



# Self-Study Report

For Institutional Re-Accreditation

**(Cycle-2)**



Submitted to

**National Assessment and Accreditation Council**

P.O. Box. No. 1075, Nagarbhavi, Bangalore 560072



Maharogi Sewa Samiti, Warora's

**Anand Niketan College of Science, Arts and Commerce**

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## NAAC STEERING COMMITTEE

S.N.	Name of the Members	Designation
01	Dr. M.C. Kale	Principal & Chairman
02	Dr. V.D. Bhandakkar	Co-ordinator (HOD, Electronics)
03	Dr. M.S. Deshpande	Advisor (HOD, Physics)
04	Dr. A.P. Sawane	Advisor (HOD, Zoology)
05	Mr. V.S. Dhabarde	Member (Associate Prof. Physics)
06	Dr. G.K. Singh	Member (Associate Prof. Electronics)
07	Dr. P.N. Bagde	Member (HOD, Chemistry)
08	Mr. A.B. Dhoke	Member (HOD, History)
09	Dr. Sau. R.H. Lad	Member (HOD, Sociology)
10	Mr. S. D. Petkar	Member (HOD, Botany)
11	Mr. T. N. Sutey	Member (HOD, Political Science)
12	Mr. A. D. Jiwatode	Member (O.S.)

## PREFACE

We feel immensely elated to submit the Self-Study Report to National Assessment and Accreditation Council, Bangalore. With the advent of new era, in the Post-Independence India, higher education got formative impetus and limpid efforts began to be made to incorporate requisite changes so as to paste it prominently on the global format of academic excellence. New inclusions in the syllabi, buttressed by the contemporary outputs cropping up in the far-off corners of the greener pasture, and venturing in to the untrodden avenues, began to be experimented with. Technological know – how attained concurrent supremacy with non-technical, non-professional streams of knowledge accompanying the human race since the dawn of its intellectual overtures.

Our college, Anand Niketan College of Arts, Commerce and Science, Anandwan, is the academic, intellectual face of Maharogi Sewa Samiti, Anandwan, the Eden Garden for the lame and leprosy-patients, the devoid and the destitute, the deaf and the dumb, founded by Padma Vibhushan Baba Amte. Set up in 1949, Maharogi Sewa Samiti, Anandwan is probably the only institution on planet that recasts the hidden and untapped energy of the most neglected and least cared segment of humanity in to potential use. Housed in 220 hectares of arid rocky land, Anandwan has grown into colossus. Baba Amte and his equally devoted wife, venerable Sadhanatai, have become the embodiment of love and devotion to the inmates of Anandwan, who were mostly the outcast and the thrown-away. Baba's name and workaholic fumes have risen today to the celestial horizons. Hope, Dignity and Self-Respect have become the respective synonyms of Rousseau's Liberty, and Fraternity, "Charity destroys, work builds" has become the guiding spirit and Baba has succeeded in weaving a large and well-defined-refined family of orthopedically handicapped, visually impaired, hearing and speech crippled, young school dropouts and abandoned.

Today, Anandwan has grown in to a multidimensional, institution that houses 4000 disabled and disadvantaged people on different sites, all engaged fruitfully in 49 divergent and productive traits and disciplines, such as, agriculture, industrial production, textile, printing, handicrafts, leather-crafts, workshop etc. and Baba still nourishes the deprived and caresses the detoned.

As permeates through the history, great men never stroll on trodden path. Baba, too erected his pavements and trod upon them into varied avenues nursing various sectors, where there was wound, Baba's hands were at work. When it was torrid path of knitting India together, he embarked on with the slogan "BHARAT JODO" and measured the length and breadth of the huge country from the sea to the summit. And when it was the cause of dislocated humanity, in the terrains of Narmada, he did not remain complacent and took up the issue with the overwhelming zeal.

Public adulation and global honours are not alien to Baba Amte. To mention a few, Baba Amte is adorned with Padmashree (1971), Magsaysay Award (1985), Padma Vibhushan (1986), U.N. Human Rights Award (1988), Templeton Prize (1990), Gandhi Peace Prize (1999), Dr. Ambedkar International Award (1999) and innumerable degrees (Honoris Causa) are some of the honours showered upon Baba. He continues to be harbinger of love and care.

Anand Niketan College of Arts, Commerce and Science, Anandwan, the embodiment of Baba's creative intellectuality, came into being on June 20, 1964 and since then it has been known for academic excellence, inventive pursuits, and athletic dynamism. This magnificence in curricular and extra-curricular avenues has persisted to its bloom, and scaled new heights with maturing years. Our College is a multi-stream institution catering to the needs of the young minds primarily from the rural areas. Attractive building, well equipped laboratories, a ply-ground with multi-utility outfield, centralized library with computer and over 44000 books, fully developed campus with green pastures and floral varieties, multi-purpose Auditorium guest house

attached with Anandwan, decently maintained lavatories are the asset our college takes pride in. However, any educational institution cannot be enlivened only with bricks and mortar. Real grace lies with the professional expertise and edifying devotion of the teachers. Paramountcy of the teachers is unswerving in the realm of academic exploration. Our college has got mosaic of proficient, competent and academically elevated teachers, amongst which 15 have Ph.D. and 06 M.Phil. degrees. Greatly enthused members of the non-teaching staff are there to extend their services to the faculty.

