Nandurkar engineering college, Yavatmal was invited to give a lecture on applications of electronics in biomedical engineering.
- Prof. Dr. Gandole Principal Adarsh Mahavidyalaya, Dhamangaon, also Chairman of Board of Studies in Electronics of SGBAU shared his knowledge on electronic circuits with the students.
- Er. Mahesh Bhahute of PPTS conducted the training and workshop programme on Electronic circuit.



- Dr. A.P. Deshpande was invited by physics department to deliver a lecture on Quantum Mechanics in Dec-2013.
- Dr. Subhash Samanta from Kolkata, Dr.R.M. Dharkar from Pune, Dr. Shirish Pathare from TIFR, Mumbai, Dr. Rekha Ghorpade from Mumbai University are invited for the National Workshop on Experiments in Physics as the resource persons.
- Prof. Anil Durge was invited as a Chief Guest for poster competition and lecture on Electrochemistry.

**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 research committee has made a provision to sanction sabbatical leave if granted to the staff member by the granting authority. None of the staff member so far has availed of this leave.

**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).**

- Department of electronics has developed method such as optical detector stick, soil moisture detector, black line follower detector, door alarm detector.
- Department of chemistry has organized and analyzed about more than 200 samples of soil and handed over report to farmers.
- A workshop on eco-friendly paper conversion of self employment for students.
- Food adulteration and water analysis was demonstrated in front of student.

**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.**

There is no such budgetary provision made to date for students and staff for undertaking research work in our institution. But whenever faculty participated in any conference, workshop and seminar the reimbursement of registration fee and travel expenses are allotted.

**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?**

Whenever faculty participated in any conference, workshop and seminar the reimbursement of registration fee and travel expenses are allotted.

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

There is no such financial provision available in the college to support student for research project. The research committee has made a provision to encourage student to do research project for which the institution may contribute some amount.

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

The soil testing conducted is a very good example of interdisciplinary research activity in which apart from chemistry physics and agriculture are also involved.

**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 Institution ensures optimal use of various equipment and research facilities for staff as well as student for daily practicals and projects. The facilities of each department are shared by the other departments as well.

The advanced SD/SDHC/SDXCL/ MMC plus /MSI / MSPRO facility containing branded Lenovo Computers is available with the Computer lab with necessary Software .All the departments make use of this facility.

The broadband internet connection is useful for searching journals and on different topics. In library, according to subject journals, reference books, text books, news papers, computer with internet facility, reading room are present for the use of students and teachers.

The workshop facility available with the Electronics department is used by the physics, chemistry departments and sometimes office also.

**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. No.**

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

### **3.3 Infrastructure for Research**

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

The research facility within the campus included well equipped laboratory with necessary instrumentation, chemicals, extra space within the laboratory for research activity, water facility, electricity and research journals, reference books, text books, internet facility, basic chemicals, with technical support. The necessary guidance made available to the student and research staff.

#### **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?**

To develop research aptitude among staff and students, college has planning to provide new equipment and necessary facility. The college is planning to undertake major research activity on the analysis of physical and chemical properties of soil. It is also proposed to carry out research in the area of ultrasonic velocity measurement of different binary, ternary and multinary liquid mixtures.

#### **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. Nil**

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

The teachers from other institution have visited our college to get details of our soil testing activity and conducting the soil test. The Mahatma Gandhi Institute of Rural Industrialization, Wardha has agreed to provide analysis of the samples with the analytical instrument available in laboratory such as HPLC, UV, IR-spectrophotometer, atomic absorption spectrometer etc.

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

The INFLIBNET has been procured for the library to get an access to the e-books and e-journals.

**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.**

**Laboratory:** College has adequate infrastructure facility and research programme allowed to utilize everyone including faculty, student from any college. Recently Dr. Waghmare, Dr. Pavde visited chemistry department and learned about soil testing procedure. Electronic department organized collaborative workshop with PPTS, LTD.

### **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, Research studies or surveys benefiting the community or improving the services:**  
Nil

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

**3.4.3 Give details of publications by the faculty and students:**

• State Level	-	17
• National Level	-	29
• International Level	-	32
• Total	-	78

**3.4.4 Provide details (if any) of  
\*research awards received by the faculty**

- Dr. Mahendra N. Lokhande received “**Best Poster Award**” in National Level Conference on Sustainable Chemistry, held at Brijlal Biyani Science College, Amravati 30-31 January 2015.
- Dr. Mahendra N. Lokhande received “**Best Poster Award**” in National Level Conference on held at Sant Gadge Baba Amravati University, Amravati 29-30 February 2016.
- Dr. Mahendra N. Lokhande received “**Excellence in research**” Award by Matoshri Nanibai Gharphalkar Science College-2014

**\*recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally.**

- Principal Dr. A. P. Deshpande has been nominated as member of the International Conference committee by the World Academy of Science Engineering and Technology for the following topics: 1. International Conference on Radioactivity and Radiation Protection. 2. International Conference on X-ray and Neutron Optics. 3. International Conference on Radionuclide Metrology, being held at various places in the world.
- Prof.O.K. Kapse “**Excellence in Teaching**” Award by Matoshri Nanibai Gharphalkar Science College-2014 and “Bhumiputra Gavrao Award” has been received in Karla by Jai Hanuman Vicharmanch Karla.
- Dr. S.S. Battalwar “**Excellence in N.S.S.**” Award by Matoshri Nanibai Gharphalkar Science College-2014 and felicitated by **Vishesh Puraskar** By Maharashtra Government in 2014 in Disaster management.
- Mr.S.M. Bire, Mr. P.Gaikwad, Dr. Sachin Mankar, Mr. Sagar Gole, Mr.Gajanan Gawande, Mr.Chandrashekhar Landge has received excellence award in their respective field.

**\*Incentives given to faculty for receiving state, national and international recognitions for research contributions.** Nil

### **3.5 Consultancy**

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

- The college has signed MOU with two industries: 1.Amba Agrotech and Herbal Pvt.Ltd. Yavatmal. 2. Ravi Raj Plastics Yavatmal.
- Product analysis and suggestions for improvement are the ways of consultancy offered by the college to these industries
- The industrial visits provide a good platform for staff to interact with the industries. Hence Industrial visits are arranged.

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

The institution policy propagates through alumni, parents meeting, press and visiting people among expertise in specialized subject. The newspaper and internet facility is useful to promote consultancy.

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

Institution has provided the duty leave to visit number of places such as conferences research institute, industry to check available facility required for students and staff.

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

No revenue has been generated from the consultancy. Major consultancy services provided by the institution are as follows-

Departments	Faculty	Consultancy Service	Area
Chemistry	Dr.A.P.Deshpande Dr.M.N.Lokhande Mr. O.K.Kapse	Soil and water analysis, Polymer synthesis	Local
Physical Education	Dr.S.S.Battalwar	Yogic education	Local
Electronics	Dr.A.P.Deshpande Prof.Sandip Rathod	Electronic Circuit Designs	Local

### 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? Nil

## 3.6 Institutional Social Responsibility (ISR) and Extension Activities

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

The college creates an atmosphere for girls to generate feeling fearless among them. Students are engaged themselves creating good atmosphere in campus. The social activity such as blood donation, cleaning campus, planting tree, HIV-AIDS rally, conducting various programs such as Gandhi Jayanti, Ambedkar Jyanti, right to information act awareness, actively participate as a volunteer in workshop and seminar programme, celebrating independence day, Republic day involvement in these activity surly build a good citizen of India. Bachelor of Science second year student studying on “Environmental Studies” visited river finding water pollution reasons. Student visited a Kholaphuri Bandhara to see water holding capacity of it. Every year the student elected a group leader for to represent in university this platform acquired leadership qualities inside student.

The college is conducting soil testing, programme for farmers to increase and maintain productivity of soil. As Yavatmal district has low nutrient quality of soil which causes loss productivity this activity help those

to make precision about maintain fertility of soil. College also provides information and analysis of Water and food adulteration. The Electronics department organized workshops on “Basic electronic and Circuit design” which has benefited a number of college students from home institute as well as other colleges ,such as, Sant Gadge Baba Amravati University, Amravati electronics department, Chandur Railway and Dhamangaon.

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

Cultural and social programme encourage students to become more dutiful and responsible. The NSS division has provided a good platform for student and staff to participate in social as well as cultural activities.

Student Board supported them to explore and share their thoughts and information and expression.

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

**Students** Suggestion box is made available so that their suggestions and grievances can be considered. Student has free approach to the principal during working hours without prior appointment.

**Management:** The activities carried out by the college are in furtherance of the mission and goals of the management

**Parents:** Parent forum has been formed and their meeting and suggestion are consider for developing in the college

**Staff:** The regular meetings of the college council have been conducted for regulating various activities.

**Alumina:** The performance and quality of the institution has been solicited by alumni meeting,

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

The following programmes have been organized by the College during the last few years:

- Leprosy Awareness Program.
- Soil Analysis.
- Industrial Visit for students.
- Swami Vivekananda Essay Competition.
- River Visit for student.

- Student Tour to “Bapu Kuti” museum of Mahatma Gandhi at Wardha.
- National Science Day-Poster Presentation.
- Electronics Workshop-Basic Electronic and circuit Design.
- Swacha Bharat Abhiyan.
- A workshop on eco-friendly paper conversion for self employment
- Personality Development Programme.
- Mathematics Department: University level Seminar on Calculus.
- N.S.S. Camp at Naigaon.
- Environmental Day Celebration.
- National Yoga day.
- Books Exhibition.
- Student Board Organization.
- Inauguration of society of all subjects.
- In collaboration with Panchyat Samiti, Babhulgaon “Child and Women” literacy development training programme and “Bachat Gat” training programme.
- Right to Information Awareness programme.
- Parent Meeting.
- Water Harvesting.
- In Sakal Edu. Festival college had poster for presenting college information.
- “Bindu Namavali (Roster)” Workshop of Amravati Division.
- Water Analysis.
- Food Adulteration.
- Light Sensor detection for taluka people in rainy days.
- Volunteer in Pulse Polio mission.
- Workshop on solar energy.

**3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies? University / other College Level Camps / activities Attended:**

**NSS:** The students and staff of the college actively participate in NSS programme. The activities carried out under the NSS programme through the year are:

- Swacha Bharat Abhiyan
- Teacher Day.
- NSS Day
- Savidhan Din
- Yuvak Din
- Birth and Death Anniversaries of National Leaders.
- Environment Rally



- Rashtiya Ekta Divas
- State Level Sahasi Krida Shibir.
- National Pulse Polio Mission
- Holli Jan Jagruti.
- Narayan Seva.
- Tree Plantation.
- Bio-waste Management.

**NSS Special Camp:**

- Soil Testing
- Agro Training and Management
- Andha Shradha Jan Jagaruti.
- Competitive Examination Guidance.
- Social Leadership of Student.
- Disaster Management and Training.
- Health Checkup Camp.
- Veterinary Camp.
- Entrepreneurship Development Programm.
- Water Conservation.

**Yuva Mahosatav:** The students of the college regularly participate in university conducted Yuva Mahosatav. One of Our staff member work as a manager in the event.

**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?**

A legal literacy camp was organized by college in which a judge from the civil court and an advocate has guided students.

A leprosy awareness programme was organized by college with health department of government hospital.

**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.**

Reflecting on objectives and expectation of this extension activities organized by institution which help emotional competence through instruction and structured learning experiences throughout academic year of interrelated skills, attitudes, values and foundation for constructive development of student so that they,

- Acquire a knowledge, skills , Work habit & value
- Responsibility to group, family, college community.
- Engage in positive, health, protective behavior practices.

- Self management, problem solving ability.
- More broadly, these skills, attitude and values encourage a reflective, ready to learn approach to all areas of life. In short, they Promote knowledge, responsibility and caring.

**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 has made initiative to awareness about HIV through Rally.
- Environment awareness Road safety message, blood donation camp organized by college.
- Soil testing which gives directly involvement from village.
- Kojagiri pornima celebration so the all villager came to one place and have interaction with them.
- The NSS activities involve students, teachers and the beneficiaries for social development.

**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 College has constructive relationship with other institutions of locality for working on various programs such as HIV, leprosy awareness programme.
- The Peak point Technical solution RALTD (PPTS), Wardha working on training in electronic circuit design.
- Under social department college held blood donation camp, environmental study, road safely awareness and other extension activities mentioned.

**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 Collaborations**

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

The college has collaboration with the following institutions:

1. Dr.Bhausahed Nandurkar College of Engineering and Technology Yavatmal
2. Dr.Babasahed Nandurkar College of Physical Education Yavatmal
3. SSSKR Innani Mahavidyalaya Karanja (Lad) Dist.Washim
4. Indian Institute of Tropical Meteorology Pune
5. Amba Agrotech and Herbal (I) Pvt.Ltd. Yavatmal
6. Raviraj Plastics Yavatmal
7. Maharashtra Rajya Gramin Jivannoti Abhiyan (Umed) Panchayat Samiti Babhulgaon.
8. PPTS Pvt.Ltd.Wardha

The college has organized training programmes, chemical analysis and skill development programmes with these institutions which greatly benefited the students and staff.

**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 collaboration with the following institutions:

1. Dr.Bhausahed Nandurkar College of Engineering and Technology Yavatmal.
2. Dr.Babasahed Nandurkar College of Physical Education Yavatmal
3. SSSKR Innani Mahavidyalaya Karanja (Lad) Dist.Washim
4. Indian Institute of Tropical Meteorology Pune
5. Amba Agrotech and Herbal (I) Pvt.Ltd. Yavatmal
6. Raviraj Plastics Yavatmal
7. Maharashtra Rajya Gramin Jivannoti Abhiyan (Umed) Panchayat Samiti Babhulgaon.
8. PPTS Pvt.Ltd.Wardha

The college has signed MOU with the following:

1. Amba Agrotech and Herbal (I) Pvt.Ltd. Yavatmal
2. Raviraj Plastics Yavatmal

**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.**

**Industry-institution-community interactions:**

The college has organized workshop with PPTS LTD, Wardha.

**Upgradation of academic facilities:**

The college has interaction with PPTS LTD and “Amba Agrotech LTD” is useful for creating knowledge and placement of student.

#### **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.**

The names of eminent scientists/participants, who contributed to the events of the college,

- Dr. Y.B. Gandole (Electronic Department) Principal, Adarsh mahavidyala Dhamangaon.
- Dr. Ravi Verma HOD Biomedical Department Nandurkar Engineering College, Yavatmal.
- Prof. Vasant Rao Purke Ex. Minister for Soil testing analysis program inauguration.
- Mr. Datarya Gaikwad Dist. Agriculture superintendent invited for soil analysis program.
- Dr. K.S. Adhav, Head Department of Mathematics, Amravati University invited for Seminar on Calculus.
- Dr.S.D.Katore, Department of Mathematics, Amravati University and member of management invited for Seminar on Calculus.
- Dr. R.S. Sapkal, Head, Dept. of Chemical Technology and Director, BCUD Amravati University.
- Dr. Girish Joshi, State best teacher awardee invited on national science day poster presentation.
- Dr. Harshlata Petkar, HOD, Computer Department, Nandurkar College of Physical Education, Yavatmal.
- Dr. Subhash Samanta from Kolkata, Dr.R.M. Dharkar from Pune, Dr. Shirish Pathare from TIFR, Mumbai, Dr. Rekha Ghorpade from Mumbai University and Dr.Chakravarti from IIT Powai are invited National Workshop on Experiments in Physics
- Prof. Anil Durge was invited for poster presentation competition and lecture.
- Dr.A.M.Kuthe HOD Mechanical Engineering Department VNIT Nagpur
- Dr.D.R.Peshwe HOD Metallurgical Engineering Department VNIT Nagpur
- Dr.Mrs.R.V.Uddanwadikar Mechanical Engineering Department VNIT Nagpur
- Dr.P.M.Padole Dean VNIT Nagpur
- Dr.V.K.Deshpande HOD Physics Department VNIT Nagpur
- Dr.Dipak Dhote HOD Electronics Department Brijlal Biyani Mahavidyalaya Amravati
- Dr.S.E.Bhandarkar Dept.of Chemistry GVISH Amravati
- Dr.Shashikant Aswale Principal L.T.College Wani
- Shri Vasant Rao Ghuikhedkar Secretary Darwaha Education Society

- Dr.Suchita Patekar, Education Officer(Primary) Yavatmal
- Shri Kiran Sawant Patil Tahsildar Babhulgaon
- Shri Vinod Sangitrao President Ganit Adhyapak Mandal Yavatmal
- Shri.S.S.Chauthaiwale Retd.Teacher Amolakchand Mahavidyalaya Yavatmal
- Shri Ajay Lahane Commissioner Amravati Division Amravati

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

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

The college has been running under graduate level. Hence the research activities at the student's level are not undertaken exclusively because the research is not the part of curriculum for U.G. of the parent university.

The collaborations mentioned above have resulted into faculty exchange and professional development, consultancy, extension and twinning programme.

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

The college systematically made efforts and started research culture for staff by giving freedom to collaborate with other institutes.

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

- Computer facility with broadband connection for the use of internet for Faculties is established.
- Number of research journals in library is increased.
- Society needed extension activities are carried out regularly.

## 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?

We organize different committees under LMC (Local management Committees). Such Committees are Alumni, N.S.S., Library, Sport, student Board to create effective atmosphere for teaching and learning through infrastructural facilities. From 2008-2014 Committee had decided and planed building Structure, library, Books, sport ground, computer laboratory, chemistry laboratory, physics laboratory, electronics laboratory and every laboratory have sophisticated instrument facility, Broadband Internet facility, Girls and boys different urinal facility are present etc. For Seminar overhead Projector and LCD projector are available and for research on different subject journals are available.

#### 4.1.2 Detail the facilities available for

##### a) Curricular and co-curricular activities:

College has 6 classroom and college have computer department, chemistry Department, electronics Department Physics with necessary facilities.

The College has indoor as well as outdoor games and sports facilities. Girls have separate common room with toilet facility. Drinking water facility for student and staff, faculty wise staff room and for staff and student separate toilet and urinal facility is present.

**Classrooms:** The College has spacious classrooms, laboratories and library with proper light arrangement and ventilation.