Management, under the dynamic leadership of Dr. Vikas Amte, Secretary, Maharogi Sewa Samiti, Anandwan, is invariably there to offer its caressing hand to the college establishment. Devotion to the cause and utmost precision in task-mastership of the management has always been a source of inspiration to those who matter in the college premises.

In accordance with the guidelines formulated by Local Management Council (LMC) of the college, the Principal, for the preparation of Self-Study Report (SSR), founded a Steering Committee, with Dr. V. D. Bhandakkar as the Co-ordinator. The Steering Committee drew a proper framework and decided upon the parameters to be incorporated for unhindered co-ordination of the work. Various sub-committees were set up to collect relevant information and requisite data from varied units and sub units active within the periphery of the college. Office work was co-ordinated by Mr. A. D. Jiwatode Office Superintendent, Anand Niketan College.

Preparation of Self-Study Report is a stupendous work, which requires friendly co-operation from all who matter, proper co-ordination among the units and sub-units, and systematic presentation of strengths and weaknesses. The Steering Committee could succeed in its efforts only because of the invaluable co-operation and leadership skill of our Principal and the entire staff.

Last but not the least, the entire endeavour of the Steering Committee, and the members of teaching and non-teaching staff would have gone to



nullity, had there not been the shaping hands of Honourable Dr. Vikas Amte, Secretary, Maharogi Sewa Samiti, Anandwan. It is only because of his colossal presence that the Self-Study Report could find its way to NAAC, Bangalore. With all humility at our command, we acknowledge the invaluable co-operation and elderly blessings of Dr. Vikas Amte and his teammates.

The graphic consists of a central blue horizontal bar with the text "EXECUTIVE SUMMARY" in white, bold, uppercase letters. This bar is flanked by two vertical dark red bars, one above and one below, creating a cross-like shape. The entire graphic is centered on a white background.

# **EXECUTIVE SUMMARY**

## Executive Summary

The prime dictum of National Assessment and Accreditation Council, Bangalore, is to assess and accredit institutions of higher learning with an objective of helping them to work perpetually, and in an unhindered way to improve the quality of education. Keeping in line with the proclaimed agenda of NAAC, our college has prepared the Self-Study Report (SSR), in conformity with the format printed in the NAAC manual.

### Profile of the College:

Infrastructural, administrative, and managerial details are given in the Profile of the College. Its status as an affiliate of Gondwana University, Gadchiroli, position of Grants-in-Aid, academic streams it runs, and the faculty positions are other facets incorporated in the profile. Aim and objectives of the parent body, Maharogi Sewa Samiti, Warora, Anandwan, and their inclusion in the accepted goal of the college as an educational institution are the other factuality. In addition, the mode of fulfilling the goal and rooms for improvement of teaching-learning activities are the other things, which have found place in the profile. The institution caters to diversity of the students and takes utmost care to provide basic higher education to the disadvantaged, rural section of the society. All teaching and non-teaching staff is fully qualified and dedicated to their job and ensures quality education to meet the goals of the institution. The campus is spread over an area of about 26 acres, hosting a large playground, sufficient classrooms, laboratories, library, auditorium and other necessary infrastructure. The institution is eco-friendly, and has the UGC 2f and 12B status. Regular development grants, research projects and special assistance grants are received from UGC. Some key points of the profile are given below.

- Co-educational institution affiliated to Gondwana University, Gadchiroli.
- Established on 20<sup>th</sup> June 1964 with UGC 2f and 12B status.
- Campus has an area of 26.72 acres hosting a large playground, sufficient classrooms, laboratories, library, auditorium and other necessary infrastructure.
- Eco-friendly campus with waste water and solid waste management system.
- Generator, UPS, Inverters and Stabilizers ensures un-interrupted and stable power supply.
- This multi-faculty institution has science, arts and commerce streams and provides flexibility in selecting subjects as per university norms.
- Currently the institution has three UG and five PG programmes with 1808 students of the same State belonging to SC, ST, OBC, EBC, BC and general category.

- The unit cost of education including salary component is Rs. 50157/-.
- The institution has well qualified teaching staff with 15 Ph.D., 06 M.Phil. and 09 PG faculty with NET/SET qualifications.
- Fully qualified supporting non-teaching staff is 42 in number.

**Criterion-wise Inputs:****Criterion-I: Curricular aspects:**

It deals with curricular aspects. Mission of the institution, its relevance and translation into curricula and way of improving the established set-up of teaching-learning activity are streamlined in this criterion.

Distinctive character of the aims and objectives and their usefulness for the social fraternity are given due emphasis. The criterion has the inclusion of the traditional background of the institution, and its vision for the future is highlighted. To achieve the goals and objectives, the curriculum is blended with activities such as Debate, Elocution, NSS, NCC, Loksankhya Shikshan, Mahila Adhyayan wa Sewa Kendra and sports etc. Elective options are available within the specific stream. In science faculty, various combinations that can be opted for are Physics-Chemistry-Mathematics, Physics-Electronics-Mathematics, and Chemistry-Botany-Zoology. In Arts faculty, any three from among a cluster of subjects, such as, Sociology, Political Science, Economics, History, English literature, and Marathi Literature can be offered.

- The institution is established by great visionary Shradheya Baba Amte with the vision to uplift educationally, economically and socially underprivileged people. The mission is made in to reality through objectives that focus on education and skill development.
- Social awareness and value education is realized through various extracurricular activities under the banner of NSS, NCC, Loksankhya Shikshan, Mahila Adhyayan wa Sewa Kendra, Science Association, Nature club, Students Council, Sports activities, Debate, Elocution contests, Celebration of birth anniversaries of Great Personalities etc.
- The faculty makes full use of modern teaching aids for effective implementation of the curriculum.
- At the end of the session, action plan for the next academic session is decided and at the beginning of the session academic calendar and time table is displayed and communicated appropriately. Various activities are monitored throughout the year and wherever necessary extra classes are also taken by the faculty.
- Various workshops are organized when new syllabus is introduced. Guest lectures are organized on different topics and faculty is encouraged to participate in curriculum related workshop, seminars etc. The library is enriched with learning resources to support the faculty for effective teaching-learning process.

- Effective curriculum delivery is ensured by strictly adhering to the academic calendar, regular monitoring by faculty in-charge and providing remedial coaching.
- The institute has introduced UGC-COP in plant tissue culture to generate man power required for industry. Guest lectures from expert faculty are organized and educational tour to industry and institutes of repute are conducted to promote interaction with the beneficiaries for effective operationalization of curriculum.
- Six faculty members of the institution are the Chairman and Members of Board of Studies in various subjects. Three faculty members are member of Academic Council and BUTR of Gondwana University, Gadchiroli. Three faculty members are actively involved in designing of CBCS directions and the syllabi for UG and PG.
- Academic flexibility as given by the university is extended in its full spirit to the students of science, arts and commerce. The students have an option of selecting three subjects from five options in arts, any one group from three groups in science stream.
- Skill based certificate course under UGC –COP and entrepreneurship related short term course in collaboration with Maharashtra Council for Employment Development are effectively implemented.
- The institution has started self-finance courses in English medium UG commerce and PG science streams.
- The wide range of academic flexibility has yielded fruitful results as substantial numbers of students go for higher studies in professional and contemporary PG programmes.
- Co-curricular and extra-curricular activities ensure that academic programmes and institutional goals and objectives are integrated ultimately to make the student realize the importance of self-help, social equality, dignity of labour, gender equality, human rights, and environmental awareness and make them a good citizen.

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

The efforts of the institution to expose the learners to the highly elevated intellectual experiences are the leading aspects of the criterion. The faculty position, the competence of the faculty and the programmes pertaining to the teaching-learning evaluation are comprehensively deliberated. Monitoring the student progress and mechanism for academic excellence, and professional advancement of the faculty are other aspects, which have found room in the criterion. Admission committee finalises the students' admission on merit. Departments, as they deem fit, organise seminars, and tutorials. The institution runs remedial coaching classes under UGC scheme, for the students. In the very beginning of the session, institution prepares academic calendar and teaching plan, and monitors its execution through the Heads of the department. Supplementary teaching aids like LCD projector, OHP, educational CDs, and

Charts are liberally used. On the outset, students are fed well with the information relating to the syllabi, university examination pattern, and the method of evaluation. In the recruitment of faculty, the guide lines of the University and Government of Maharashtra are strictly adhered to. Faculty is encouraged to undertake research and extension activities.

- The admission process is publicized through electronic and print media. Complete transparency is maintained in admission process strictly adhering to rules and norms laid down by University and Government of Maharashtra.
- The admission committee decides the admission policy as per the previous years' experience. The committee provides counselling to the students regarding academic flexibility. Keeping in mind vision and mission of the institution, efforts are taken to ensure that the student diversity including SC, ST, OBC, etc as well as socially deprived and economically weaker sections is maintained. As a result, there is a constant increase in the number of beneficiaries.
- There is constant demand for the faculty of arts and gradually with consistent efforts there is an enhancement in the quality of students seeking admission in the arts stream. In the commerce and science streams there was no demand for last few years, however, from the session 2016-17 the demand ratio has increased.
- Special care is taken to bridge the knowledge gap of enrolled students including divyang students and to provide them need based assistance. Extra classes, remedial classes, enrichment of library, laboratory, book bank scheme etc., are some of the measures that attribute to bridge the knowledge gap.
- Special lectures, workshops are organized on gender inclusion, environmental issues etc.
- Advanced learners are given special assistance, issued books through book bank scheme and also given financial support to participate in various competitions organized in different institutions.
- At the beginning of the session, academic calendar, time table, evaluation methods etc., are displayed on the notice board and communicated appropriately. Various activities are monitored throughout the year and wherever necessary extra classes are also taken by the faculty.
- The IQAC recommends measures to improve the teaching learning process. The IQAC recommends remedial coaching and special guidance for slow learners and incentives for promotion of research.
- Various student centric curricular, co-curricular and extra-curricular activities are organized to make the students more interactive and inculcate independent learning habits. Guest lectures, students seminar, workshop, educational tours, internet, LAN facility, independent reading room in library, INFLIBNET facility, quiz competition, debate, participation in AWISHKAR, organization of various activities in

NCC, NSS, Mahila Adhyayan wa Sewa Kendra, Loksankhya Shikshan etc are the various student centric activities.