Sr.No	Room No.	Particular	Dimension in sq. ft.
1	1	Principal's Cabin and IQAC Room	26X30.9 = 803.4
2	2	Office	26 x 29.10 = 756
3	3	Staff Room Gents	25.10X16= 876
4	4	Class Room 1	30X26 = 780
5	5	Class Room 2	30.9X26 = 803.4
6	6	Class Room3	20.2X26= 525.2
7	7	Class Room 4	19.9 X26 = 517.4
8	8	Class Room 5	29.8X26= 774.8
9	9	Class Room 6	29.10X26= 756.6

10	10	Physics Lab	26X50.7= 1318.2
11	11	Computer Lab	26X30=780
12	12	Chemistry Lab	26X70.10= 1822.6
13	13	Electronics Lab	26X50.7= 1318.2
14	14	Seminar Hall	26X40= 1040
15	15	Library Department	26X76.10=1978.6
16	16	NSS Office	26X20.9 =509.6
17	17	Auditorium	59.10X26=1536.6
18	18	Physical Director Office	26X 32 = 832
19	19	Store Room	10 X10 = 100
20	20	Girls Common Room	26X14.6=379.7
21	21	Toilet for Girls	26X15=390
22	22	Toilet for Ladies Staff	13X 5 = 65
23	23	Toilet for Gents Staff	13X 5 = 65
24	24	Toilet Boys	25.9X14.9=385.9
25	25	NAAC Room	26X19.6=509.6
26	26	Record Room	15.6X10= 156
27	27	Canteen	14.50 X 30 = 435
28	28	Cycle stand	26X30.9 = 803.4

With above infrastructure college has provided. HOD Cabin, Internet facility, over head projector, computer, Notice Board, digital Sound system, Scanner and Xerox Machine, Laptop, LCD, projector,

Library Department	No. Of Books	Journals
Chemistry	390	6
Physics	368	6
Mathematics	280	2
Computer Science	180	
Electronics	210	2
Marathi	191	
English	66	
Competitive exam	160	
Other	395	5
Online Books through INFLIBNET	More than 1,50,000	More than 6000.

With this conference hall with LCD projector and auditorium hall is present to conduct any function or meeting.

**b) Extra-curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health etc.**

- **Sports:** Table Tennis, Carom, Chess the student involved in volly ball and win inter college university level zonal matches and actively participated in kabaddi matches.
- **Outdoor Games:** Cricket, Kabaddi, Kho-Kho, volley ball, Athletics, etc. in college campus.
- **Indoor Games:** Badminton, Chess, Table Tennis, Badminton court (currently outside) etc games are present.
- **Gymnasium:** The contract of gymnasium with Maharudra Vyamshala established for staff and student.
- **Auditorium:** The Size of Auditorium is 1536.6 Sq ft. This is useful to conduct cultural programme.
- **N.S.S.:** The newly established in 2014 NSS cabin has 509.6 sq ft. size room; where meeting and planning take place.
- **Cultural Activities:** The Auditorium with facility like sound system, fans, banner holder etc.
- **Yoga:** By yogic method, the stress and tension are relaxed for teaching and non-teaching facility.
- **Health and hygiene:** By maintaining the college campus and the toilet blocks clean the minimum standard of hygiene is achieved. For any health problem the concerned patient is referred to the local hospital or the local doctor.

**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 newly constructed building of the college is optimally utilized for the academic activities as well as social activities. Regular classroom teaching, practical in the laboratories and computerized office work are some examples of the utilization of the infrastructural facilities. Apart from the routine work as above, the facilities are used for conducting the social programmes organized by the government agencies and the college.

The play ground of the college is also used by the students of the junior college and high school.

Future Plan: The College is planning to add new subjects such as industrial chemistry, petroleum chemistry, bioinformatics, biotechnology, botany, zoology, geography etc. The college has applied to the university for the same. In order to carry out research, some laboratory equipment needed for interdisciplinary research will be procured.

The college has made provision for further expansion of the building as per the need.



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

Physically challenged students are provided entry safe (raft) passage in Veranda.

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

**Hostel Facility:** Currently residential facility is not available. The Institute is planning to start the hostel facility for the girls and working women.

#### **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 first aid facility is available in all the laboratories and the office. Since our Director of physical education is an expert in yoga he conducts yoga camps for students as well as staff. The indoor and outdoor games facility is available to staff also and they make their use in leisure time. For any health problem the concerned patient is referred to the local hospital or the local doctor. The ambulance service in Babhulgaon is available on call.

#### **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.**

- **Grievance redressal unit:** Instead of Grievance redressal cell local management committee solving cases of teaching and non- teaching. There was no such issue till date. A suggestion box is made available to the student for their grievances and suggestions.
- **Women’s cell:** There are separate girls common room and ladies staff room and separate toilet blocks for the girls and attached toilet for lady teachers.
- **Counseling and career guidance cell:** The library Committee has recommended number of books for MPSC, UPSC competitive examination through solved problems books, recent general knowledge supported books.
- **Placement Unit:** There is no separate placement unit. But the college staff encourages to student for their placement.
- **Canteen:** The Canteen is running in separate building.
- **Recreational Spaces:** The outdoor and indoor games are available for staff and student that include chess badminton and table tennis, cricket, volleyball athletics etc.

- **Drinking facility:** Drinking facility made for staff and student through water cooler.
- **Auditorium:** College has auditorium hall having size 1536.6sq.ft. The auditorium has capacity to accommodate boys and girls for cultural and annual function.
- **IQAC:** A separate office is allotted to the IQAC for their routine work.

## 4.2 Library as a Learning Resource

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

Advisory Committee:

Name	Position	Designation
Dr . A. P. Deshpande	Chairman	Principal
Ms. Rasika R.Wadalkar	Member-Secretary	Librarian
Dr. M.N. Lokhande,	Member	Assistant Professor
Prof.O.K. kapse	Member	(HOD-Chemistry) Assistant Professor
Mr.M.M.Kadu	Member	Library attendant
Mr.Pratik D. Sarde	Member	Senior student

Significant indicatives implement by committee:

- Organize and maintain reading Room for students and Staff
- Appropriate light and air inside the reading rooms.
- Book should be arranged according rules and maintain register and student note book with BT should be maintained.
- Provision as per budget to purchase books of all subjects.
- In library, open access of books & journals to all students.
- Providing e-resource facilities for books and journals

### 4.2.2 Provide details of the following:

- \* Total area of the library (in Sq. Mts.) = 1978.6
- \* Total seating capacity = 60
- \* **Working hours :**
- i) On working days: 10 am. To 5.30 pm.
- ii) On holidays : Closed
- iii) Before Examination: 10 am. To 5.30 pm.
- iv) During Examination: 10 am. To 5.30 pm.
- v) During summer vacations: 10 am. To 5.30 pm.

Sr . No	Section	Area
1	Total Area	1978.6
2	Study room for Student	26 X 30.11 =782.86
3	Study room for Staff	26 X11.5 = 299
4	Stack Room	896.14
5	Journal Section	
6	Technical Section	
7	Circulation Section	
8	Librarians Table Section	
9	Library Internet section	
10	Periodical Section	

**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.**

Library ensures purchase and use of books, journals and other reading materials with discussion and recommendation by staff of the college.

Library contain Books, journals, competitive exam Books

Use Manual for table.

Library Holding	2012-2013	2013-2014	2014-2015	2015-2016
Reference Books,	Total Cost	Total Cost	Total Costs	Total Costs
Text books, Journals/ Periodicals, other.	129544	9172	18326	8154

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

- 1) **OPAC – Nil**
- 2) **Electronics resources management package for e-journals**  
For e- journals, we provide student about online available free journal website address Such as NISCAIR ONLINE PERIODICALS RESPOSITORY (www.hopr.niscair.res.in) and Inlibnet.
- 3) **Federated Searching tools to search articles in multiple database – Nil**
- 4) **Library website: Nil**
- 5) **In-house/remote access to e-publications: Nil**
- 6) **Library atomization: In process.**
- 7) **Total numbers of computer for public access:03**
- 8) **Total numbers of printers for public access: 01**

- 9) **Internet band width/ speed:** 100mbps.
- 10) **Institutional Repository** = Nil
- 11) **Content management system for e-learning** = Nil
- 12) **Participation in Resource sharing networks/consortia (like Inlibnet)** = Yes

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

- \* **Average number of walk-ins** = 35
- \* **Average number of books issued/returned** =10
- \* **Ratio of library books to students enrolled** = 1:11
- \* **Average number of books added during last three years** =598 (last three year total book purchased = 1793)
- \* **Average number of login to opac (OPAC)** = Nil
- \* **Average number of login to e-resources** = 40
- \* **Average number of e-resources downloaded/printed** =Nil
- \* **Number of information literacy trainings organized** = 02
- \* **Details of “weeding out” of books and other materials** =Nil

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

**Manuscripts:** 02

**Reference:** Nil

**ILL (Inter Library Loan Service) :** Provision is made

**Information deployment and notification:**

**Download:** Only from Google type free search engine used for downloading

**Printing:** Library has Printer and Xerox machine.

**Reading list/ Bibliography compilation:** In computer listed subject wise list of books are organized, which Support easy access to faculty and students.

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

**User Orientation and awareness:** Library has notice board by which student receive notices. A poster in the library displays the rules and regulations of the library.

**Assistance in searching Databases:** The library assistant helps the students and staff in searches books.

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

- Competitive examination books for students & Staff
- Broadband internet Service
- Specialized advanced knowledge books of all subject
- Open access of library to all students and staff.
- Leading research journals to staff and students.

- Reading room for staff and students.
- University syllabi of all years.
- Previous year university exam question papers.
- News papers for students and staff.

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

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

Through the suggestion box, the suggestions are received from the students about library.

### **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 are as follows :

#### **Department of Computer Science**

Sr. No.	Monitor/ CPU	RAM	Hard Disk	DVD / CD	Operating System	Int./ Lan	Printer	Anti virus
1	Lenovo Pentium G 2020	2 GB	160 GB	DVD	Win - 7	LAN		Quick Heal
2	Lenovo Pentium G 2020	2 GB	160 GB	DVD	-	LAN		Quick Heal
3	Lenovo Pentium G2030 T	2 GB	500 GB	DVD	Win - 7	LAN		Quick Heal
4	Lenovo Pentium G2030 T	2 GB	500 GB	DVD	Win - 7	LAN		Quick Heal
5	Lenovo Pentium G 2020	2 GB	160 GB	DVD	Win - 7	LAN	IBP/ 2900	Quick Heal
6	Lenovo Pentium G	2 GB	160 GB	DVD	Win - 7	LAN		Quick Heal

	2020							
7	Lenovo Pentium G 2020	2 GB	160 GB	DVD	-	LAN		Quick Heal
8	Lenovo Pentium G2030 T	2 GB	160 GB	DVD	Win - 7	LAN		Quick Heal
9	Lenovo Pentium G2030 T	2 GB	500 GB	DVD	Win - 7	LAN		Quick Heal
10	Lenovo Pentium G2030 T	2 GB	500 GB	DVD	-	LAN		Quick Heal
11	Lenovo Pentium G2030 T	2 GB	500 GB	DVD	-	LAN		Quick Heal
12	Lenovo Pentium G2030 T	2 GB	500 GB	DVD	-	LAN		Quick Heal
13	Lenovo Pentium G 2020	2 GB	160 GB	DVD	Win - 7	LAN	13 – Epson 2175	Quick Heal
14	Lenovo Pentium G 2020	2 GB	160 GB	DVD	Win - 7	LAN		Quick Heal
15	Lenovo Pentium G2030 T	2 GB	500GB	DVD	Win - 7	LAN		Quick Heal
16	Lenovo Pentium G2020	2 GB	160 GB	DVD	Win - 7	LAN		Quick Heal
17	Intel celleron	1 GB	160 GB	DVD	-	LAN		Quick Heal
18	Intel celleron	1GB	160 GB	-	-	LAN		Quick Heal
19	Intel celleron	1 GB	160GB	-	-	LAN		Quick Heal

• Department : Office

Sr . N o.	Monitor/ CPU	RAM	Hard Disk	DVD / CD	Operati ng System	Int./L an	Printer	Antivirus
1	Lenovo Pentium G	2 GB	500 GB	DVD	-	LAN	All in one scanner	Quick Heal

	2030 T						4300	
2	Lenovo Pentium G 2020	2 GB	160 GB	DVD	Win - 7	LAN	HP 1020	Quick Heal
3	V 2002430	2 GB	160 GB	DVD	Win - 7	LAN		Quick Heal

#### Principal Office & Library

Sr . No.	Monitor/ CPU	RAM	Hard Disk	DVD / CD	Operating System	Int./Lan	Printer	Antivirus
1	Lenovo Pentium G 2030 T	2 GB	500 GB	DVD	Win - 7	LAN		Quick Heal
Library								
1	Lenovo Pentium G2030 T	2 GB	500 GB	DVD	Win - 7	LAN	HP - 1020	Quick Heal

- Computer-student ratio: There is a batch of 16 students per practical as per the university norms. However a batch of 20 students is allowed by the government. So the computer to student ratio is 1:1
- Stand alone facility: Nil.
- LAN facility: In Office, Computer lab.
- Licensed software: Windows-7, Quick Heal, win pro7sp1 64-bit.
- Number of nodes/ computers with Internet facility:25
- **Any other:** The College has Wi-Fi facility.

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

As college is holding only science faculty students having with 5 main subjects, so the strength of student is not much large comparing this the computer department having number of computer with broad band internet facility which is sufficient and used for students and staff. The internet facility is present at office, Principal room and in library.

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

- The Computer facility with internet will be available to all departments.
- New software will be installed.
- The Library will be upgraded with new software to make atomization.

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

Sr. no	Facility	Budget			
		2012-2013	2013-2014	2014-2015	2015-2016
	Computer				
	Budget	20000	300000	500000	50000
	Expenditure	6400	206000	365899	19200

**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?**

The Teaching makes easy and knowledgeable by utilizing internet facility and OHP, LCD. To facilitate teaching and learning internet facility is used for downloading necessary materials and notes.

**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.**

Keeping views only on students college education system developed a way that student get profound knowledge. The Quality of education generate through infrastructure facility new aspect like in teaching, learning for that keeping use of OHP, LCD projector internet facility to perform project, seminar etc.

**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)?**



**(a) Budget allocated on:**

Sr. no	Facility	Budget			
		2012-2013	2013-2014	2014-2015	2015-2016
1	Building			1040331	349530
2	Furniture	315098	353230	622374	385433
3	Equipment/ Lab. Material	51790 123395	22475 57779	115192	22955
4	Computer	6400	206000	365899	19200

**(e) Budget allocated on Vehicles: Nil**

**(f) Any Other:**

Academic Session	Budget	Items	Expenditure
2012-13		Stationary Printing Telephone Bill Electrical Bill Garden Cultural Activities Invert-er Purchasing	12153 5103 5323 28170 7000 1600 25100
2013-14		Stationary Printing Telephone Bill Electrical Bill Garden/ground leveling	25077 1477 6963 21973 39100
2014-2015		Stationary Printing/Xerox Telephone Bill Electrical Bill and Ele.exp. Garden/ground leveling Cultural Activities	24960 4085 25771 90869 75650 19062
2015-2016		Stationary Printing/Xerox Telephone Bill Electrical Bill and Ele.exp. Garden/ground leveling Cultural Activities	21305 2680 21232 30100 8090 4936

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

As college management committee and local management committee to time look after towards infrastructure and maintenance of building and other infrastructural. According to strength of student principal and staff, recommending required infrastructure. Mainly this includes laboratory, library, classroom, sport equipment, material for cultural activity

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

The calibration of the measuring instruments is carried out as and when required by the standard procedures.

#### **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 sensitive equipment includes mainly computer and electric devices, which operate on electricity. The electricity fluctuations are controlled by fixing UPS and inverter. Fire extinguisher kept avoiding any dangerous fire situation. Constant supply of water is ensured in the laboratories, toilets and drinking water facility.

### **CRITERION V: STUDENT SUPPORT AND PROGRESSION**

#### **5.1 Student Mentoring and Support**

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

'Yes', the college publishes updated prospectus and academic calendar annually. It contains the following information:

**Prospectus:** Information of courses, Rules for admission, Rules of examination,

Extension activities (competitive examination guidance, N.S.S., placement cell)

Information about library, identity cards, Scholarships, Eligibility conditions for scholarships, Fees structure, Photographs of infrastructure.

**Academic calendar:** The commencement of academic term/session, the number of teaching day and working days, tentative program of internal examination, dates of curricular, co-curricular activities and festivals, Anniversaries of social reformers and national saints and leaders.

The college is committed to provide quality education for students from rural area. The college activities work through different committees constituted

annually and each committee is accountable for its responsibilities.

**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?**

Academic year	Type of scholarship/free ship	Number of students who have availed of the assistance	Amount disbursed
2012-2013	Free ship	3	---
	Scholarship GOI	15	18180
2013-2014	Free ship	-	----
	Scholarship GOI	27	33840
2014-2015	Free ship	8	-----
	Scholarship GOI	63	109840
2015-2016	Free ship	10	5700
	Scholarship GOI	56	118800

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

Academic year	No. of admitted students	No. of students received scholarship/free ship	% of student receiving scholarship	Amount of scholarship disbursed
2012-2013	85	18	21.17	18180
2013-2014	156	27	17.30	33840
2014-2015	230	71	30.86	109840
2015-2016	183	66	36.06	124500

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

✓ **Students from SC/ST, OBC and economically weaker sections**

Students of SC/ST,OBC category through GOI Scholarship.

✓ **Students with physical disabilities.**

The reservation policy of government of Maharashtra and Santa Gadge Baba Amravati University Amravati is adopted by college during admission process to physically handicapped candidates.

✓ **Overseas students**

No overseas students were admitted in the college.

✓ **Students to Participate in various competitions/National and International.**

Students are always encouraged and counsel by teachers to participate in various competitions related to curricular and extracurricular activities and game. The college provides T.A. and registration fee to the students who participate in various competitions.

✓ **Medical assistance to students: health center, health insurance etc.**

The first-aid box is made available in office, laboratory and gymkhana. The college organizes various lectures on health and hygiene and poster exhibition on AIDS awareness under the student's welfare activities. The colleges submit to the university the following amounts per students:

Students welfare fund – Rs.10.00/-

Students emergency fund –Rs. 10.00/-

Through this students welfare fund the needy students are provided help as per university norms.