- Psycho-social support and guidance is provided by the faculty personally to the needy students, special personality related workshop and lectures are organized to motivate the students and help them to overcome their inhibitions.
- Teaching is made more effective by use of modern teaching aids, ICT etc. In addition, students are motivated to participate in various elocution, quiz, seminar competitions and festivals like AWISHKAR.
- As a result, students have bagged merit positions, award and prizes in University examination and some have also qualified NET and SLET examinations.
- The institution has well qualified teaching staff with 15 Ph.D., 06 M.Phil. and 09 PG faculty with NET/SET qualifications.
- Some of the faculty members are on the academic committees (Academic council, BUTR & BOS) of Gondwana University, Gadchiroli.
- Most of the faculty members participate in external conferences, workshop, and seminars and are Life/Fellow Members of professional bodies and have presented research papers in the national & international conferences/ symposia.
- The external evaluation of student performance is done by the University. However, internal evaluation is done at the institutional level in which seminars, unit test, quiz etc are conducted focusing on understanding of the basic knowledge, expression and presentation of the topic.
- Since last four years, a very positive trend in passing percentage is observed in B.Sc., B.Com. and B.A. from 60.97, 52.17 and 17.24 to 75, 96.82, 80.90 respectively.
- Some of the students secured merit positions and received gold medals.

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

The IQAC decides the policy and promotes research consultancy and extension activities. The administration readily sanctions duty leave to the teachers for their research projects. Few major and minor research projects from external funding agencies are on-going and completed. Almost all the faculty members publish and present research papers. The institution, through the teachers who are given additional charge, perpetuates the extension activities like NSS, NCC, Loksankhya Shikshan, Mahila Adhyayan wa Sewa Kendra etc. Under the extension projects and outreach programmes, the activities, such as, community development, social work, medical camp, health and hygiene, blood donation camp are carried out. Marathi Vidhyan Parishad is actively involved in socio-scientific accomplishments.

- The institution has research committee to monitor and address the issues of research.
- To inculcate the research temperament in the students they are encouraged to actively participate in events like AWISHKAR etc. Some students represented the University in State Level Research Festival.
- To focus upon imbibing research culture and promote research among the staff and students, 15 different workshops, conferences and seminars, were organized by the institution.
- Various programmes organized by the institution have attracted 51 eminent personalities and resource persons who have interacted with the students and teachers.
- The faculty undertakes major, minor research projects and total grant of Rs. 43,42,259/- has been utilized in last five years. Additional grant wherever necessary is allocated from the institutions own resources.
- All the research laboratories and equipment are optimally utilized by the faculty members and the students for their research.
- More than 200 research papers have been published in reputed journals and conference proceedings, and presented in conference/seminars/workshop etc.
- There are 09 recognized Ph.D. supervisors under whom 07 students have been awarded Ph.D. and 21 students are pursuing research work.
- The institution has already applied for the CHLR to the Gondwana University, Gadchiroli.
- The library has rich collection of research journals, reference books, and INFLIBNET with separate reading room facility.
- The college has collaboration with different PG departments of RTM Nagpur University, affiliated colleges of Gondwana University and NEERI etc.
- Various faculty members are life and fellow members of reputed professional bodies. Dr. R.R. Kamdi and Dr. Mrs. S.R. Verma have received research award in national and international conference.
- Every year NSS unit of college organizes a residential camp of 100 students in surrounding villages for a week. Cleanliness drive, water conservation, tree plantation, health and hygiene awareness etc are the main thrust areas in the camp.
- The institution has two NCC units including separate unit for girls that are actively involved in various socio-cultural, environmental, health and hygiene awareness programmes apart from their military training.

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

The institution has a beautiful campus of about 27 acres with adequate physical facilities like, class rooms with provision for technology enabled



learning, English language laboratory, auditorium, science laboratories, museum, botanical garden, IT lab, gymnasium, large playground and separate NCC and NSS office . Renovation and expansion is continuous process.

- The institution uses its infrastructure optimally and runs in two shifts- from 7.30 a.m. to 5.35 p.m. so as to accommodate all the wings and affiliates of the institution.
- There are various common facilities which are made available by allocating space for different units like IQAC/NAAC room, staff room, girl's common room, store room etc.
- Group insurance for employees along with medical reimbursement facility is available.
- Health care and medical check-up camps are organized for students and first aid box is available.
- The library has adequate and separate reading room for students, teachers and researchers. Two books for students and 15 for faculty members are issued.
- The Library Sub-committee assists and advises the library establishment to up-date its collections and become teacher-taught friendly.
- The Book Bank facility is available to the students on merit along with full deposit scheme for all. Even the learners and sports-persons, attached to other institutions, make full use of the academic resources and infrastructural facilities.
- There is a separate IT lab with 25 computers. All the Science, Arts and Commerce departments, library and office are provided with computers. The campus is LAN and Wi-Fi enabled.

#### **Criterion-V: Student Support and Progression:**

The Institution has always stood by the ideals Maharogi Sewa Samiti takes pride in. Maintaining the glorious tradition of curricular and extra-curricular activities, our institution has come out as leading teaching-learning centre. The alumni are prominently placed at different positions of National and International repute. Many of our students have taken part in sports activities. On academic front, some of our past students are scientists of wide acclaim, doctors, engineers, IES, IAS, and industrialists. In the area of social service, our students have taken humanity to their bosom, and risen beyond the contours of the land. We can proudly name a few: Dr. Vikas Amte is Secretary of MSS, Warora, Dr. K. B. Sainis, a scientist with BARC, has been honoured with Dr. Shanti Swarup Bhatnagar Award, and Padmashree Dr. Prakash Amte became a global personality when Government of Monaco brought out a stamp in his honour, is also a recipient of Magsaysay award. Government of India, SC, ST scholarships, EBC free-ship, STC free-ship, State Government Merit Scholarship, etc., are some of the financial aids available to the students. There

are 17 prizes in cash and kind, which are given to the meritorious students. In addition, many of our alumni have cleared CSIR/NET/ SET examinations.