✓ **Organizing coaching classes for competitive exams.**

The expert lecture is organized by the college for the guidance of competitive examinations. The college staff members personally guide them and encourage them for competitive exams.

✓ **Skill Development.**

The college takes serious efforts to conduct skill development program which includes. Unutilized paper used for employment. Personality development, Communication skill, Group discussion, Yoga and meditation, Computer awareness program is organized for the students who have not offered computer as their subjects.

✓ **Support for slow learners.**

A personal attention is given to the slow learners by the teacher of the colleges to solve their difficulties. Additional time is given for them.

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

The students of our college are exposures to higher learning and corporate sector.

Career guidance program. Organizing lectures of personalities from management and technical institutes. Displaying various advertisements and information brochures regarding higher education and job opportunities.

✓ **Publication of student magazines.**

The college has published a student 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 organized career guidance programs, skill development programs, which are useful to the students as the input for entrepreneurship.

Visit to the industries are also useful to the students. Some lectures are organized on entrepreneurship. Students participate in various competitions/national and international.

**5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and cocurricular activities such as sports, games, Quiz competition debate and discussions, cultural activities etc.**

- \* additional academic support, flexibility in examinations
- \* special dietary requirements, sports uniform and materials
- \* any other

**Policies and strategies:**

The institution prepares its policies and strategies at the beginning of academic year. The policies include the amount of TA/DA to be given to students for participating in games and sports and cultural activities outside the town. Decision is also taken about to provide the sports material like T-shirts, shoes etc.

The decision is also taken about the sports participating students for attending the classes, practicals and college test. Such students are allowed to extra time provided for to complete their practicals and theory. Students who have a good track record in sports are given admission in the subjects of their choice in sports quota as per the government norms.

**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, GATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.**

The students are encouraged to appear in various competitive examinations. They are provided with necessary information and books in the library; however guest lectures are arranged to guide them.

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

The college has career counseling cell that provide career guidance to the students by the expert in the field. The college has formed the societies of the various subjects such as a Physics society, Chemistry society, Mathematic society, electronics society & computer society. Through these societies various activities related to the subject are organized so, that the students get an opportunity to deal with the academic personal and career problems. The NSS gives students a platform to get acquainted with the psycho social problems.

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

The college has career guidance cell. The expert lecture is arranged to guide the students and various career opportunity. The various advertisements about the job are displayed on college notice boards. The students are personally guided by the teachers about different competitive examinations.

Year	Program	No of students benefited
		Arvind A.Pise –Gov.job
		Parag R.Jagtap–Gov.job
		Ravi K.Patil -Gov.job
		Amol R.Lakde - LIC
		Mahesh Motke- All India Radio Yavatmal
2010-2015	General knowledge	Kapil Kalpande-Audit officer
		Ashish Gupta –Postman
		Ku. Chandani Levade- Gov.Employee

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

The College has established student’s grievance committees.  
The members of the committees are as fallows.

Sr. No.	Name	Post
1	Dr.A.P.Deshpande	Chairperson
2	Dr.S.S.Battalwar	Member
3	Dr. M. N. Lokhande	Member
4	Prof. Shital Bhende	Member

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

The above grievance committee takes care of the issues.

**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?**

The anti-raging committee has from as the fallow.

Sr. No.	Name	Position	Designation
1	Dr.A.P.Deshpande	Chairperson	Principal
2	Dr.S.S.Battalwar	Member	NSS,DPE
3	Dr.M.N.Lokhande	Member	Ass.Prof.
4	Mr.O.K.Kapse	Member	Head(Chemistry)
5	Mr.Jakir Khan	Member	Journalist
6	Mr.S.S.Thwale	Member	Jr.Clerk
7	Mr.Ganesh Jakhare	Member	Parent representative
8	Miss. Monali Deshmukh	Member	Student(fresher)
9	Mr. Shankar Thapa	Member	Student(senior)

**5.1. 13 Enumerate the welfare schemes made available to students by the institution.**

GOI Scholarship, Group insurance & Emergency fund etc.

**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?**

The college has formed an alumni association. The alumni of the college arrange a gate together program every year.

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

**Student Progression**

Year	Name		Total %
UG to PG	Snhehal Wankhede	M.Sc-2012	2011-2012 - 26.08%
	Moshsin Ali	M.Sc-2012 CPS	
	Pragati D. Joshi	M.Sc. 2014	2013-2014

		ETC	-38.08%
	Payal Vilasrao Gawali	M.Sc 2014 Math	
Other	Ku.Priti V. More	B.Ed.-2012	
	Ku.madhuri S.Pawade	M.S.W.-2012	
	Sahil S.Mohamad	B.P.Ed-2012	
	Manisha V. Pardke	B.Ed.-2014	
	Namrata A. Kinhikar	B.Ed.-2014	
	Dhanashree G. Yeotikar	B.Ed.-2014	
	Samayanaj Javed	B.Ed.-2014	
	Shekh Ansar Shekh Satar	B.Ed.-2014	
Employment	Chadani Levande		
	Ashis Gupta		
	Parag Jagtap		
	Kapil Kalpande		
	Shubhangi Aglawe		
	Mahesh Motke		

**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.**

Year	B.Sc. I	B.Sc. II	B.Sc. III
2010-11	1.28	62.5	50
2011-12	3.57	0	8.69
2012-13	15.55	53.33	80
2013-14	28.94	20	71.42
2014-2015	9.57	1.64	82.86

The detail of drop-out ratio for four years

Year	B.Sc. I	B.Sc. III	Drop-out ratio
2009-10 - 2011-12	38	23	39.47
2010-11 - 2012-13	71	5	92.95
2011-12 - 2013-14	68	21	69.11
2012-13 -	50	37	26



2014-15			
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### 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. They are guide to choose the proper course of their interest as well as having job potential. The institution facility is employment by arranging various programs like personality development soft skill training programs for competitive examination.

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

- Arranging extra lecture.
- Communicating with parent.
- Continuous counseling.

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

#### 2011-12 student participants:

Sr. No.	Name of Participant	Types of activity	Level	Achievement
1	Snehal Ramesh Rao Wankhade	Chess	University	Participation
2	Mohacin ali	Chess	University	Participation
3	Santosh D. Shedamake	CrossCountry	University	Participation
4	Mahesh M. Motake	Cross Country	University	Participation
5	Ashish A. Khobragade	Cross Country	University	Participation
6	Sahil s. Mohammad	Cross Country	University	Participation
7	Sahil Sabir Mohommad	Soft Boll	University	Participation
8	Sohil S. Mohammad	Athletics	University	Participation
9	Mangesh P. Raut	Athletics	University	Participation
10	Roshan P. Bhagat	Athletics	University	Participation
11	Santosh D. Shedmake	Athletics	University	Participation
12	Snehal R. Wankhade	Athletics	University	Participation
13	Suvarna R. Ajmirey	Athletics	University	Participation
14	Amrita R. Pohokar	Athletics	University	Participation
15	Summaianaz Mohammed Jawed	Athletics	University	Participation

16	Hawanshri G. Yevatkar	Athletics	University	Participation
17	Sahil Mohommad	Junior State power lifting	State	Participation

**2012-13 student participants:**

Sr. No.	Name of Participant	Types of activity	Level	Achievement
1.	Mangesh P. Raut	Volley Ball	University	Participation
2.	Sushil P. Waghmare	Volley Ball	University	Participation
3.	Roshan P. Bhaget	Volley Ball	University	Participation
4.	Shak Ansar Shek Sattar	Volley Ball	University	Participation
5.	Mahesh M. Motke	Volley Ball	University	Participation
6.	Oumesh A. Rom	Volley Ball	University	Participation
7.	Suraj S. Rumale	Volley Ball	University	Participation
8.	Sagar R. Waikar	Volley Ball	University	Participation
9.	Akshay Shivshankar Thokal	Cross Country	University	Participation
10.	Ashish Ramlakhan Gupta	Cross Country	University	Participation
11.	Mahesh Manikrao Motke	Cross Country	University	Participation
12.	Roshan Pandharinath Bhaget	Cross Country	University	Participation
13.	Sagar Ramdad Waikar	Cross Country	University	Participation
14.	Amruta Ramesh Rao Pohokar	Cross-Country	University	Participation
15.	Namrata Ashokrao Kinhike	Cross Country	University	Participation
16.	Manisha vilasrao Perdakhe	Cross Country	University	Participation
17.	Dhanshri Gopalsing Yavtikar	Cross Country	University	Participation

**2013-14 student participants:**

Sr. No.	Name of Participant	Types of activity	Level	Achievement
18.	Sagar Ramdad Waikar	Athletics	University	Participation

19.	Ansar Sattar Sheikh	Athletics	University	Participation
20.	Roshan Pandharinath Bhaget	Athletics	University	Participation
21.	Mahesh Manikrao Motake	Athletics	University	Participation
22.	Atikesh Bhaiyyasaheb Ingole	Athletics	University	Participation
23.	Mohan Madhukarrao Niwal	Athletics	University	Participation
24.	Sanket Subhashrao Motake	Athletics	University	Participation
25.	Ashish Ashokrao Khobragade	Athletics	University	Participation
26.	Dhanshri Gopalsing Yeotikar	Athletics	University	Participation
27.	Punam Vijayrao Sao	Athletics	University	Participation
28.	Ku.Namrata Ashokrao Kinhikar	Athletics	University	Participation
29.	Manisha Vilasrao Pardkhe	Athletics	University	Participation
30.	Anushri Rameshrao Wankhade	Athletics	University	Participation
31.	KAshvini Sanjayrao Mude	Athletics	University	Participation
32.	Monali Dnyaneshwarrao Dhobale	Athletics	University	Participation

**2014-15 student participants:**

Sr. No.	Name of Participant	Types of activity	Level	Achievement
1.	Mr.S.O.Raut	Volley Ball	University	Participation
2.	Mr. S.P.Waghmare	Volley Ball	University	Participation
3.	Mr. D.E. Bansod	Volley Ball	University	Participation
4.	Mr. S.S. Motke	Volley Ball	University	Participation
5.	Mr. C.V. Phophare	Volley Ball	University	Participation
6.	Mr.S.K.Thapa	Volley Ball	University	Participation
7.	Mr.V.V.Wadhukar	Volley Ball	University	Participation
8.	Mr.A.V. Nagarale	Volley Ball	University	Participation
9.	Mr. A.B. Ingole	Volley Ball	University	Participation
10.	Mr.P.M.Niwal	Volley Ball	University	Participation
11.	Mr.T.N.Gupta	Volley Ball	University	Participation

12.	Mr.M.N.Niwal	Volley Ball	University	Participation
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Sr. No.	Name of Participant	Types of activity	Level	Achievement
1	Mr.J.J.Sheikh	Kabbadi	University	Participation
2	Mr. S.K.Thapa	Kabbadi	University	Participation
3	Mr.A.V. Nagarale	Kabbadi	University	Participation
4	Mr.S.A. Varbhe	Kabbadi	University	Participation
5	Mr.P.V. Sonawane	Kabbadi	University	Participation
6	Mr.P.M.Niwal	Kabbadi	University	Participation
7	Mr.S.S.Motake	Kabbadi	University	Participation
8	Mr.M.M.Niwal	Kabbadi	University	Participation
9	Mr.P.S.Thokal	Kabbadi	University	Participation
10	Mr.S.R. Chandre	Kabbadi	University	Participation
11	Mr.S.O.Raut	Kabbadi	University	Participation
12	Mr.S.P.Waghmare	Kabbadi	University	Participation
13	Mr.P.D.Sarde	Fine Arts	University	Participation
14	Mr.C.V.Phophare	Fine Arts	University	Participation

**2015-16 student participants:**

Sr. No.	Name of Participant	Types of activity	Level	Achievement
1.	Mr.S.A.Warbhe	Kabbadi	University	Participation
2.	Mr.M.D.Durge	Kabbadi	University	Participation
3.	Mr.A.A.Rayliwale	Kabbadi	University	Participation
4.	Mr.S.S.Mahajan	Kabbadi	University	Participation
5.	Mr.P.V.Sonawane	Kabbadi	University	Participation
6.	Mr.V.V.Sharma	Kabbadi	University	Participation
7.	Mr.V.V.Waddurkar	Kabbadi	University	Participation
8.	Mr.V.S.Mahajan	Kabbadi	University	Participation
9.	Mr.A.U Shrirame	Fine Arts	University	Participation
10.	Mr.P.D.Sarde	Fine Arts	University	Participation
11.	Mr.A.U Shrirame	Athletics	University	Participation

12.	Mr.K.S.Shinde	Cross Country	University	Participation
13.	Mr.V.V.Wadhurkar	Cross Country	University	Participation

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

**Annual Social Gathering:** It is one of the major extra-curricular events at college level. Various competitions such as Dance, Drama, Singing, Fancy Dress, Debate, Rangoli, Games and Sports, etc. are arranged during annual social gathering. College provides the following facilities to encourage the students for their participation in this event.

**National Service Scheme:** College has unit of NSS with programme officers. Students are trained through this scheme for the organization of various community based services such as Literacy, Blood donations, AIDS awareness, Health check up camps for children, women, community hygiene, cleanliness etc. in the adopted village.

**Games and Sports:** Hall for indoor games. Play field for outdoor games and sports. Instruments and kits are for various games and sports. Organization of university tournaments to motivate the students.

**The volley ball team wins 2014-2015 and 2015-2016 zonal final.**

Sr. No	Name of Participant	Types of activity	Level	Achievement
1	Shankar Kamal Thapa	Volley Ball	University	<b>wins 2014-2015 and 2015-2016 zonal final</b>
2	Chaitan Vijay Pophare	Volley Ball	University	
3	Shubham Ganesh Hote	Volley Ball	University	
4	Shubham Vithalrao Bhire	Volley Ball	University	
5	Chetai Sudhakar Ladhi	Volley Ball	University	
6	Ashish Vasudev Shreerame	Volley Ball	University	
7	Akshay Chandrashekar Gazalwar	Volley Ball	University	
8	Umesh Ashokrao Rom	Volley Ball	University	
9	Vaishnav Suresh Mahajan	Volley Ball	University	
10	Aniket Rameshrao Adhau	Volley Ball	University	
11	Suraj Prakash Bhoier	Volley Ball	University	
12	Rajesh Mahadev Kohale	Volley Ball	University	

**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?**

College monitors progress of student through different committee. The suggestion from student is considered seriously and according action has taken out.

**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.**

College has its annual magazine named “Bharari” where student put their thoughts in essay, poem article and in many ways. Beside that college has a “student Board” where student post their paper like advertisements, news and on different topic. The college has subject association for each subject. The association of the concerned subject performs various activities like seminar, paper presentations, quiz, projects etc.

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

Maharashtra University Act 1994, at the beginning of every academic session.

Chairman: Principal

Class Representative: One from each class on merit basis

Four Student Representatives: One from Sports

One from National Service Scheme

One from Cultural activities

One from Women’s cell

The student council of the college is responsible for the maintenance of general discipline and positive atmosphere for studies, solving difficulties of the students by notifying them to the authorities.

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

Following committees/ bodies of the college have students’ representation. Various committees and their activities are as under-

- Student Council
- Library Committee
- Sport Committee
- College magazine Committee
- Departmental Associations
- NSS Committee
- Women’s Cell
- Alumni and Parents Meet Committee

- Student Board committee.
- Anti ragging Committee.

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

Various activities have so far been performed by taking the help of alumni such as special NSS camp, Workshops on electronic and on mathematics water conservation, food adulteration and Blood Donation Camp etc.

## **CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 Institutional Vision and Leadership**

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

**MISSION:** Providing best science education in rural area. Utilizing the scientific knowledge for the society and preparing the students for the future scientific challenges. Contributing to the scientific research of the country.

**VISION:** Starting courses in Botany, Zoology, Geology, Biotechnology. Starting Post graduate courses in all branches. Starting research activity in pure as well as applied field. Conducting activities that are helpful to the society at large.

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

**Management:** The Sudam Shikshan Prasarak Mandal is a registered body which takes the major decisions regarding finance expansions and HR in their governing body meetings. The management keeps a constant watch on the various college activities and gives suggestions to the principal time to time for the smooth running of the academic and administrative work of the college.

**Principal:**

- The principal is the academic and administrative lead of the institute. As an academician looks after all the academic activities of the institute such as policy, planning and implementation towards the quality education to the students.

- The principal forms various committees of the faculties to monitor the teaching learning process.
- As head of the different committees the principal gets the feedback and directs the committees accordingly.
- The principal co-ordinates the work with university and other agencies in full filling their necessary requirement in times.
- The principal as the administrative head of the institute looks after the office administration for the smooth running of the office.
- Various administrative procedures are set by the principal so that the students do not suffer due to any administrative lapses.
- The principal acts as guardian to the staff and students.

**Faculties:**

- The college council is formed which constitutes all the staff members and the principal as president of the council.
- The college council considers various academic and administrative issues related to the students and the staff and takes proper decisions to find solutions to the problems concerned.
- The LMC is formed as per the Maharashtra university act 1994 section 85 .The LMC is a very important committees which is a blend of management representative staff representative some experts and the principal to the secretary .The important issues are discussed in LMC meetings such as results, filling up of the vacant posts disciplinary actions in respect of staff and students and various other important issues.
- The faculties are the members of various C and they actively participate in arriving acts to solutions to the problems at various levels.

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

- **the policy statements and action plans for fulfillment of the stated mission**
  - **formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
  - **Interaction with stakeholders**
  - **Proper support for policy and planning through need analysis ,research inputs and consultations with the stakeholders**
  - **Reinforcing the culture of excellence**
  - **Champion organizational change**
- The Management, principal and staff take collective efforts to ensure that the action plan decided by them full files the mission of the college. Any idea diverting the mission is ruled out.
  - The action plans are formulated at each level and the staff and the principal take all the efforts for the successful implementation of action plan.
  - The parents are involved in meeting action plans as well as there are informed about the progress of their wards.



- The alumni association also suggests points for developments of the college .Their suggestions are discussed in the college council meetings.
- Feedback is taken from the students, alumni and parents and also the exports who visit the college from time to time their suggestions in arriving act the achievement of the mission of the college are considered.

**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 various committees formed by the principal take care of the implementation of the decision taken by the management, the college council and the LMC .The suggestions from parents, alumni and students are considered for the implementation of the action plans taken.