- Institution publishes an updated prospectus every year which includes vision, mission, objectives, fee structure & reservation policy etc.
- About 96.07% students receive financial assistance from Government.
- Institution provides remedial coaching to slow learners. The college gives guidance to the students who prepare for competitive examinations. Many of our students have done well in All India Entrance Examinations for admission to NPL, NCL, and Fire Engineering.
- Institution publishes its magazine, “Anand Niketan” every year.
- Institution makes efforts to facilitate entrepreneurial skills.
- About nineteen students have cleared NET/SET examination since 2012.
- Many students have participated in University level, State level and National level sport competitions.
- Institution has a student council as per the university directives. Council organizes various curricular and co-curricular activities in coordination with staff.
- Institution has various academic and administrative bodies to create a link between administration and students.

#### **Criterion-VI: Governance, Leadership and Management:**

Anand Niketan College of Science, Arts and Commerce, Anandwan, is the academic face of Maharogi Sewa Samiti, Anandwan. The institution finds itself at the privileged position because of the presence of Dr. Vikas Amte, as chief patron. As per our requirements, Maharogi Sewa Samiti, Anandwan, makes necessary recruitments according to the Government rules and regulation. The overall administration is looked after by the Local Management Committee headed by Dr. Vikas Amte, Secretary M.S.S., Warora. Among the members of LMC, three representatives are from the teaching staff and one from non-teaching staff. The Principal acts as the Secretary. The members of LMC are empowered to have unhindered access to all the record and documents pertaining to the institutional administration.

- Institution is established by great visionary Shradheya Baba Amte with the vision to uplift educationally, economically and socially under privileged people through special emphasis on education and skill development.
- The mission of institution is to inculcate independent thinking in individuals who will have a voice in society and become messengers of change.
- The Management provides all the necessary support to the institution and is a guiding force for all the stake holders.

- The IQAC is primarily responsible for formulation of action plan and the Principal ensures incorporation and execution of the same in to the institutional strategic plans.
- The institution undertakes various means of procedures and discusses the policies and plans in meetings like LMC, departmental meetings & IQAC meeting etc.
- Administrative decentralization is in place for effective implementation of policies.
- The institute has a perspective plan which includes different aspects for the development.
- The institute adopts various means for quality improvement which includes departmental meeting throughout the session, use of internet, ICT, student evaluation by conducting unit test, remedial coaching and guest lectures etc.
- Students of NSS and NCC are engaged in different community activities.
- Software for office management and library has been installed and the entire campus is under electronic surveillance.
- Effective governance, leadership and management have resulted in improvement in students' presence, progression, and performance.

#### **Criterion-VII: Innovation and Best Practices:**

The institution makes efforts to instil environmental consciousness through various activities. The institution focuses on innovative practices. The institute also undertake best practices, which benefit the students.

- The college takes initiative to make the campus eco-friendly by conducting various activities like energy conservation, water harvesting, check dam construction, carbon neutrality, plantation, hazardous waste management, e-waste management etc.
- The institute has introduced innovations in its functioning viz computerization of library and office administration, incentive to the staff members for their research publications, free uniform and books to the needy and poor students, advanced learners are provided additional books, seminars/workshop are organized for women security at workplace etc.
- Institution conducts two best practices viz 'Coaching Classes for Entry in Services' and 'Sports and Physical Training Facilities'.

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

In the very beginning of the session, all the Heads conduct meetings of their respective departments. With the input from the faculty members, the Heads make a plan of the teaching-learning process for the session and focus

the areas of greater emphasis. Accordingly, framed time-table is put before the faculty member for distribution of workload. Informal meetings are conducted to review the working of the department. The students' progress is evaluated periodically and necessary changes in the working pattern are made.

#### ❖ **Science Departments:**

All the departments have highly qualified staff and a good support of non-teaching technical staff. The departmental libraries have good collection of books. Some faculty members are on editorial bodies of reputed journals and are Fellow /Life members of reputed professional bodies. Apart from regular teaching methods, multimedia projectors and ICT are regularly used in the teaching learning process. Internal evaluation process is a regular feature. All the departments actively participate in institutional social responsibilities and extension activities. Various activities are organized in the department that invite resource persons to the department. In addition, study tours, industrial visits are organized that give an opportunity to the students to interact with eminent personalities and increase interest of the students in their subjects.

#### ✚ **Botany:**

- Department of has three regular faculty and five contributory teachers. The department has completed two major projects and one major project is on-going. Department has applied for recognition of CHLR in the Gondwana University, Gadchiroli.
- Department has two well-equipped laboratories and facilities like botanical garden, herbarium etc.
- A faculty member is on various academic bodies of the university such as Academic Council, BUTR, BOS Chairman.
- Faculty members have been invited as resource persons and have chaired session in National conferences.
- The faculty has published 18 research papers in National and International journals, one book, two edited practical manuals, three chapters in books. A few research publications are listed in international data base SCOPUS and some have h-index.
- Faculty members have received first prize in poster presentation in National conference at Nawargaon, District Chandrapur.
- One faculty is recognized supervisor and one student has been awarded Ph.D. while four are pursuing research.
- The department has organized two national conferences three workshops and number of student seminars.
- Number of eminent faculty visited the department.