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

- The Management provides academic leadership through LMC
- IQAC
- College council
- Various other committees.

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

The various subject committees are formed of which student representatives are members and a teacher in charge. The subject committees organized activities related to the subject. This gives an opportunity of leadership to the students as well as teachers. The students are given chance to conduct most of the programs.

**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?**

**Departments:** There are five departments in the college. The staff members of the department prepare a list of their requirements in the departments staff meeting and forwards it. To the principal .The principal in consultation with purchase committee fulfill the requirement .There is an autonomy to each department as regards the academic planning, implementation and examination.

**Committees:** Various committees take decisions for the implementation of the decision. Formation of the various committees is like delegating the power to the committee.

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

Consideration of the suggestions from parents, alumni and students in the policy decision is an indication of participative management of the college. The students are encouraged to conduct various programmes.

**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?**

The quality policy of the institution has been formally student under IQAC and LMC; it is assisted by the governing body of the college. The academic committees deal with the academic aspects of the college. The focus of the quality policy is deployed by ensuring of continuous improvement and development of the college .The assignments of quality policy is reviewed by analyzing feedback from students on curriculum campus, library, seminars, workshop external counters etc. For the developments of quality policy it has been periodically reviewed by suggestion and feedback from stakeholders.

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

- To start P.G. courses.
- To start new subjects like Botany, zoology, Biotechnology and Bioinformatics, industrial chemistry, petroleum chemistry, Environmental science.etc.
- To start more career oriented courses.
- To establish research culture and center
- To construct Boy’s Hostel.
- To construct girls and working women hostel.

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

The Policy decision is taken in management committee meeting and the LMC meetings. Decision regarding planning and execution are taken by the LMC, college council and various other committees.

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

**Teaching and Learning:** Apart from lecture method and the test prescribed in the syllabus, guest lectures, problem solving session, students seminars and poster presentations are arranged for effective teaching learning process This process is supported by the library, facility, use of LCD projector and virtual class rooms.

**Research and development:** The College staff members are encouraged to register for M.Phil and Ph.D. The college Staff is encouraged to participate in workshops, conferences and seminars. The college staff is provided with the support of registration fees and or travel assistance as per the needs. The college has collaborations with other colleges and research institutes where the staff members of the college can carry out their research work. The students are also encouraged to take up small research projects on the subject of their choice. Provision of chemical and apparatus up to Certain limited amount is made by the management.

**Community engagement:**

**N.S.S.:** The College has recently been allotted the N.S. S. unit of 50 students. During the academic session, various N.S.S. activities have been conducted such as Awareness, Leprosy Awareness, sicalcell awareness, legal awareness etc. The special residential camp is organized at the adopted village “Niagaon”.

**Social Work:** Blood donation camp, tree plantation and soil and water testing have been organized. Organized rallies on social and current issues

**Human resources management:** All the resource management are utilized under the guidance of principal as per rules and guidance of institution, university and government of Maharashtra.

**Industry interaction:** The students are encouraged to visit industry nearby.

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

The reports of the various committees, suggestions from parents, alumni and students are collected by the principal which are presented before the LMC and management committees planning and implementation. The guideline of the university and government of Maharashtra issued from time to time are taken into consideration for planning and 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, IQAC and LMC take decision for the effective planning and efficient execution.

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

<b>Date of meeting</b>	<b>Decision</b>	<b>Resolution</b>	<b>Implementation</b>
19/4/2014 And 13/9/2015	Subject:1	Review of last meeting	
	Subject:2 Regarding soil testing kit purchasing.	The aim of the soil testing kit is help to farmer to improve fertility of soil.	The soil testing kit was purchased on 16/5/2014 and the program for farmer was organized on 26 /05 /2014And it continued for 2 month.
	Subject:3 Purchase the book	Library has adequate number of books required for B.Sc. students, it was recommended by teaching staff.	Recommended books was purchased of Rs-130000/- in between 20/05/2014 -3/06/2014
	Subject:4 Admission and time table	To improve admission process and time table for regular classes.	Committee organized on 5/6/2014.
	Subject:5 Workshop for mathematics	College organize workshop in collaboration with Yavatmal district Mathamatics association	Organized workshop on dated 09 /10 /2015
	Subject:6 National Workshop for Physics	College organize National workshop in collaboration with All india physics teacher association	Organized National workshop on dated 09 /12 /2015

**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?**

There is a provision for according the status of autonomy to an affiliated institution; however the college has not made any effort to obtaining autonomy

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

The college has formed a grievance redressed committee headed by the principal to resolve grievances. A suggestion and complaint box is available for the student's. The research able complains are considered and resolved. Constructive suggestions are included in planning and execution.

**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?**

Court case detail to be given: The court case against college petition number 3994 filled on 10/08/2012 and decided in 2013. The court case against college writ petition number 5280/2015 is pending before High court.

**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?**

We collect suggestions from the students which are analyzed and used for planning and development of college.

### **6.3 Faculty Empowerment Strategies**

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

The college encourages the teachers to participate in workshops, seminars and conferences. A workshop on "Roster" was organized for all non-teaching staff of Yavatmal District College in collaboration with Joint Director Higher Education, Amravati A. Workshop on office administration has been organized for office staff. Workshop on laboratory maintainance was organized for laboratory staff. The library attendant was sent for training in Karanja.

**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?**

The teaching and non-teaching staff of the college is given certificate of appreciation for their contribution to various activities. The Staff teaching

and non-teaching are felicitated on their achievements. By making the staff members on various committees they are involved in decision making and implementation. Once given responsibility, the staff enjoys the full autonomy to fulfill the responsibility.

**6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

- The academic diary is a part of performance appraisal of teacher. The principal evaluates and gives suggestions for improvement.
- The Self appraisal or filled by the teachers and non-teaching staff are evaluated by the principal and proper recommendations are made for improvements.

**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 appraisal forms evaluated by the principal are submitted to the management and LMC for proper actions.

**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?**

LIC, DCPS, Casual Leave, medical leave are few welfare schemes that are available to staff previously.

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

No measure has been taken so far.

## **6.4 Financial Management and Resource Mobilization**

**6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

The college has Local Management Committee who takes decision in monitoring and implementation of it through various committees made inside the college.

**6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

The college has external audit method. The last audit has done in 13-5-2016. There was not any major objection in the audit.

**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.**

<b>Academic Session</b>	<b>Budget</b>	<b>Expenditure</b>
2010-11	2000000	1981590
2011-12	4300000	4224014.50
2012-13	4000000	3929997
2013-14	7300000	7211833.15
2014-2015	6500000	6069762.75

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

Any additional funding was not sanctioned from other resources

## **6.5 Internal Quality Assurance System (IQAS)**

### **6.5.1 Internal Quality Assurance Cell (IQAC)**

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

The college has established IQAC in the college. At top priority the senior teachers are looking forward towards the planning of the academic and extra-curricular activities. In the academic meeting, strategies and planning are finalized and looked to finalized in time. By responsibility and coordination maintain meeting and implement extra-curricular activities.

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

All the suggestions regarding the IQAC were accepted by the management and authorities of the college.

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

IQAC has external members like Prof. Vasantao Purke Ex-Education Minister has helped by giving suggestions as per need.

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

The Suggestions from the alumni, students and parents are considered in the IQAC meetings.

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

The IQAC Communicates through principal with the staff by way of circular, notices, reminders and letter of applications.

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

- The institution has adopted a three approach system where the LMC is the final decision making body accountable to the stakeholders.
- The IQAC, the planning body, collects from the learners and various committees through participatory interactions, based on which it proposes comprehensive perspective plan to the governing council for approval and implementation.
- The chain of committees is in charge of implementation of developmental and academic activities assigned by the governing council.
- The supervision by governing body ensures the proper implementation. The fair representation of the learners ensures the transparency in the process.

**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 committee members of IQAC have attended a workshop on IQAC organized by Sant Gadge Baba Amravati University on 3<sup>rd</sup> Dec. 2014

**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?**

No.

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



The Internal Quality Assurance mechanism aligns with the norms and direction of the university and government of Maharashtra.

**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?**

Head of the institution ensures adequate information through student's feedback, parent meeting and personal contact with students. The Head of the institution uses this information for planning and development in effective implementation of academic, administrative work and co- curricular activities.

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

The institution communicated its quality assurance policies, mechanism and outcome to the internal stakeholders through meeting with students, and with external stakeholders through parent teacher meets and alumni association.

**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?**

To create environment consciousness, the college has displayed the posters regarding "save energy" "save water" Avoid wastage of food at proper positional in the college campus. At B.Sc 2<sup>nd</sup> Year level there is a compulsory paper on environmental studies. The students are taken to visit the river, forest etc. under the environmental studies programme.

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

**a)Energy Conservation:**

All the class rooms and laboratories are well ventilated to get more sunlight. Use of CFL bulbs and tube lights with electronics chokes are practised to save electricity.

**b)Use of renewable energy :**

At present we have not tapped the solar energy, however, the college will take initiative in this direction.

**c) Water Harvesting:-**

For rain water harvesting trace water is percolated through soak pits . Which enhance the water level of the wells nearby.

**d) Hazardous Waste Management:**

Hazardous waste material from the laboratories is collected in the special tank built behind the college building of 2×2×2 size.

Eradication of congress grass and other weeds in and around the campus is a regular activity of NSS.

**e) Check dam construction:**

Within the campus no initiatives have been taken so far.

**f) e-waste management:**

Non-working electrical instruments like computers, printers, laptops, CDs, photocopy machines, etc. are kept aside in the special compartment or disposed for recycling.

**g) Efforts for carbon neutrality :**

The source of carbon dioxide emission is only humans and vehicles of student and staff, which is minimal. The college at its own level has taken up following preventive measures to check the emission of carbondioxide.

- There are 200 plants and trees are in the campus.
- Awareness among students is created through the environmental study classes.

## **7.2 Innovations and Best Practices**

### **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.**

**Soft skill development:** Under this scheme we organize invited talks and training programme on personality developments communication skills, presentation skills and group discussion etc.

**Career Guidance Cell:** Under the career Guidance cell expert lectures are arranged. Information about employment, placement and admission to higher courses is displayed on notice board. Books on competitive examination are made available in Library for the benefit for the students.

## **7.3 Best Practices:**

### **7.3.1 Elaborate on any two best practices as per the annexed format which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.**

The college promotes the best practices in the college. The institution has internalized the best practices in order to improve the functioning of the

academic and administrative systems. The working of the college is run by the active participation of the staff.

### **Best Practice No. I**

#### **1. Title of the Practice: Extension of Chemistry Laboratory for the Benefit of Society.**

- a) Soil and Water Analysis
- b) Detection of food Adulteration.

#### **2. Objectives:**

- 1) To make the farmers aware of their soil health.
- 2) To counsel the farmers to reduce production cost and increase crop yield.
- 3) To make awareness among villages and farmers about quality of drinking water and irrigation.
- 4) To make the people aware about the kind of adulteration of the food products they use.
- 5) To suggest simple method for detection of adulteration in food items.
- 6) To make people aware of their consumer rights.

#### **3. The Context:**

The soil is an essential part of agriculture. However, the farmers are neglecting this important aspects thereby their cost of production increases and there is considerable decrease of crop yield. Either the soil is overdosed with the fertilizer or there is a deficiency of fertilizer thereby reducing the productivity of the soil considerably followed by a great decrease in the crop yield. If the soil analysis is carried out it is possible for the farmers to know the nature of their soil deficiency of the nutrients in the soil so that they can improve the soil accordingly.

There is a complete awareness about the quality of water. The people are using for drinking water as well as water for irrigation. This leads to serve health problems hence it is essential to analyze the quality of water so that many waterborne diseases can be avoided.

It is absorbed that many of our food items are adulterated leading to number of diseases. If people are made aware about the adulteration in foods the diseases could be avoided

#### **4. The Practice:**

The collection of the soil sample is the first step of soil analysis. The college has prepared pamphlets about how to collect soil sample from the field. These pamphlets are distributed among the farmers on the weekly bazaar day. The farmers accordingly collect the soil sample from their fields

and bring them to our chemistry lab for soil analysis. The soil sample thus received is analyzed by the college staff and students using soil testing kits and standard given method of analysis. The soil test reports are prepared and farmers are asked to come on the nearest possible date on which they are counseled on the cropping pattern, the type and dose of fertilizer on the basis of their soil test report.

The students are made aware about the importance of the soil and water analysis and bring about the collection of soil and water samples from the respective villages and bring them for analysis in the college. The students are involved in the soil and water analysis.

A demonstration is given to the students about the adulteration in food items. A demonstration is also given before the people about the food adulteration so that their awareness about the same should be improved.

#### **5. Evidences of Success:**

Feedback from the farmers about the soil test reports is very encouraging to us. The farmers mentioned that their expenditure on fertilizers has been reducing considerably and the crop yield has also increased. Many farmers have mentioned that water analysis has helped them to reduce the irrigation problem. The Villages came to know about the quality of water they are using thereby they take proper care for using the same. The people expressed that they never knew about the adulteration in food items.

#### **6. Problems Encountered :**

- The farmers are very much reluctant upon soil testing.
- The farmers do not want to change their traditional method of agriculture.
- They completely neglect the quality of water for drinking as well as for irrigation.
- The eating habits of the people are responsible for neglecting the food adulteration issues.

#### **7. Resources Required :**

- Herculean efforts are needed to make people aware about soil, water and food.
- We need the atomic Absorption spectrometer for micronutrients analysis
- Incubators are needed for the microbial analysis of water and soil.

#### **Best Practice No.II**

## **1. Title of the Practice: Student Board**

### **2. Objectives**

- a) To enhance and maximize the information resources available for the students.
- b) To share the collected information and their views on different topics of current interest.
- c) To encourage about the development of artistic and literary side among the students.
- d) To promote the students to express their literary talent.
- e) To promote the students for prosperous use of their leisure time.
- f) To develop the various skills like writing, communication and creativity among the students.
- g) To develop, organize and maintain the user centered environment conducive to intellectual vitality, exploration and exchange of ideas among the students.
- h) To encourage the diversity of forms in literary expression like poetry, short story, articles, humor, graffiti Award in the teaching field etc.
- i) To provide a proper learning and living environment for the cultivation of scholarly people.
- J) To promote and share information necessary for competitive examinations.

### **3. The Context**

The students need a platform where they can express, share and exchange their views on the topics of current interest and information collected by them in different forms. Publication of the magazine is time consuming and lengthy process. On the other hand, the students go very fast and in expansive method and share their knowledge. The college has employed a good board method for the convenience of the students.

### **4. The Practice**

The students who wish to share their information come and submit it to the concerned teacher. The information is scrutinized by the editorial board and displayed on the “Student Board”. The information such as news paper cutting on current issues, small articles written by the students, some Net searched material are usually displayed on the “Student Board”.

### **5. Evidence of Success**

The students regularly observe the student board and get motivated to share information among themselves. The students also express that the Student Board serves as a ready and a useful resource for competitive examinations.

### **6. Problems Encountered**

There was a very slow response from the students initially. Our staff members had to initiate that particular activity first as a part of demonstration. Due to lack of expression power, the students are highly reluctant to come forward. But later on, they get proper grooming and overcome this particular difficulty. Obviously, they become aware of various information resources. The attitude of the students regarding not sharing their information even about the relevant information had been a great problem we had to face.

## E. Evaluative Report of the Departments:

### Evaluative Report of the Departments

1. Name of the department : **PHYSICS**
2. Year of Establishment : **2008**
3. Names of Programmes /Courses offered (UG, PG, M.Phil.,Ph.D.,Integrated Masters; Integrated Ph.D.,etc.) : **UG**
4. Names of interdisciplinary courses and the departments/ units involved : **Nil**
5. Annual/ semester/choice based credit system (programme wise) : **Semester system**
6. Participation of the department in the courses offered by other depts. : **No**
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	04	03 Full Time (Ad-hoc)

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
Dr.A.P.Deshpande	M.Sc. Ph.D.	Principal	X-ray Spectroscopy , Soil Physics	32 years	1

Mr. Pursing B. Rathod	M.Sc.	Assistant prof. (Full Time)*		2 years	
Prof. P.P.Gadekar	M.Sc.	Assistant prof. (Full Time)*		4 years	
Prof. Bharati Sewani	M.Sc.	Assistant prof. (Full Time)*		1 year	

\*On ad-hock basis

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

Sr.No.	NAME OF PROF.	TOTAL	TOPIC
1	Dr. A. B. Lad	2	Magnetic properties of solids

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 8%**

:

**13. Student -Teacher Ratio (programme wise) Student teacher ratio:**

Education level									Student Ratio	Teacher
U. G.									38.00	
Part I			Part II			Part III			Total	
M	F	T	M	F	T	M	F	T	<b>183</b>	<b>1:45</b>
52	40	<b>92</b>	31	28	<b>59</b>	12	19	<b>31</b>		

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Sanctioned: 03 Filled: 03**

**15. Qualifications of teaching faculty with DSC/ D.Litt/ Ph.D/ M.Phil/PG. : PG, Ph.D.**

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

**17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received. : 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: **48**
- :
- \* 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.):**41**
- :
- \* Monographs : **01**
- \* Chapter in Books: : **02**
- :
- \* Books Edited : **01**
- \* Books with ISBN/ISSN numbers with details of publishers : **01**
- \* Citation Index : **77**
- \* SNIP : **SJR**
- :
- \* Impact factor : **> 4**
- \* h-index : **4**

**20. Areas of consultancy and income generated : Soil physics, Atmospheric, X-rays, Analytical Instruments**

**21. Faculty as members in : National committees & International Committees**

- a) National committees : National : Seminar on X-ray Spectroscopy
- b) International Committees :Member International Subject Committee on the subjects Radioactivity and Radiation Protection,X-ray Optics and Isotope applications in medicine organized by World Academy of Science Engineering and Technology at Dubai, Stockholm and Paris.
- c) Editorial Boards.... : Vidyabharti Journal of Interdisciplinary areas
- d) University Level : **Nil**
  - 1. Member of Senate
  - 2. Member of Advisory board of NSS

**22. Student projects**

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

departmental/programme

**It is compulsory for all second and final year 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  
**:Dr.A.P.Deshpande**

**: Member of International Advisory Committee of the International Conferences in (1) Radioactivity and Radiation Protection,(2) X-rays and Neutron Optics and (3) Nucleotide Meteorology organized by World Academy of Science, Engineering and Technology.**

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

1	Dr.S.V.Deshmukh Retd.Scientist RRCAT, Indore
2	Dr.S.K.Joshi Principal Govt.Arts & Science College, Ratlam
3	Dr.P.M.Padole Professor Dept.of Mechanical Engineering V.N.I.T., Nagpur

- 25.** Seminars/ Conferences/Workshops organized and the source of funding

- a) National :01 (Self Finance)  
b) International :

- 26.** Student profile programme/course wise: (2014-15)

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M		
B.Sc. I ( I – Semester)	105	105	73	32	10.48
B.Sc. I (II – Semester)	92	92	65	27	13.04
B.Sc. II ( III- Semester)	67	67	43	24	1.49
B.Sc. II (IV – Semester)	56	56	36	20	12.50
B.Sc. III ( V- Semester)	37	37	18	19	8.11
B.Sc. III (VI – Semester)	35	35	17	18	85.71

\*M=Male F=Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100	NO	NO
B.Sc. II	100	NO	NO
B.Sc. III	100	NO	NO

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

29. Student progression

Student progression	Against % enrolled
UG to PG	%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities

- a) Library : Nil
- b) Internet facilities for Staff & Students : **Yes**
- c) Class rooms with ICT facility : **Yes**
- d) Laboratories : **Yes**

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

Sr. No.	Financial assistance received	Number of students
1.	College	
2.	Teacher	
3.	Government	<b>144</b>

32. Details on student enrichment programmes (special lectures / workshops /

seminar) with external experts : **Yes**

1. Seminar : Department arranges inter departmental seminars.
  2. Special Guest lecture: Department invite the expert guest for guest Lectures on special topic.
  3. Every year department performs inauguration of Science Association.
  4. Science Day is celebrated by Department.
  5. National conference on “**Experiment in Physics**” was organized on date 09-13/12/2015.
  6. A workshop on “**Solar Energy**” on date 17/10/2015.
  7. A workshop on Recent Trends in Bio-Materials and Biomechanics in collaboration with Dr.babhusaheb Nandurkar College of engineering and technology, Yavatmal on dated 1-2/04/2016.
  8. Ad-on courses: 1) Certificate course in sustainable energy.  
2) Certificate course in on material characterization for researchers in physics, chemistry.
- 33.** Teaching methods adopted to improve student learning: Power point presentation and models and demonstrations.

1. Participation in institutional Social Responsibility (ISR) and Extension activities : **Yes**

- Faculty of the department actively participates in the institutional social activities like NSS, Gram Cleaness Drive, and Water Harvesting.
- Soil testing, Water analysis.

2. SWOC analysis of the department and Future plans :

**Strength of the Department:**

- Atmospheric Light sensor.
- Solar Cooker demonstration.
- Good attendance of students even though college is located in rural area.
- Well furnished and equipped laboratory.

**Weaknesses of the Department:**

1. Dropout rate 32.14 %
2. Low profile of the students.

**Opportunity of the Department:**

1. The practical skills developed by the student's, increases their employability
2. Ability to face the competitive exams.

### Challenges of the Department:

1. To promote the students for higher education.
2. To develop the research environment in the students.
3. And turn the satisfactory result into excellent.
4. To improve dropout rate of the department.

### Future Plans:

1. Department will start PG courses in future.
2. Develop well equipped research laboratory
3. Instrumentation facilities for research are to be developed.

### Evaluative Report of the Departments

1. Name of the department : **CHEMISTRY**
2. Year of Establishment : **2008**
3. Names of programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG**
4. Names of Interdisciplinary courses and the departments/units involved : **Nil**
5. Annual/ semester/choice based credit system (programme wise) : **Semester system**
6. Participation of the department in the courses offered by other depts. : **No**
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	02 Full Time
Asst. Professors		02 CHB

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. Omkar K. Kapse	M.Sc.(Chem.), NET(JRF)	Assistant Professor and HOD	Organic Chemistry	3 year	Nil
Dr.Mahendra N. Lokhande	M.Sc.(Chem.), NET(JRF) Ph.D.	Assistant Professor	Organic Chemistry	3 year	Nil
Dr. Nilesh Rathod	M.SC.(Chem), Ph.D.	Assistant Professor (C.H.B)	Inorganic Chemistry	6 month	Nil
Dr.Mohsin Pathan	M.Sc.,Ph.D.	Assistant Professor (C.H.B)	Organic Chemistry		Nil

11. List of senior visiting faculty

Sr.No.	Name of Professor	Topic
1	Dr.S. E. Bhandarkar	Spectroscopy
2	Dr.M.M. Kodape	Chemical kinetic

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **10%**

13. Student -teacher ratio (programme wise) student teacher ratio:

Education level									Student Teacher Ratio	
U. G. B.Sc.										
Part I			Part II			Part III			Total	
M	F	T	M	F	T	M	F	T	<b>89</b>	<b>1:22.25</b>
17	27	<b>44</b>	20	16	<b>36</b>	02	07	<b>09</b>		

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Sanctioned: **02** Filled: **02**

15. Qualifications of teaching faculty with DSC/ D.Litt/ Ph.D/ M.Phil/PG.  
: **Ph.D, NET, PG**
16. Number of faculty with ongoing projects from a) National b) International  
funding agencies and grants received : **Nil**
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.  
and total grants received : **Nil**
18. Research Centre /facility recognized by the University: **Nil**
19. Publications:
- \* a) Publication per faculty : **07**
  - \* Number of papers published in peer reviewed journals (national / international) by faculty and students : **30**
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Monographs : **Nil**
  - \* Chapter in Books: : **Nil**
  - \* Books Edited : **Nil**
  - \* Books with ISBN/ISSN numbers with details of publishers: **Nil**
  - \* Citation Index : **27**
  - \* SNIP : **Nil**
  - \* SJR : **Nil**
  - \* Impact factor : **>2.8**
  - \* h-index : **01**
20. Areas of consultancy and income generated : **Nil**

21.

Faculty as members in :	National committees and International Committees
a. National committees :	
b. International Committees :	
c. Editorial Boards :	Advisory board on Journal of Innovative Prospective in Sciences
d. University Level	<b>Nil</b>

:	
1. Member of Senate:	
2. Member of Advisory board of NSS:	

**22. Student projects**

- a) Percentage of students who have done in-house projects including inter departmental/programme : **Made compulsory for all second and final year 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**

**Faculty: Dr. M. N. Lokhande received**

- “Best Poster presentation award at Brijlal Biyani College in National Conference in 2015.
- “Best Poster presentation award at Sant Gadge Baba Amravati University in National Conference in 2016.
- “Award of Excellence” in Research by Matoshri Nanibai Gharphalkar Science College 2014-2015.

**Faculty: Prof. O. K. Kapse received**

- “Award of Excellence in Teaching” by Matoshri Nanibai Gharphalkar Science College 2014-2015.
- “Bhumiputra Gavrao Award” has been received in Karla by Jai Hanuman Vicharmanch Karla 2016.

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

1	Dr.S. E. Bhandarkar
2	Dr.A. P.Deshpande
3	Dr.S.B. Waghmare
4	Dr.M.M. Kodape
5	Dr.Gawahale
6	Dr.R.S.Sapkal
7	Dr.Shashikant Aswale
8	Dr. Mrs. Aswale

**25. Seminars/ Conferences/Workshops organized and the source of funding**



- a) National : Nil  
 b) International : Nil  
 c) Regional : 02

**26. Student profile programme/course wise: (2014-15)**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I ( I – Semester)	68	68	47	21	76.35
B.Sc. I (II – Semester)	57	57	40	17	35.09
B.Sc. II ( III- Semester)	47	47	33	14	2.13
B.Sc. II (IV – Semester)	39	39	28	11	7.09
B.Sc. III ( V- Semester)	12	12	3	9	0
B.Sc. III (VI – Semester)	12	12	3	9	83.33

\*M=Male F=Female

**27. Diversity of Students:**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100	No	No
B.Sc. II	100	No	No
B.Sc. III	100	No	No

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

**29. Student progression:**

Student progression	Against % enrolled
UG to PG	%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-

<b>Student progression</b>	Against % enrolled
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	8%

**30. Details of Infrastructural facilities**

- a) Library : **Nil**
- b) Internet facilities for Staff and Students : **Yes**
- c) Class rooms with ICT facility : **Yes**
- d) Laboratories : **Yes**

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

<b>Sr. No.</b>	<b>Financial assistance received</b>	<b>Number of students</b>
<b>1.</b>	<b>College</b>	
<b>2.</b>	<b>Teacher</b>	
<b>3.</b>	<b>Government</b>	<b>79</b>

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

- Seminar : Department arrange inter departmental seminar.
- Special Guest lecture: Department invite the expert for guest Lectures on special topic.
- Every year department performs inauguration of Science Association.
- Science Day celebration.
- **Soil testing Training Programme** 08/12/2014.
- **Soil testing Programme: Inaugurated on** 26/05/2014 and continued.
- Workshop on **Eco-Friendly Paper Conversion** for self employment during 07/04/2015.
- Water Analysis.
- Food Adulteration
- Ad-on courses : 1) Certificate course on preparation of soaps.  
2) Certificate course on introduction to analytical instrument.

**33. Teaching methods adopted to improve student learning: Power point presentations, Models and chalk board.**

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

activities : **Yes**

- Faculty of the department actively participates in the institutional social activities like NSS, Gram Cleanness Drive, Water Harvesting, eradication of superstition.
- Department perform Best Practices like Soil Testing analysis for the farmers.
- Department perform Best practices like Drinking water analysis of the village.
- All faculty members actively guide the students of various secondary and higher secondary education institutes in the city for the projects.
- The department analysis drinking water of the village.
- Workshop on Eco-friendly paper conversion for self employment

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

#### **Strength of the Department:**

- Soil testing for farmers.
- Water analysis.
- Identification of adulteration in food.
- Polymer analysis.
- Eco-friendly paper conversion for self employment.
- Capacity for general chemical analysis.
- Good attendance of students even though college is located in rural area.
- Qualified Teacher.
- Paper presented by professor in national level seminar.

#### **Weakness of the Department:**

- Higher Dropout rate.
- Profile of the students.

#### **Opportunity of the Department:**

- Introduce specialization i.e. M.Sc. in college.
- Active collaboration with external agencies.

#### **Challenges of the Department:**

- To promote the students for higher education.
- To develop the research environment in the students.
- Turn the unsatisfactory result into excellent.
- To improve dropout rate of the department.

**Future Plans:**

- Department will start the PG course in future.
- Develop well equipped Laboratory and Library.

**Evaluative Report of the Departments**

1. Name of the department : **MATHEMATICS**
2. Year of Establishment : **2008**
3. Names of Programs/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG**
4. Names of Interdisciplinary courses and the departments/units involved : **Nil**
5. Annual/ semester/choice based credit system (programme wise) : **Semester system**
6. Participation of the department in the courses offered by other depts. : **No**
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	Nil	Nil
Asst. Professors	01	01*
Asst. Professors		02 CHB

- On Ad-hoc basis.

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years

Mr. Nilesh A. Nivalkar	M.Sc.(Maths) B.Ed, NET, SET	Assistant prof.Ad- hoc	Matha- matics	3	
Mr.Satish S. Wankhede	M.Sc.(Maths) B.Ed, SET	Assistant prof C.H.B.	Matha matics	3	
Ku.Madhavi P.Dhopte	M.Sc.(Maths) B.Ed	Assistant prof C.H.B.	Matha matics	2 Yrs	

**11. List of senior visiting faculty**

Sr.No	Name of Professor	TOPIC
1	Dr. Adhav	Calculus
2	Dr. Katore	Calculus

**12. Percentage of lectures delivered and practical classes handled(program wise) by temporary faculty : 10%**

**13. Student -Teacher Ratio (programme wise) Student teacher ratio:**

Education level									Student	Teacher
									Ratio	
U. G.										
Part I			Part II			Part III			Total	
M	F	T	M	F	T	M	F	T	<b>124</b>	<b>1:41.33</b>
31	29	<b>60</b>	26	23	<b>49</b>	6	9	<b>15</b>		

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Sanctioned: 00 Filled: 00**

**15. Qualifications of teaching faculty with DSC/ D.Litt/ Ph.D/ M.Phil/PG. : SET/NET, PG**

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

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

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

- 19. Publications:**
- \* a) Publication per faculty : **Nil**
  - \* Number of papers published in peer reviewed journals (national / international) by faculty and students : **Nil**
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **Nil**
  - \* Monographs : **Nil**
  - \* Chapter in Books: : **Nil**
  - \* Books Edited : **Nil**
  - \* Books with ISBN/ISSN numbers with details of publishers : **Nil**
  - \* Citation Index : **Nil**
  - \* SNIP : **Nil**
  - \* SJR : **Nil**
  - \* Impact factor : **Nil**
  - \* h-index : **Nil**
- 20. Areas of consultancy and income generated** : **Nil**
- 21. Faculty as members in** : National committees and International Committees
- b) National committees
  - b) International Committees
  - c) Editorial Boards.... : **Nil**
  - d) University Level : **Nil**
    - 1. Member of Senate
    - 2. Member of Advisory board of NSS
- 22. Student projects**
- a) Percentage of students who have done in-house projects including inter departmental/programme : **Nil**
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : **Nil**
- 23. Awards/ Recognitions received by faculty and students** : **Nil**
- 24. List of eminent academicians and scientists/ visitors to the department**

1	Dr.Kishor Adhau HOD Mathematics, SGBAU Amravati
2	Dr.S.D.Katore Professor Mathematics, SGBAU Amravati
3	Mr.S.Sangitrao, President Yavatmal District Ganit Adhyapak Mandal
4	Mr.Vijay Vispute Secretary Yavatmal District Ganit Adhyapak Mandal
5	Mr. S.W. Saraf
6	Mr. S. M.Chauthaiwale

**25. Seminars/ Conferences/Workshops organized and the source of funding**

	:	<b>Nil</b>
a) National	:	<b>Nil</b>
b) International	:	<b>Nil</b>
c) Regional	:	<b>02</b>

**26. Student profile programme/course wise: (2014-15):**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I ( I – Semester)	89	89	58	31	11.24
B.Sc. I (II – Semester)	80	80	53	27	8.75
B.Sc. II ( III- Semester)	41	41	28	13	2.44
B.Sc. II (IV – Semester)	38	38	25	13	36.84
B.Sc. III ( V- Semester)	23	23	6	17	0
B.Sc. III (VI – Semester)	22	22	6	16	90

\*M=Male F=Female

**27. Diversity of Students:**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100	No	No

B.Sc. II	100	No	No
B.Sc. III	100	No	No

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	<b>10%</b>
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	10

30. Details of Infrastructural facilities

- a) Library : **Nil**
- b) Internet facilities for Staff & Students : **Yes**
- c) Class rooms with ICT facility : **Yes**
- d) Laboratories : **Yes**

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

Sr. No.	Financial assistance received	Number of students
1.	College	
2.	Teacher	
3.	Government	<b>39</b>

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

- Department arranges inter departmental seminar.
- University level seminar of students on **Calculus** : 18/02/2015.
- Department invite the expert guest for guest Lectures on special topic.
- Every year department performs Inauguration of Science Association.



- Science Day programme celebration also conducted by department.
  - A workshop on Mathematics for teachers: 09/10/2015
33. Teaching methods adopted to improve student learning: **Power point presentation/ Green Board**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities : **Yes**
- Faculty of the department actively participates in the institutional social activities like NSS, Gram Cleanness Drive.
  - The department has organized University level UG seminar on Calculus in which ( 86 ) students participated and ( 25 ) teachers contributed.
35. SWOC analysis of the department and Future plans :

**Strength of the Department:**

- Preparation for competitive exam.
- Good attendance of students.

**Weaknesses of the Department:**

- Low student profile.
- Dropout rate.

**Opportunity of the Department:**

- To develop the research environment in the students.

**Challenges of the Department:**

- To promote the students for higher education
- Turn the unsatisfactory result into excellent.
- To improve dropout rate of the department.

**Future Plans:**

- Department will start the PG course in future.

### **Evaluative Report of the Departments**

1. Name of the department : **ELECTRONICS**
2. Year of Establishment : **2008**
3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG**

4. Names of Interdisciplinary courses and the departments/units involved  
: **Nil**
5. Annual/ semester/choice based credit system (programme wise)  
: **Semester system**
6. Participation of the department in the courses offered by other depts.  
: **No**
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	02*

- On ad-hoc basis.