- The department has produced excellent result (86.95%).
- Five students have qualified NET/SET examination and student progression rate from UG to PG is 58%.
- From the session 2015-16 department has started M.Sc. Botany.

#### **Chemistry:**

- Department has four regular faculty and seven contributory teachers. The department has completed one minor project, and has applied for recognition of CHLR in the Gondwana University. All three laboratories are well equipped.
- The faculty has published 29 research papers in National and International journals and presented their research papers in the conference etc. A few research publications are listed in international data base SCOPUS and some have h-index.
- The department has organized one workshop on curriculum design. The department organises quiz/seminars and guide students for entrance examinations, such as, NCL, fire engineering etc.
- The result is excellent (75%) and the student progression from UG to PG is 15%.
- Two students have qualified NET/SET examination.
- From the session 2015-16 department has started M.Sc. Chemistry.

#### **Electronics:**

- Department has two regular faculty. The department has completed four minor projects. Department has applied for recognition of CHLR in the Gondwana University. The laboratory is well equipped.
- The faculty has published 64 research papers in National and International journals, and presented research papers in National and International conferences (Madrid, Spain). Few research publications are listed in international data base SCOPUS and some have h-index.
- Faculty members have been invited as resource persons and have chaired session in National conferences.
- Faculty members are on various academic bodies of the university such as Academic Council, BUTR, BOS Chairman and BOS member.
- Faculty members are recognized supervisor and four students have been awarded Ph.D. while three are pursuing research.
- The department has produced excellent result (88.00%) and one student qualified NET examination. The student progression rate from UG to PG is 54%.
- Student seminars are regularly conducted.

### **✚ Mathematics:**

- Department of has one regular faculty and two contributory teachers. The department has completed one UGC minor research project.
- The faculty has published 38 research papers in National/International journals and many in e-Journals and 07 eBooks with ISBN/ISSN number.
- Faculty member is recognized supervisor and one student has been awarded Ph.D. while two are pursuing research.
- Mr. Pankaj Dongre, 5<sup>th</sup> Merit in Gondwana University, Gadchiroli.
- Number of eminent faculty visited the department.
- The department has organized National Mathematics Day, on 14<sup>th</sup> Feb , 2015
- The department has produced excellent result (93.61%) and one student qualified NET examination. The student progression rate from UG to PG is 21.21%.
- Student seminars are regularly conducted.
- From the session 2015-16 department has started M.Sc. Mathematics.

### **✚ Physics:**

- Department has three regular faculty and three contributory teachers. The department has completed one UGC minor research project one minor research project has been sanctioned.
- Department has two well-equipped laboratories and one research laboratory.
- Department has applied for recognition of CHLR in the Gondwana University.
- The faculty has published 48 research papers in National and International journals, and presented research papers in National and International conferences, one book with ISBN number. A few research publications are listed in international data base SCOPUS and some have h-index.
- Faculty member is on various academic bodies of the university such as Academic Council, BUTR, BOS Chairman.
- Faculty members have been invited as resource persons and have chaired session in National conferences.
- The department has organized two national conferences one workshop on curriculum design and number of student seminars.
- Number of eminent faculty visited the department.
- Faculty member is recognized supervisor and one student has been awarded Ph.D. while three are pursuing research.

- Mr. Pankaj Dongre, 5<sup>th</sup> Merit in Gondwana University, Gadchiroli.
- The department has produced excellent result (93.61%) and five students qualified NET/SET examination. The student progression rate from UG to PG is 30%.
- Student seminars are regularly conducted.
- From the session 2015-16 department has started M.Sc. Physics.
- 

#### **Zoology:**

- Department has three regular faculty and six contributory teachers. The department has completed one UGC Major Research project two minor research projects have been submitted.
- Department has two well-equipped laboratories and museum.
- Department has applied for recognition of CHLR in the Gondwana University.
- The faculty has published 48 research papers in National and International journals, and presented research papers in National and International conferences. Few research publications have h-index and listed in SCOPUS.
- Two books with ISBN number, one e-book and four chapters in books have been published.
- A faculty is member BOS Zoology, Gondwana University, Gadchiroli.
- Faculty members have been invited as resource persons and have chaired session in National conferences.
- The department has organized two national conferences, two workshop on curriculum design, one seven days' workshop for non-teaching staff on computer literacy and number of students seminars.
- Number of eminent faculty visited the department.
- Faculty members are recognized supervisor and one student has been awarded Ph.D. while three are pursuing research.
- Two faculty members are the recipient of 'Eminent Researcher' and 'Young Scientist Award'.
- The department has produced excellent result (88.42%) and 03 Students qualified NET and 02 students qualified SLET examination in Life Sciences.
- The student progression rate from UG to PG is 20.28%.
- From the session 2016-17 department has started M.Sc. Zoology.

### ❖ Arts Departments:

The faculty of Arts, with departments such as History, Political Science, Sociology and Economics have highly qualified ten regular and five contributory teachers. The departmental libraries have good collection of books. The departments regularly evaluate performance of the students by taking tests, quiz and seminars etc. Remedial coaching is arranged for the slow learners and socially backward students. Most of the faculty members have published research papers, popular articles etc. that have been duly acknowledged. Apart from regular teaching methods, multimedia projectors and ICT are regularly used in the teaching learning process. Internal evaluation process is a regular feature. All the departments actively participate in institutional social responsibilities and extension activities. Various activities are organized in the department that invite resource persons to the department and study tours are organized that give an opportunity to the students to interact with eminent personalities and increase interest of the students in their subjects.