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
MR. Sandeep Rathod	M.Sc. NET	Assistant Professor*	Instrumentation	2	
Ku.G.P.Badhiye	M.Sc.(Ele)	Assistant Professor *	Instrumentation	1	
Ku.A.A.Bhoge	M.Sc.(Ele)	Assistant Professor CHB	Instrumentation	1	

- On Ad-hoc

11. List of senior visiting faculty:

Sr.No	Name of Professor	TOPIC
1	Dr. Y.B.Gandole	Advances in Electronics

2	Dr.Ravi Varma	Electronics in Bio-medical engineering
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12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty :  
10 %

13. Student -Teacher Ratio (programme wise) Student teacher ratio:

Education level									Student Teacher Ratio	
U. G.										
Part I			Part II			Part III			Total	
M	F	T	M	F	T	M	F	T	<b>63</b>	<b>1:21</b>
26	9	<b>35</b>	6	3	<b>9</b>	9	10	<b>19</b>		

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Sanctioned:00 Filled: 00

15. Qualifications of teaching faculty with DSC/ D.Litt/ Ph.D/ M.Phil/PG. : NET, PG

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

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

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

19. Publications:

- \* a) Publication per faculty : Nil
- \* Number of papers published in peer reviewed journals (national / international) by faculty and students : Nil
- \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
- \* Monographs : Nil
- \* Chapter in Books: : Nil
- \* Books Edited : Nil

- \* Books with ISBN/ISSN numbers with details of publishers : **Nil**
  - \* Citation Index : **Nil**
  - \* SNIP : **Nil**
  - \* SJR : **Nil**
  - \* Impact factor : **Nil**
  - \* h-index : **Nil**
- 20.** Areas of consultancy and income generated : **Nil**
- 21.** Faculty as members in : **Nil**
- c) National committees
  - b) International Committees
  - c) Editorial Boards.... : **Nil**
  - d) University Level : **Nil**
    - 1. Member of Senate
    - 2. Member of Advisory board of NSS
- 22.** Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : **Nil**  
 Made Compulsory for All Second and Final Year 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 : **Nil**
- 24.** List of eminent academicians and scientists/ visitors to the department :

Sr.No	Name of Professor	TOPIC
1	Er.Mahesh Bahute	Conducted workshop on Basic Electronics
2	Dr.Y.B.Gandole	Advances in Electronics
3	Dr.Ravi Varma	Electronics in Bio-medical engineering
4.	Dr. Deepak Dhote	Scope in Electronic

- 25.** Seminars/ Conferences/Workshops organized and the source of funding
- : **Nil**
  - a) National : **Nil**

- b) International : Nil  
 c) Regional : 03

26. Student profile programme/course wise: (2014-15):

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I ( I – Semester)	17	17	12	5	5
B.Sc. I (II – Semester)	12	12	8	4	75
B.Sc. II ( III- Semester)	37	37	29	8	2.70
B.Sc. II (IV – Semester)	23	23	18	5	8.70
B.Sc. III ( V- Semester)	16	16	10	6	0
B.Sc. III (VI – Semester)	14	14	8	6	92.86

\*M=Male F=Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100	No	No
B.Sc. II	100	No	No
B.Sc. III	100	No	No

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

29. Student progression:

Student progression	Against % enrolled
UG to PG	10
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	
• Other than campus recruitment	05

<b>Student progression</b>	Against % enrolled
Entrepreneurship/Self-employment	10

**30. Details of Infrastructural facilities**

- a) Library : **Nil**  
b) Internet facilities for Staff & Students : **Yes**  
c) Class rooms with ICT facility : **Yes**  
d) Laboratories : **Yes**

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

:

Sr. No.	Financial assistance received	Number of students
<b>1.</b>	<b>College</b>	
<b>2.</b>	<b>Teacher</b>	
<b>3.</b>	<b>Government</b>	<b>106</b>

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

1. Seminar : Department arrange inter departmental seminar
2. Special Guest lecture: Department invite the expert guest for guest Lectures on special Topics.
3. Every year department performs Inauguration of Science Association.
4. Science Day programme celebration also performed by Department.
5. Four Day workshop has been conducted by the Department on” Basic Electronics Circuit Design” 27-30/09/2014
6. Four Day workshop has been conducted by the Department on” Basic Electronics Circuit Design 16-18/10/2015
7. Two Day workshop has been conducted by the Department on” Advanced Electronics Circuit Design 20-21/10/2015
8. Ad-on courses:
  - 1) Certificate course on repair and maintenance of electronic equipment.
  - 2) Certificate course on PCB design.

**33. Teaching methods adopted to improve student learning**

: Power point presentation Electronic circuits and projects and chalk Board.

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

: **Yes**

- Faculty of the department actively participates in the institutional social activities like NSS, Gram Cleanness.
- All faculty members actively guide the students of various secondary and higher secondary education institutes in the city for the projects.

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

**Strength of the Department:**

- Conducting workshops on Basic and Advanced Electronics
- Good attendance of students even though College is located in rural area.

**Weakness of the Department:**

- Low student profile
- High Dropout rate

**Opportunity of the Department:**

- The skills developed by the students through workshops and projects improve their employability.

**Challenges of the Department:**

- To promote the students for higher education
- To develop the research environment in the students.
- Turn the satisfactory result into excellent.
- To improve dropout rate of the department.

**Future Plans:**

- Develop the well equipped Laboratory and Library.

**Evaluative Report of the Departments**

1. Name of the department : **COMPUTER SCIENCE**
2. Year of Establishment : **2008**
3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **UG**
4. Names of Interdisciplinary courses and the departments/units involved : **Nil**

5. Annual/ semester/choice based credit system (programme wise)  
: **Semester system**
6. Participation of the department in the courses offered by other depts.  
: **No**
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	02*

- On ad-hoc basis.

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. S. O. Angaitkar	M.Sc.(CPS)	Assistant Professor (Ad-hoc)	Computer Science and Application	03	
Dr.P.V. Nimbalkar	M.Sc.(CPS), Ph.D.	Assistant Professor (Ad-hoc)	Computer Science and Application	12	

11. List of senior visiting faculty:

SR.NO	NAME OF PROF.	TOTAL LECTURES	TOPIC



1	Prof. Hershalata Petkar	01	Carrier Guidance
2	Prof. Vipul Kotak	01	Visual Basic & RDBMS
3	Prof. Hemant Moodliar	02	Computer organization, Data structure Microprocessors

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 10%

13. Student -Teacher Ratio (programme wise) Student teacher ratio:

Education level									Student Ratio	Teacher
U. G.									38.00	
Part I			Part II			Part III			Total	
M	F	T	M	F	T	M	F	T	92	1:46
31	14	45	13	14	27	9	10	19		

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Sanctioned: 00 Filled: 00

15. Qualifications of teaching faculty with DSC/ D.Litt/ Ph.D/ M.Phil/PG.: PG

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

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

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

19. Publications:

\* a) Publication per faculty : 03

\* Number of papers published in peer reviewed journals (national / international) by faculty and students : 03

\* 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
- : 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** : National committees and International

Committees

- d) National committees
- b) International Committees
- c) Editorial Boards.... : Nil
- d) University Level : Nil
  - 1. Member of Senate
  - 2. Member of Advisory board of NSS

**22. Student projects**

- a) Percentage of students who have done in-house projects including inter departmental/programme : Made compulsory for all second and final year 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 :** Nil

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

1	Dr. S. V. Dongardive [Joint Director of Higher Education Amaravati]
2	Prof. Hershata Petkar [ Dr Babasaheb Nandurkar College Of Physical Education Yavatmal ]
3	Prof. Vipul Kotak [ Dr Babasaheb Nandurkar College Of Physical Education Yavatmal ]
4	Prof.Saturwar [ Dr. Babasaheb Nandurkar College Of Physical Education Yavatmal ]

**25. Seminars/ Conferences/Workshops organized and the source of**

funding : Nil  
a) National : Nil  
b) International : Nil

**26. Student profile programme/course wise: (2014-15):**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I ( I – Semester)	47	47	32	15	12.77
B.Sc. I (II – Semester)	41	41	31	10	26.83
B.Sc. II ( III- Semester)	39	39	29	10	0
B.Sc. II (IV – Semester)	27	27	18	09	3.70
B.Sc. III ( V- Semester)	23	23	14	09	13.4
B.Sc. III (VI – Semester)	22	22	14	8	90.91

\*M=Male F=Female

**27. Diversity of Students:**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100	NO	NO
B.Sc. II	100	NO	NO
B.Sc. III	100	NO	NO

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

**29. Student progression:**

Student progression	Against % enrolled
UG to PG	%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-

<b>Student progression</b>	<b>Against % enrolled</b>
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	15

**30. Details of Infrastructural facilities**

- a) Library : Nil
- b) Internet facilities for Staff & Students : **Yes**
- c) Class rooms with ICT facility : **Yes**
- d) Laboratories : **Yes**

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

<b>Sr. No.</b>	<b>Financial assistance received</b>	<b>Number of students</b>
<b>1.</b>	<b>College</b>	
<b>2.</b>	<b>Teacher</b>	
<b>3.</b>	<b>Government</b>	<b>110</b>

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

- Seminar : Department arrange inter departmental seminar.
- Special Guest lecture.
- Every year department performs Inauguration of Science Association.
- Science Day celebration.
- Career guidance in opportunities in the field of computer science on 29/12/2014.
- Aptitude Test : Conducted for students of computer science by **MAMI** on 26/03/2016
- Ad-on course : 1) Certificate course on IT network support.  
2) Certificate course on IT hardware support.

**33. Teaching methods adopted to improve student learning : Power point presentation and by practical..**

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

- : **Yes****
- Actively participates in the institutional social activities like NSS, Gram Cleanness Drive, Water Harvesting, eradication of superstition.

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

**Strength of the department:**

- Skill oriented courses run by the department
- Good attendance of students.

**Weaknesses of the Department:**

- Low profile of the students
- Dropout rate 32.14 %

**Opportunity of the Department:**

- Each Student uses separate System.
- Full Time Internet Facility.
- Printer is available in computer lab.

**Challenges of the Department:**

- To promote the students for higher education.
- To develop the research environment in the students.
- And turn the satisfactory result into excellent.
- To improve dropout rate of the department.

**Future Plans:**

- Department will start PG courses in future.
- Start certificate courses in computer application.

Matoshri Nanibai Gharphalkar Science College  
Babhulgaon Dist.Yavatmal College Code 476

Dr.A.P.Deshpande  
Principal  
Mob: 94048478496  
e-mail:apdeshpande58@gmail.com

Krushna Kadu  
President/Secretary  
Mob : 9422167482  
Ph.office :07203-270250

**Declaration by the Head of the Institution**

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

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

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

Place: Babhulgaon  
Date: 12-5-2016



  
Signature of the Head of the institution

with seal:  
Principal  
Matoshri Nanibai Gharphalkar  
Science College, Babhulgaon  
Dist. Yavatmal

**Matoshri Nanibai Gharphalkar Science College**  
**Babhulgaon Dist.Yavatmal** College Code 476

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Dr.A.P.Deshpande  
Principal  
Mob: 94048478496  
e-mail: apdeshpande58@gmail.com

Krushna Kadu  
President/Secretary  
Mob : 9422167482  
Ph.office :07203-270250

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**Certificate of Compliance**

This is to certify that Matoshri Nanibai Gharphalkar Science College, Babhulgaon fulfils all norms stipulated by the Sant Gadge Baba Amravati University, Amravati, and the affiliation and recognition is valid as on date.

It is noted that NAAC'S Accreditation if grated, shall stand cancelled automatically, once the institution loses its 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 to NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the College website.

Date: 12-5-2016  
Place: Babhulgaon

  
Principal  
Principal  
Matoshri Nanibai Gharphalkar  
Science College, Babhulgaon  
Dist.Yavatmal

**Matoshri Nanibai Gharphalkar Science College**  
**Babhulgaon Dist.Yavatmal** College Code 476

Dr.A.P.Deshpande  
Principal  
Mob: 94048478496  
e-mail:apdeshpande58@gmail.com

Krushna Kadu  
President/Secretary  
Mob : 9422167482  
Ph.office :07203-270250

**NAAC Steering Committee**

Sr. No.	Name	Status
1	Dr. A.P.Deshpande	Principal/ Chairman
2	Prof. O. K. Kapse	Co-ordinator
3	Mr. H. D. Kadu	Member
4	Mr. S. Kapse	Member
5	Dr. M.N. Lokhande	Member
6	Dr. S.S. Battalwar	Member
7	Prof. Shital Bhende	Member
8	Mr. S.M. Bire	Member
9	Mr.V.S.Thawale	Member
10	Mr. M.K. Kadu	Member
11	Mr. C. B. Landge	Member
12	Mr. G. Jakhare	Parent representative
13	Miss. S. Hote	Student representative



Principal  
Matoshri Nanibai Gharphalkar  
Science College, Babhulgaon  
Dist. Yavatmal



## ANNXURE -I



महाराष्ट्र शासकीय मातृश्री घारफळकर विद्यालय  
महाराष्ट्र शासकीय मातृश्री घारफळकर विद्यालय  
आयक क्र. ७६५  
दि. 17/5/2016

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

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

FAX NO. 0721-2660949, 2662135


No.SGBAU/8/C- 67 /2016.

Date: 17-05-2016

### TO WHOM IT MAY CONCERN

*This is to certify that Matoshri Nanibai Gharphalkar Science College, Babhulgaon Dist: Yavatmal, State: (Maharashtra) is affiliated to the Sant Gadge Baba Amravati University, Amravati State: (Maharashtra) since 2008 and recognized by the University Grants Commission and the following Courses / Subjects are taught in the said College as per approval :*

Sr.No.	Name of the Course (s) and Duration	Affiliation		Period of Validity for the year(s)
		Permanent	Temporary	
1.	Three year B.Sc. in English, Marathi, Phisics, Chemistry, Maths, Computer Science, Electronics		Temporary	Upto 2016-17

  
Dy. Registrar (Colle.),  
Sant Gadge Baba  
Amravati University.

**ANNXURE -II**

**Matoshri Nanibai Gharphalkar Science College  
Babhulgaon Dist.Yavatmal**

Dr.A.P.Deshpande  
Principal  
Mob:9404848496  
e-mail:apdeshpande58@gmail.com

Krushna Kadu  
President/Secretary  
Mob:9422167482  
Ph.Office:07203- 270250

**IQAC Cell**

Sr. No.	Name	Designation	Status
1	Dr. A.P.Deshpande	Principal	Chairman
2	Prof. O. K. Kapse	HOD ,Chemistry	Co-ordinator
3	Mr. H. D. Kadu	Management Representative	Member
4	Dr. M.N. Lokhande	Assistant Professor	Member
5	Dr. S.S. Battalwar	Director of Physical Education	Member
6	Prof. Shital Bhende	Assistant professor	Member
7	Mr. S.M. Bire	Head Clerk	Member
9	Mr. M.K. Kadu	Library Attendant	Member
10	Mr. Amol Chore	Peon	Member
11	Mr. Sushil Wagmare	Alumini	Member
12	Mr. Ganesh Jakhare	Parent representative	Member
13	Miss. Snehal Hote	Student representative	Member

*A.P. Deshpande*

Principal  
Matoshri Nanibai Gharphalkar  
Science College, Babhulgaon  
Dist. Yavatmal

## ANNXURE -III

Ph. 23236351, 23232701, 23237721  
23234116, 23235733, 23232317  
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)  
UGC Website: [www.ugc.ac.in](http://www.ugc.ac.in)  
F. No. 8-650/2011 (CPP-I/C)



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

September, 2012

The Registrar,  
Sant Gadge Baba Amravati University,  
Amravati - 444 602  
Maharashtra.

7 SEP 2012

Sub: - Recognition of College under Section 2 (f) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter No. NIL, dated 14-05-2012 received from the Principal, **Matoshri Nanibai Gharphalkar Science College, Babhulgaon, Dist. Yavatmal - 445 101, Maharashtra** on the above subject and to say that it is noted that the College is **Aided** and on **Temporary** affiliation to **Sant Gadge Baba Amravati University, Amravati**. I am further 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 **Master's Degree**:-

Name of the College	Year of Establishment	Remarks
Matoshri Nanibai Gharphalkar Science College, Babhulgaon, Dist. Yavatmal - 445 101, Maharashtra.	2008	The college does not fulfill the requirement of permanent affiliation. Therefore, the college is not eligible to receive Central assistance under Section 12 (B) of the UGC Act, 1956.

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

Yours faithfully,

(Raksha Pahwa)  
Under Secretary

Copy to:-

1. The Principal, Matoshri Nanibai Gharphalkar Science College, Babhulgaon, Dist. Yavatmal - 445 101, Maharashtra.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education & Higher Education, Shastri Bhavan, New Delhi - 110 001
3. The Principal Secretary, Tech. & Higher Education Deptt., Government of Maharashtra, Mantralaya, Annexe Building, Mumbai - 400 032, (Maharashtra).
4. The Deputy Secretary, UGC, Western Regional Office (WRO), Ganeshkhind, Poona - 411 007, (Maharashtra).
5. Publication Officer, (UGC-Website), New Delhi.
6. Section Officer (F.D.-III Section) U.G.C., New Delhi.
7. Guard file.

(Sunita Gulati)  
Section Officer

Principal  
Matoshri Nanibai Gharphalkar  
Science College, Babhulgaon  
Dist. Yavatmal

**Sant Gadge Baba Amravati University, Amravati**

Name and address of the college	Status	Year of Estb.	Nature of Affiliation	Teaching Upto	Govt or Non Govt	Aided or Unaided
<b>Madhukarrao Pawar Arts College</b> Murtizapur Dist. Akola – 444 107 Maharashtra	2(f) and 12(B)	2001	Permanent	Bachelor's	Non Government	Aided
<b>Mahant Dattaram Bharti Arts and Commerce College</b> Ami Dist. Yavatmal Maharashtra	2(f)	1984	Temporary	Bachelor's	Non Government	
<b>Mahatma Phule Arts &amp; Commerce and S.R.C. Science College</b> Warud Dist. Amravati Maharashtra	2(f) and 12(B)	1960	Permanent	Master's	Non Government	
<b>Mahatma Jyotiba Fule Arts &amp; Commerce Mahavidyalaya</b> Bhatkuli, Dist. Amravati Maharashtra	2(f) and 12(B)	1993	Permanent	Bachelor's	Non Government	
<b>Mahatma Jyotibha Fule Mahavidyalaya</b> Amravati - 444 605 Maharashtra	2(f) and 12(B)	2000	Permanent	Bachelor's	Non Government	
<b>Mahila Arts, Commerce College</b> Chandur Rly, District Amravati Maharashtra	2(f) and 12(B)	1991	Permanent	Bachelor's	Non Government	
<b>Mahila Mahavidyalaya</b> Amravati Dist. Amravati Maharashtra	2(f) and 12(B)	1965	Permanent	Master's	Non Government	
<b>Matoshree Vimalabai Deshmukh Mahavidyalaya</b> Amravati - 444 604 Maharashtra	2(f) and 12(B)	1971	Permanent	Bachelor's	Non Government	
<b>Matoshri Nanibai Gharphalkar Science College</b> Babhulgaon, Dist. Yavatmal – 445 101 Maharashtra	2(f)	2008	Temporary	Master's	Non Government	Aided
<b>Matoshri Shantabai Gote Arts, Commerce &amp; Science College</b> Washim – 444 505, Dist. Washim Maharashtra	2(f) and 12(B)	2000	Permanent	Bachelor's	Non Government	Aided

As on 31.03.2016

CPP-I/C

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## ANNXURE -IV

तालुक्यातील एकमेव विद्याशाखेस  
१००% अनुदान मंजूर करणेबाबत

### महाराष्ट्र शासन

### उच्च व तंत्र शिक्षण विभाग

शासन आदेश क्रमांक : अनुदान २०१५/(१४९/१५)/मशि-४

मंत्रालय विस्तार भवन, मुंबई ४०० ०३२

दिनांक : १३ ऑगस्ट, २०१५.

- महा : १) शासन निर्णय क्रमांक एनजीसी २००७/(१६४/०७)/मशि ३, दि. ४ फेब्रुवारी, २००८.  
२) शासन निर्णय क्र. एनजीसी २००८/(२५५/०८)/मशि ३, दि. १५/७/२००८.  
३) संचालक, उच्च शिक्षण, यांचे पत्र क्र. एनजीसी/२०१४/ताएकमेवअनुदान/पोपीटी/  
मवि-२/७१८५, दि. २४ ऑगस्ट, २०१४.  
४) संचालक, उच्च शिक्षण, यांचे पत्र क्र. एनजीसी/२०१३/ताएकमेवअनुदान/पीपीटी/  
मवि-२/७५५५, दि. ५ सप्टेंबर, २०१४.

**प्रस्तावना :-** प्रत्येक तालुक्यात एक महाविद्यालय / विद्याशाखा १००% अनुदानावर असावी हे धोरण शासनाने शासन निर्णय, दिनांक ४ फेब्रुवारी २००८ अन्वये स्विकारले आहे. त्यानुसार यवतमाळ जिल्ह्यातील बाभुळगाव तालुक्यात अनुदानित विज्ञान शाखा कार्यरत नसल्याने सदर विद्याशाखा अनुदानावर आणण्याची बाब शासनाच्या विचाराधीन आहे.

### शासन निर्णय :-

शासनाने बाभुळगाव तालुक्यातील सुदाम शिक्षण प्रसारक मंडळ, यवतमाळ संचलित मातोश्री नानीबाई धारफळकर विज्ञान महाविद्यालय, ता. बाभुळगाव, जि. यवतमाळ या महाविद्यालयातील विज्ञान विद्याशाखेस तालुक्यातील एकमेव अनुदानित विद्याशाखा / महाविद्यालय योजनेतर्गत शासन निर्णय दि. ५.८.२०१० अन्वये अनुदान मंजूर केले होते. तथापि, सदर निर्णयास शिवशक्ती शिक्षण संस्था, वनेडा, ता. बाभुळगाव जि. यवतमाळ या संस्थेने मा. उच्च न्यायालय, नागपुर खंडपीठ, नागपुर येथे याचिका क्र. ३९१४/२०१० अन्वये आव्हान दिले होते. सदर याचिकेमध्ये मा. उच्च न्यायालयाने शासनाचे दि. ५.८.२०१० चे आदेश रद्द करून पुढीलप्रमाणे आदेश दिला आहे. "The impugned order dated 05.08.2010 is, therefore quashed and set aside. Respondents No.1 & 2 are directed to issue fresh advertisement in accordance with law for inviting proposals and then proceed further in the matter." या निर्णयाविरुद्ध सुदाम शिक्षण प्रसारक मंडळ, यवतमाळ यांनी सर्वोच्च न्यायालयात विशेष अनुमती याचिका क्र. २०४१२/२०११ दाखल केली. सदर विशेष अनुमती याचिका सर्वोच्च न्यायालयाने निकाली काढताना उच्च न्यायालयाचा निर्णय कायम ठेवला होता.

उच्च न्यायालय व सर्वोच्च न्यायालयाचे निर्देश पाहता, शासनाने दि. ३०.४.२०१४ रोजी शासनाचे दि. ५.८.२०१० चे आदेश रद्द करताना बाभुळगाव व दि. ५.८.२०१० मधील इतर तालुक्यांसाठी विहित कार्यपद्धतीनुसार पुढील कार्यवाही करण्याचे निर्देश संचालक, उच्च शिक्षण यांना दिले होते. शासनाच्या वरील निर्देशानुसार संचालक, उच्च शिक्षण यांनी दि. ८.७.२०१४ रोजी स्वतंत्र जाहिरात प्रसिद्ध केली होती. प्रस्तुत प्रकरणी शासन निर्णय दि. ४.२.२००८ अन्वये विहित केलेल्या कार्यपद्धतीनुसार प्राप्त झालेला टारक फोर्स समितीचा अहवाल शासनास दि. ५.९.२०१४ रोजी प्राप्त झाला.

सदर अहवालामध्ये टास्क फोर्सने पुढीलप्रमाणे अग्रिप्राय दिलेले आहेत -

कार्यबल गटाने दोन्ही महाविद्यालयास भेट देऊन अहवाल सादर करणेसाठी उपसमितीचे गठन होते, त्यानुषंगाने कार्यबल गट सुदाम शिक्षण प्रसारक मंडळ, यवतमाळ या संस्थेचे मातोश्री नानीबाई धारफळकर विज्ञान महाविद्यालय, ता. बाभुळगाव जि. यवतमाळ या महाविद्यालयास विज्ञान विद्याशाखेस खालील अटीवर अनुदान देण्याबाबत शिफारस केलेली आहे.

या महाविद्यालयाचे राष्ट्रीय संस्था, बॅंगलोर यांचेकडून नॅक मुल्यांकन झाल्यानंतर नॅक मुल्यांकन झाल्याबाबत या राष्ट्रीय संस्थेकडून नॅक मुल्यांकन झाल्याबाबतचे प्रमाणपत्र दिलेल्या तारखेपासून विज्ञान विद्याशाखेस अनुदान देय राहिल. अशी शिफारस केलेली असून सदरची शिफारस निव्वळ गुणवत्तेवर केलेली आहे.


वरील पार्श्वभूमी व टास्क फोर्सची शिफारस विचारात घेवून सुदाम शिक्षण प्रसारक मंडळ संचालित मातोश्री नानीबाई धारफळकर विज्ञान महाविद्यालय, ता. बाभुळगाव, जि. यवतमाळ या महाविद्यालयाच्या विज्ञान शाखेस "तालुक्यातील एकमेव योजनेतर्गत १००% अनुदान" या योजनेखाली सदर महाविद्यालयाच्या विज्ञान शाखेस १००% अनुदान मंजूर करण्यास खालील अटी व शर्तीच्या अधीन राहून मान्यता देण्यात येत आहे.

अटी व शर्ती :

- सुदाम शिक्षण प्रसारक मंडळ संचालित मातोश्री नानीबाई धारफळकर विज्ञान महाविद्यालय, ता. बाभुळगाव, जि. यवतमाळ या संस्थेस राष्ट्रीय संस्था बॅंगलोर यांचेकडून ज्या दिनांकापासून नॅक मुल्यांकन प्राप्त होईल त्या दिनांकापासून सदर विज्ञान शाखेस अनुदान देय राहिल. संस्थेला नॅक मुल्यांकन प्राप्त झाल्याची खातरजमा सहसंचालक, उच्च शिक्षण विभाग, अमरावती यांनी करावी.
- विद्यापीठाने विहित केलेल्या निकषानुसार व विद्यापीठ अनुदान आयोगाने विहित केलेल्या शैक्षणिक पात्रतेनुसार महाविद्यालयाने, अध्यापक वर्ग / कर्मचारी वर्ग (पूर्णवेळ प्राचार्य / ग्रंथपाल / शिक्षक) नेमणे आवश्यक असून अशाप्रकारे नियमानुसार पात्र व विहित केलेल्या मार्गाने नियुक्त झालेल्या कर्मचाऱ्यांच्या वेतनासाठीच अनुदान देय राहिल.
- महाविद्यालयाने कोणत्याही परिस्थितीत मंजूर प्रवेश क्षमतेपेक्षा जास्त प्रवेश देऊ नयेत.
- महाविद्यालयाने शासन परिपत्रक क्रमांक एनजीसी- ३५९३/५४४३/विशि२, दिनांक २४ सप्टेंबर १९९३ अन्वये विहित केलेले विद्यार्थी संख्येचे निकष पूर्ण करणे आवश्यक आहे. ते पूर्ण न केल्यास अनुदान देय राहणार नाही.
- महाविद्यालयाने / व्यवस्थापनाने शिक्षक व शिक्षकेतर कर्मचाऱ्यांना शासनाने विहित केलेल्या सेवाशर्ती व वेतनश्रेण्या लागू केलेल्या असल्या पाहिजेत.
- महाविद्यालयाने शासनाच्या वेळोवेळी मिळालेल्या / निर्गमित होणाऱ्या आदेशांचे / अध्यादेशांचे (विद्यार्थी प्रवेश, गुणवत्ता, संवर्गनिहाय आरक्षण व शिक्षण शुल्क इ.) काटेकोर पालन करणे बंधनकारक राहिल.
- संस्थेत गैरप्रकार, शिक्षक निवडीमध्ये गैरप्रकार, संस्थेच्या पदाधिकाऱ्यांवर गुन्हेगारी स्वरूपाचे खटले अशा बाबी प्रलंबित नसल्याबाबत संबंधित सहसंचालक, उच्च शिक्षण यांनी खात्री करावी व तशी खात्री झाल्यानंतरच अनुदान वितरीत करावे, तसेच त्या संस्थेमध्ये अशाप्रकारचे कोणतेही गैरप्रकार नसल्याबाबत संबंधित संस्था / महाविद्यालयाने त्यांच्या विभागीय सहसंचालकांकडे रु.१००/- च्या नॉन ज्युडीशियल स्टॅम्प पेपरवर लेखी हमीपत्र सादर करावे.
- दुर्गम व डोंगराळ ठिकाणी असणाऱ्या महाविद्यालयातील विद्यार्थ्यांसाठी वसतीगृहाची सोय संस्थेने स्वखर्चाने करावी.

९. महाविद्यालयास देण्यात येणारे अनुदान महालेखापाल / शासन यांच्या तपासणीस व लेखापरिक्षणास पात्र राहिल.
१०. महाविद्यालय / विद्याशाखेस संलग्नीकरण देण्यापूर्वी विद्यापीठाने शासनाने दि. ०२.०९.२०१३ च्या शासन निर्णयामध्ये विहित केलेल्या अटी व शर्तीची पूर्तता केल्याची खात्री करावी व नंतरच संलग्नीकरण द्यावे. तसेच सदर निकषांची पूर्तता केल्याशिवाय सदर विद्याशाखांना अनुदान वितरीत न करण्याची खबरदारी संबंधित सह संचालकांनी घ्यावी.

यावरील खर्च " मागणी क्र. डब्ल्यू- २, २२०२- सर्वसाधारण शिक्षण, ०३- विद्यापीठीय व उच्च शिक्षण, १०४-अशासकीय महाविद्यालयांना व संस्थांना सहाय्य, (०१) (०१) - अशासकीय वाड्.मय, विज्ञान, वाणिज्य व विधी महाविद्यालयांना अनुदाने (२२०२ ०८७२), ३६- सहाय्यक अनुदाने (वेतन) या लेखाशिर्षाखाली मंजूर असलेल्या तरतूदीतून भागविण्यात यावा.

  
(रघुनाथ अहिरे)

कक्ष अधिकारी, महाराष्ट्र शासन

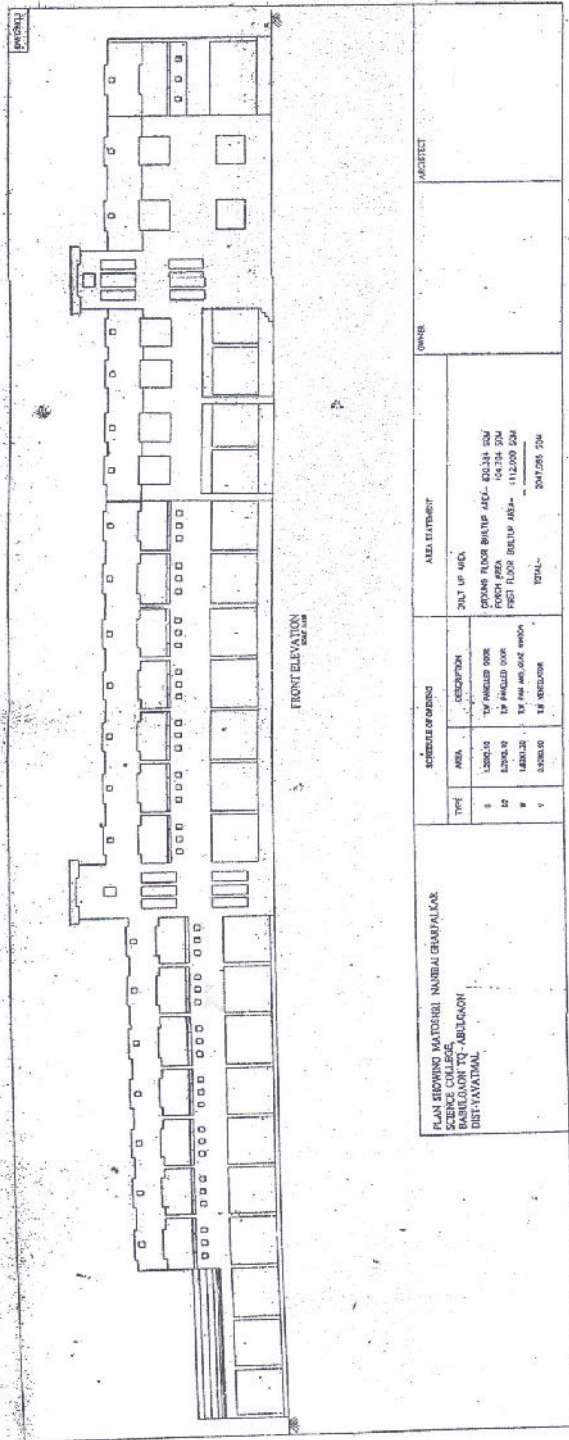
प्रत :

- १) संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे
- २) विभागीय सहसंचालक, उच्च शिक्षण, अमरावती विभाग, अमरावती
- ३) कुलसचिव, संत गाडगेबाबा अमरावती विद्यापीठ, अमरावती
- ४) महालेखापाल (लेखा व अनुज्ञेयता), महाराष्ट्र १/२, मुंबई / नागपूर
- ५) जिल्हा कोषागार अधिकारी, यवतमाळ
- ६) सुदाम शिक्षण प्रसारक मंडळ, यवतमाळ संचलित मातोश्री नानीबाई धारफळकर विज्ञान महाविद्यालय, ता. बाभुळगाव, जि. यवतमाळ
- ७) निवडनस्ती - गशि ४

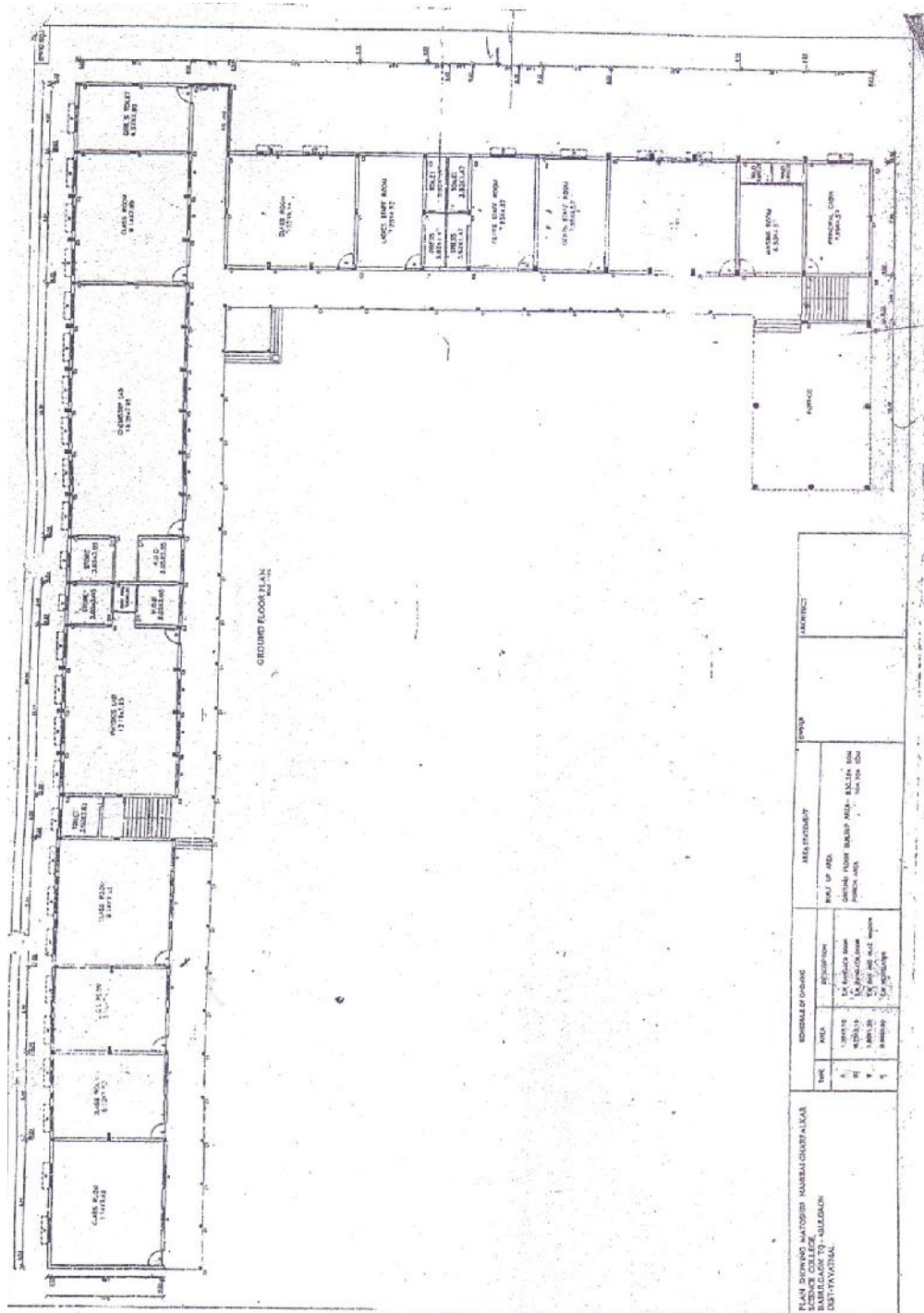


Principal  
Matoshri Nanibai Gharphalkar  
Science College, Babhulgaon  
Dist. Yavatmal