### ✚ Economics:

- Department has one regular faculty.
- The faculty has published 06 research papers in National and International journals, and presented research papers in National and International conferences.
- Faculty member is pursuing doctoral research and shouldered the responsibility of NSS programme officer.
- The department has produced excellent result (96.43%). The student progression rate from UG to PG is 18%.
- Department organizes 'Economics Quiz' and conducts student seminars.
- Educational Tour to Hamalkasha was organized.

### ✚ History

- Department has one regular faculty.
- The faculty has published 01 research paper in International conference.
- Faculty member shouldered the responsibility of NSS programme officer.
- Mr. Manoj Kale is recipient of Gold Medal in History.
- The department has produced excellent result (93.55%). The student progression rate from UG to PG is 18%.
- Department organizes student seminars/projects.



**✚ Political Science:**

- Department has highly qualified one regular faculty and one contributory teacher.
- The faculty has published 09 research papers in National and International journals, and presented research papers in National and International conferences.
- Faculty member has submitted Ph.D. Thesis and has shouldered the responsibility of NSS programme officer.
- The department has produced excellent result (92.16%). The student progression rate from UG to PG is 18.62%.
- Ku. Shalini Jengathe B.A.received 'Gold Medallist' in Political science (2015-16) Gondwana University, Gadchiroli.
- Department conducts student seminars.

**✚ Sociology:**

- Department has highly qualified one regular faculty and one contributory teacher.
- Faculty is a member of BOS, Gondwana University, Gadchiroli.
- The faculty has published 04 research papers in National and International journals, and presented research papers in National and International conferences.
- Faculty member has guided four research students for Doctoral research.
- The department has produced excellent result (94.25%). The student progression rate from UG to PG is 40%.
- The department conducted three Workshops for the students.
- Department conducts student seminars.

**✚ Commerce:**

The commerce stream is a multidimensional faculty. The faculty members are highly qualified. The library has a good collection of books. The department regularly evaluates the performance of the students by taking tests and seminars etc. Remedial coaching is arranged for the slow learners and socially backward students. Most of the faculty members have published research papers, that have been duly acknowledged. Internal evaluation process is a regular feature. The faculty actively participates in institutional social responsibilities and extension activities.

- Department has highly qualified three regular faculty and seven contributory teachers.
- Faculty is a member of BOS, Gondwana University, Gadchiroli.

- Faculty members are holding responsibilities of NCC and NSS Programme Officers.
- Two faculty members are M.Phil. and are pursuing doctoral research and have published 30 research papers in National and International journals, and presented research papers in National and International conferences.
- The department has produced excellent result (95.31%). The student progression rate from UG to PG is 40%.
- Two students Mr. Hridarshahn Atram and Miss. Savita Amburkar have secured Merit Positions in the Gondwana University, Gadchiroli.
- Department conducts student seminars.
- The department has started new programme B.Com. English medium from the session 2014-15.

❖ **Languages:**

✚ **English:**

- Department has highly qualified four regular faculty and one contributory teacher.
- The faculty has published 18 research papers in National and International journals, and presented research papers in National and International conferences.
- Faculty members are pursuing Doctoral research.
- Faculty member has received the “State level Best NSS Programme Officer Award” given by Govt. of Maharashtra.
- The department has produced excellent result more than 75%. The student progression rate from UG to PG is 28%.
- The department has organised one National Conference.
- Department conducts student seminars regularly.
- The Language lab is recently established and students are benefited.

✚ **Marathi:**

- Department has highly qualified two regular faculty and two contributory teachers.
- The faculty has published 07 research papers in National and International journals, and presented research papers in National and International conferences.
- Faculty member are pursuing doctoral research and shouldered the responsibility of NSS and Loksankhya Shikshan programme officer.
- The department has produced excellent result more than 90%. The student progression rate from UG to PG is 40%.
- Department conducts student seminars.

### ❖ **Support Facilities:**

#### ✚ **Library:**

Central Library is, the most illumined face of the institution, replete with over 44081 books, 49 journals and periodicals, a flock of 14 newspapers, and good number of audio-visual CDs. Housed in a magnificent building, and equipped with the best possible facilities, the Central Library is the place of greatest attraction for learner, inside as well as outside, researchers, and members of academic fraternity. Various student-centric schemes, such as, Book-Bank, Full-Deposit, Book Lending, membership to ex-students, P.G. students and researchers are the glowing face of the library. The library organizes book exhibitions on the lives and works of great men of established creativity.

- The library has highly qualified faculty with eight support staff.
- The faculty has published and presented 05 research papers in the conference proceedings.
- Library organises various activities like book exhibition, best reader award, reading contest etc. to inculcate reading habit amongst the students.
- Library has the facility of inter library loan (on demand), internet service / e-resources section, reprography service (on demand).
- Eminent personalities visited the library.

#### ✚ **Mahila Adhyayan wa Sewa Kendra and Loksankhya Shikshan:**

Women empowerment is the key issue of modern India. Women are to be given advanced technical and scientific knowledge along with the soft skills so that they can also be a part of Nation Building activity. Mahila Adhyayan wa Sewa Kendra, focuses on these issues for the overall personality development of women and carries out various special activities which can enable them to face the competition around them.