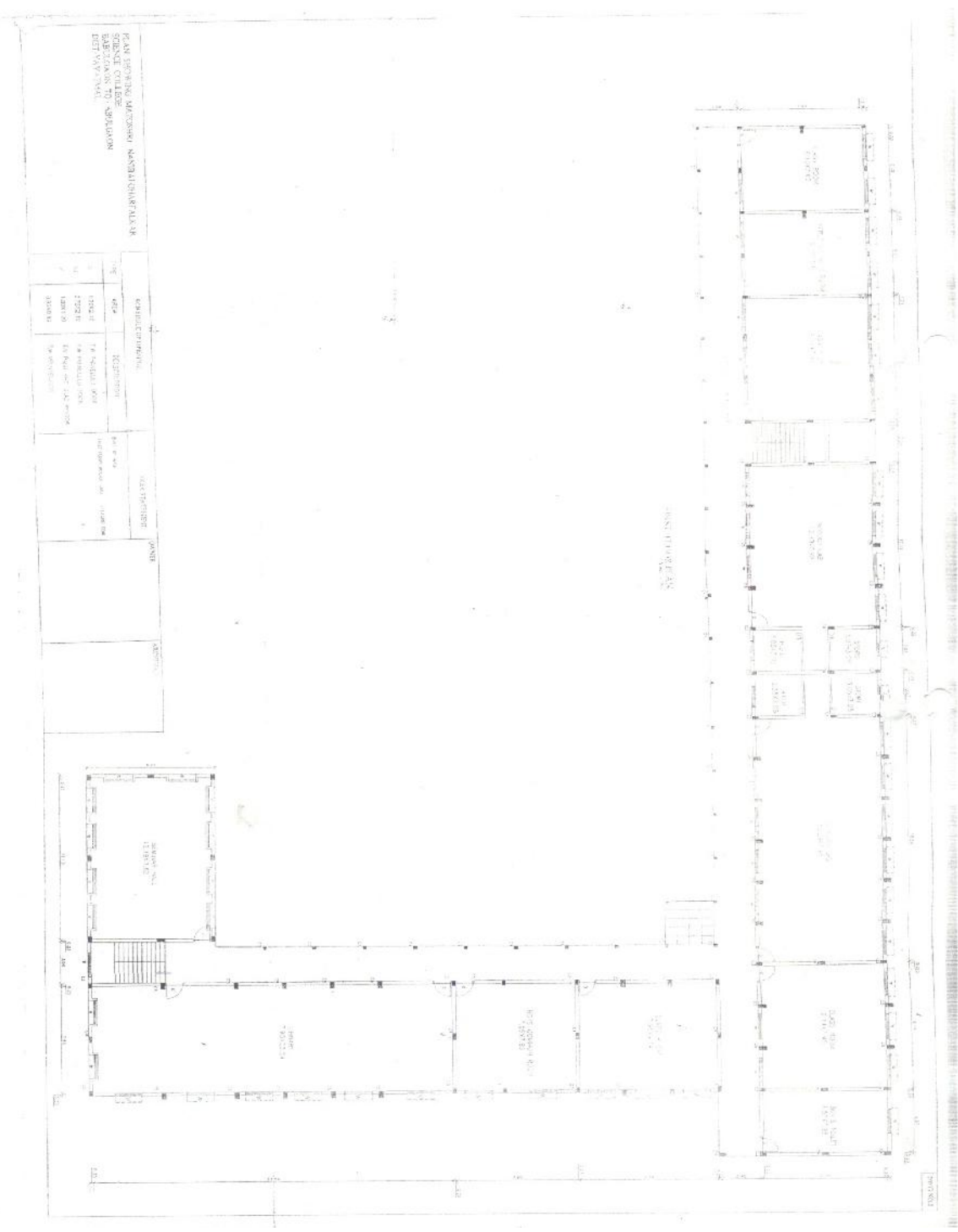
# ANNXURE -V







PLAN SHOWING MATOSHRI NANBAI GHAT AKAAR BARBERGAON TO - AULGAON DIST-YAVATMAL		AREA ESTIMATE 1000 SQ. FT. 1000 SQ. FT.	WORKS 1000 SQ. FT.	AMOUNT 1000 SQ. FT.
GENERAL OF WORKS 1. 1000 SQ. FT. 2. 1000 SQ. FT. 3. 1000 SQ. FT. 4. 1000 SQ. FT. 5. 1000 SQ. FT.	PART OF AREA 1000 SQ. FT.	1000 SQ. FT.	1000 SQ. FT.	1000 SQ. FT.







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FEE PAID TO SANT GADGE BABA

AMT. UNIVERSITY :

Affiliation Fee	10000.00	
Enrolment Fee	2000.00	
Gazet Fee	1000.00	
Sport Fee	2200.00	
Aswamedh Fee	2550.00	
Annual Fee	4400.00	
Student Safety Insurance Fee	850.00	
Student Council Activiti Fee	440.00	
Student Welfare Fund	880.00	
Contri to Emergency Fund	850.00	
Exam Fee	110375.00	
Corpus Fund	425.00	
Enrolment Form Fee	200.00	
Student Fee	6132.00	
New Course Fee	5000.00	
Exam Form Fee	1005.00	
Admission Fee	2000.00	
Cultural Activity Fee	1600.00	
Affiliation Form Fee	200.00	152107.00

SURPLUS CARRIED OVER TO B/S : 25507.00

0.00 TOTAL RS. 3929997.00 TOTAL RS. 3929997.00

AS PER OUR REPORT OF EVEN DATE.

PLACE : YAVATMAL  
DATED : 08/11/2013

PRINCIPAL

RAJENDRA GATLEWAR  
AUTHORISED AUDITOR



ADV. RAJENDRA GATLEWAR  
Near Pragat Jai Hanuman Mandir,  
Nehru Chowk, Yavatmal 445001  
M.9422865176, T. 07232 -246176

MATOSHRI NANIBAI GHARPHALKAR SCIENCE COLLEGE BABHULGAON,  
TQ. BABHULGAON, DIST, YAVATMAL. (SENIOR COLLEGE)  
RUN UNDER SHRI SUDAM SHIKSHAN PRASARK MANDAL, BABHULGAON, TQ. BABHULGAON,  
DIST. YAVATMAL, R.NO. F- 909  
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31ST MARCH 2014

EXPENDITURE	AMOUNT	INCOME	AMOUNT
To,		By,	
EXPENDITURE IN RESPECT OF		RENT :	Nil
PROPERTY :	Nil	AGRIULTURE INCOME :	Nil
SALARY TO TEACHING STAFF :		LAND RENT :	Nil
Basic Pay	132680.00	INTEREST ON BANK A/C:	2026.00
Grade Pay	48000.00	DIVIDEND :	Nil
D.A.	179758.00	DONATION IN CASH / KIND	Nil
H.R.A.	18068.00	GRANT IN-AID FROM JOINT DIRECTOR	
V.A.	6400.00	HIGHER EDUCATION AMT DIV. AMT :	
Arriars	<u>400000.00</u>	Salary	3941581.00
	784906.00	Remuneretion CHB	<u>402300.00</u> 4343881.00
SALARY TO NON- TEACHING STAFF :		G.O.I. FEE FROM SWO YTL.:	141098.00
Basic Pay	698160.00	INCOME FROM OTHER SOURCES:	
Grade Pay	201600.00	COLLECTION FROM STUDENT	
D.A.	872012.00	Exam Fee	104030.00
H.R.A.	89976.00	Other Fee	<u>41800.00</u> 145830.00
V.A.	14600.00	RECEIVED FROM AMT UNIVERSITY :	
Arriars	<u>1280327.00</u>	Exam Fee	35000.00
	3156675.00	TRANSFERS FROM RESERVE :	Nil
REMUNERATION CHB TO TEACHING STAFF :		DEFICIT CARRIED OVER TO B/S:	272287.00
Granted	286800.00		
Non-Granted	<u>193000.00</u>		
	479800.00		
ADMINISTRATIVE EXPENSES :			
Stationery & Printing	25077.00		
Zerox & Typing	1477.00		
Travelling	14620.00		
Telephone	6963.00		
Transprtation	1630.00		
Repairs to Computer	15525.00		
Repairs & Maintanace	49426.00		
Audit Fee	2500.00		
Account Fee	2500.00		
Meeting	685.00		
Advertisement	37560.00		
Postege	1790.00		
Office Cloth	24300.00		
Bank Commission	888.00		
Electric	21973.00		
News Paper	4000.00		
Miscellaneous	<u>560.00</u>		
	211474.00		
EDUCATIONAL EXPENSES :			
Ground Levelling	39100.00		
Exam Fee	10000.00		
Festival	30.00		
Committi	<u>3750.00</u>		
	52880.00		

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FEE PAID TO SANT GADGE BABA  
AMT. UNIVERSITY :

Affiliation Fee	20000.00	
Enrolment Fee	10000.00	
Gazet Fee	1000.00	
Sport Fee	7850.00	
Aswamedh Fee	4710.00	
Annual Fee	7850.00	
Student Safety Insurance Fee	1570.00	
Student Council Activiti Fee	785.00	
Student Welfare Fund	1570.00	
Contri to Emergency Fund	1570.00	
Exam Fee	178597.00	
Corpus Fund	785.00	
Registration Fee	500.00	
Entry Fee	500.00	
New Course Fee	15000.00	
Exam Form Fee	800.00	
Cultural Activity Fee	1100.00	
Affiliation Form Fee	200.00	254387.00

SURPLUS CARRIED OVER TO B/S : Nil

0.00 TOTAL RS. 4940122.00 TOTAL RS. 4940122.00

AS PER OUR REPORT OF EVEN DATE.

PLACE : YAVATMAL  
DATED : 12/07/2014

PRINCIPAL

*Rajendra Gattewar*

RAJENDRA GATLEWAR  
AUTHORISED AUDITOR



**ADV. RAJENDRA GATLEWAR**  
**AUTHORISED AUDITOR**  
Near Pragat Jai Hanuman Mandir,  
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M.9422865176, T. 07232 -246176

MATOSHRI NANIBAI GHARPHALKAR SCIENCE COLLEGE BABHULGAON,  
TQ. BABHULGAON, DIST. YAVATMAL. (SENIOR COLLEGE)  
RUN UNDER SHRI SUDAM SHIKSHAN PRASARK MANDAL, BABHULGAON, TQ. BABHULGAON,  
DIST. YAVATMAL, R.NO. F- 909  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31ST MARCH 2015**

EXPENDITURE	AMOUNT	INCOME	AMOUNT
To,		By,	
EXPENDITURE IN RESPECT OF		RENT :	Nil
PROPERTY :	Nil	AGRIULTURE INCOME :	Nil
REMUNERATION TO TEACHERS :	452000.00	LAND RENT :	Nil
ADMINISTRATIVE EXPENSES :		INTEREST ON BANK A/C:	377.00
Stationery & Printing	24960.00	DIVIDEND :	Nil
Zerox & Typing	4085.00	DONATION IN CASH / KIND :	Nil
Travelling	10750.00	GRANT IN-AID :	Nil
Telephone	25771.00	INCOME FROM OTHER SOURCES:	
Transprtation	2350.00	COLLECTION FROM STUDENT	
Repairs to Computer	30617.00	Exam Fee	245185.00
Audit Fee	2500.00	Other Fee	145423.00
Account Fee	2500.00		390608.00
Meeting	2462.00	TRANSFERS FROM RESERVE :	Nil
Advertisment	7400.00	DEFICIT CARRIED OVER TO B/S:	2077039.00
Postage	363.00		
Office Cloth	9907.00		
Bank Commission	1935.00		
Electric	90869.00		
News Paper	10090.00		
Repairs To Building	1040331.00		
Colouring	161270.00		
Internet Charges	11201.00		
Hamali	5550.00		
Gardan	1510.00		
Poster Presentation	140.00		
Miscellaneous	1260.00		
			1447821.00
EDUCATIONAL EXPENSES :			
Ground Levelling	75650.00		
Exam	23900.00		
Cultural Programme	19062.00		
Committi	9807.00		
Gass	1000.00		
E-Work Shop	3935.00		
Mati Training Programme	4282.00		
Practical Exam	5250.00		
NSS Camp	15000.00		
Seminar	21221.00		
NAAC Registration Fee	28090.00		
Sport	6000.00		
Proposal	2200.00		
Parent Meeting	135.00		
			215532.00
			..2..





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FEE PAID TO SANT GADGE BABA

AMT. UNIVERSITY :

Affiliation Fee	15000.00	
Enrolment Fee	12900.00	
Gazet Fee	1000.00	
Sport Fee	10450.00	
Aswamedh Fee	6270.00	
Annual Fee	10450.00	
Student Safety Insurance Fee	2090.00	
Student Council Activiti Fee	1045.00	
Student Welfare Fund	2090.00	
Contri to Emergency Fund	2090.00	
Exam Fee	255641.00	
Corpus Fund	1045.00	
Registration Fee	500.00	
Entry Fee	1800.00	
New Course Fee	10000.00	
Cultural Activity Fee	700.00	
Affiliation Form Fee	500.00	
Confarance Fee	2300.00	
Journal Fee	16800.00	352671.00

SURPLUS CARRIED OVER TO B/S : Nil

0.00 TOTAL RS. 2468024.00 TOTAL RS. 2468024.00

AS PER OUR REPORT OF EVEN DATE.

PLACE : YAVATMAL  
DATED : 29/08/2015

PRINCIPAL



RAJENDRA GATLEWAR  
AUTHORISED AUDITOR



**ADV. RAJENDRA GATLEWAR  
AUTHORISED AUDITOR**

Near Pragat Jai Hanuman Mandir,  
Nehru Chowk, Yavatmal 445001  
M.9422865176, T. 07232 -246176

**MATOSHRI NANIBAI GHARPHALKAR SCIENCE COLLEGE BABHULGAON,  
TQ. BABHULGAON, DIST, YAVATMAL. (SENIOR COLLEGE)  
RUN UNDER SHRI SUDAM SHIKSHAN PRASARK MANDAL, BABHULGAON, TQ. BABHULGAON,  
DIST. YAVATMAL, R.NO. F- 809  
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31ST MARCH 2016**

EXPENDITURE	AMOUNT	INCOME	AMOUNT
To,		By.	
EXPENDITURE IN RESPECT OF		RENT :	
PROPERTY :	Nii	BUILDING RENT :	35000.00
REMUNERATION TO CHB :	430000.00	AGRIULTURE INCOME :	Nii
ADMINISTRATIVE EXPENSES :		LAND RENT :	Nii
Stationery & Printing	21305.00	INTEREST :	
Zerox & Typing	2680.00	On Reserve Fund A/c	150607.00
Travelling	38426.00	On Bank A/c	<u>1756.00</u>
Telephone	21232.00		152363.00
Transprtation	600.00	DIVIDEND :	Nii
Repairs to Computer	5220.00	DONATION IN CASH / KIND :	Nii
Audit Fee	3000.00	GRANT IN-AID :	
Account Fee	3000.00	G.O.I. FEE FROM SWO YTL.:	636360.00
Meeting	195.00	RECEIVED FROM AMT UNIVERSITY :	
Advertisement	22500.00	Exam Centre Exp.	36823.00
Postage	2034.00		
Rubber Stamp	950.00		
Bank Commission	2122.71		
Electric	30100.00		
News Paper	11556.00		
Repairs To Building	349530.00		
Digital Sine	2500.00		
Gardan	1790.00		
Poster Prezentation	315.00		
Miscellaneous	<u>14047.00</u>		
	531102.71		
EDUCATIONAL EXPENSES :			
Ground Levelling	6300.00		
Cultural Programme	4936.00		
Committi	6500.00		
Gust Lecture Fee	9000.00		
Practical Exam	10000.00		
Seminar	122178.00		
NAAC Registration Fee	28920.00		
Parent Meeting	2300.00		
Exam Centre Exp.	<u>36820.00</u>		
	226954.00		

..2..



FEE PAID TO SANT GADGE BABA	
AMT. UNIVERSITY :	
Affiliation Fee	5000.00
Ashwamegh Fee	5490.00
Central Valuation Fee	32800.00
Emergency Fund Fee	1830.00
Enrollment Fee	12400.00
Ex.Candidate Fee	41570.00
Late Fee	18175.00
Mentenance Allowance	3780.00
Practical Exam Fee	34322.00
Student Safety Insurance	1830.00
Student Welfare Fund Fee	1830.00
Uni.Annual Fee	12810.00
Uni.Student Council Fee	915.00
Exam Fee	139428.00
Gazet Fee	1000.00
Affiliation Form Fee	700.00
Cultural Activity Fee	1900.00
Entry Fee	2200.00
New Course Fee	15200.00
Parmanat Affiliation Fee	10000.00
Registration Fee	3100.00
Corpus Fund Fee	915.00
Sport Fee	9150.00

356345.00

SURPLUS CARRIED OVER TO B/S :

...2...

INCOME FROM OTHER SOURCES:  
COLLECTION FROM STUDENT

Ashwamegh Fee	5490.00
Central Valuation Fee	32800.00
Emergency Fund Fee	1830.00
Enrollment Fee	12400.00
Environmental Study Fee	1215.00
E-Suvida Fee	8050.00
Ex.Candidate Fee	41645.00
Extra Curricular Fee	3690.00
Facilities Fee	7600.00
Indentity Card Fee	1000.00
Laboratory Fee	36940.00
Late Fee	17475.00
Magazine Fee	330.00
Other Fee	530.00
Physical Efficiency Fee	210.00
Poor Boys Aid Fund Fee	1560.00
Practical Exam Fee	34322.00
Student Aid Fund Fee	750.00
Student Safety Insurance	1835.00
Student Welfare Fund Fe	1860.00
Tution Fee	96900.00
Uni.Annual Fee	11190.00
Uni.Student Council Fee	935.00
Vehicle Stand Fee	3295.00
Exam Fee	126538.00
Corpus Fund Fee	915.00
Sports Fee	7320.00

Nil

458625.00

TRANSFERS FROM RESERVE :

Nil

DEFICIT CARRIED OVER TO B/S:

225230.71

0.00

TOTAL RS.

1544401.71

TOTAL RS.

1544401.71

AS PER OUR REPORT OF EVEN DATE

PLACE : YAVATMAL  
DATED : 13/05/2016

PRINCIPAL

*Rajendra Gatlewar*  
RAJENDRA GATLEWAR  
AUTHORISED AUDITOR



ANNXURE -VII