Population explosion is, probably, the single great problem India has been facing since its independence. Population education not only aims at enlightening the students, and through them the common people, about the hazards of excessive growth of human race within a very limited geographical space and time, but it deems it more pertinent to teach the people, through its students, about the proper family care and, in larger perspective, social care.

- The programmes and projects of Mahila Adhyayan wa Sewa Kendra and Population Education incorporate and execute keeping their decided objectives in mind through various activities such as International literacy day, Sawitribai Fule Jayanti, International Women's' Day, and Worksoop/seminars etc.

- During these activities eminent personalities are invited to interact with the students.

#### **NCC:**

NCC instils the discipline in young minds and mentors them to play an important role for the development of Nation. Objective of NCC is to develop best of mental, moral and physical fitness and impart all the qualities of an ideal citizen in an organized and well planned manner keeping in view, its motto “Unity and Discipline”.

- Institution has separate girls unit (3, Mah. Girls Bt.) comprising of 50 cadets along with another unit (21, Mah. Bt.) of 108 cadets.
- NCC cadets get incentive marks and preference in various Government services.
- NCC cadets attended RD-Selection Camp, Thal Sainik Camp National Integration Camp and Annual Training Camp etc.
- NCC cadets volunteer in various social service activities such as Blood Donation Camp, Tree Plantation, Cleanliness Drive and Eye-Camp.

#### **NSS:**

NSS is an important platform for student development. It exposes the students to the ways of community living and makes the students aware of rural problems. NSS also inspires the students to take part in rural development and inculcates the quality of leadership among the students. NSS encourages the students to promote the will to serve weaker sections of the community. The motto ‘Not I But You’ is achieved through various social activities conducted by the NSS.

- NSS Unit is recipient of State Level 1<sup>st</sup> prize.
- Recipient of Best NSS Unit, RTM Nagpur University, Nagpur, 2005-06.
- Recipient of State Level Best NSS Programme Officer Award.
- NSS unit of college conducts various activities like Training Workshops, Independence Day celebration, Clean and Green Campus, Sadbhavana Pandharwada, NSS Foundation Day, Yoga and Personality Development workshop, Sustainable Farming Workshop, Workshop on Snakes, National Constitution Day, Poster and Rangoli competition etc. and volunteers in blood donation and cataract eye camp.
- Volunteers of NSS unit participated in various University, State and National level NSS camps.
- Seven days college level NSS residential camp is organized every year. Around 120 students participate in the camp along with faculty.

### **Physical Education:**

The Department of Physical Education has its own facilities. With a very beautiful and exhaustive play-ground of about 27000 sq.m. area, the Department maintains tracks of various lanes. The ground can accommodate a number of sports activities at a time, without being overused or overlapped. It is dimensionally broad enough to facilitate extra-mileage to the Inter- Collegiate and Inter-Zonal tournaments.

- Many students of the college participated in University level, State level and National level tournaments and Sports festivals.
- College has organized University and State level tournaments of Kho-Kho and Volley ball.
- Renowned sports personalities visited the college during the sports events.
- Some of the students of the college are placed in Government services through sports quota.

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

#### **Strength :**

- Legacy of founder of Anandwan Shradheya Baba Amte.
- Safe and secure environment for co-education.
- Qualified, skilled, experienced & dedicated faculty and committed and hardworking non- teaching staff.
- Conducive working atmosphere in the institution.
- ICT facilities available.
- Teachers always intended for their academic elevation, pursue research in their field of interest.
- Institution is recognised by UGC under section 2f and 12 B and receives regular UGC Grants.
- Well-equipped laboratories and rich library.

#### **Weaknesses:**

- Average students seek admission.
- Less employment opportunities due to slow industrial growth of the region.
- Academic dependence on University.
- Skill based job oriented programs.

#### **Opportunities:**

- Easy accessibility for the students coming from vicinity.

- Training & Placement cell. Remedial teaching to slow learners and economically weaker students.
- Providing opportunity to the students to interact with experts in the fields through seminars, workshop, and conferences, inter collegiate competition, science exhibition and visit to scientific laboratories.
- Research guidance facility available to students.
- The students are provided opportunities to participate in various intra and inter institutional activities.
- Library facility for all stakeholders.

**+ Challenges:**

- The students are admitted from the rural and backward area, it is difficult to inculcate the scientific and technological attitude in the students.
- Overcome language barrier, particularly for English.
- Declining interest in pure science subjects.
- Improve the grasp of average students and slow learners.
- Skill development.

**❖ Future plan:**

- The institution desires to start Center for Higher Learning and Research.
- Strengthen skill based training and placement cell.
- More focus on research and extension activities.
- Augmentation of infrastructure facilities.



# Profile of the Institution

## Profile of the College

### 1. Name and Address of the College:

Anand Niketan College of Science, Arts and Commerce, Anandwan,  
Warora.

<b>Name</b>	<b>Anand Niketan College of Science, Arts and Commerce, Anandwan, Warora.</b>
<b>Address</b>	Anandwan, Warora, Taluka.- Warora, District- Chandrapur
<b>City</b>	Anandwan, Warora, Pin :- 442914 State - Maharashtra
<b>Website</b>	<a href="http://www.ancanandwanwrr.org">www.ancanandwanwrr.org</a>

### 2. For Communication:

Designation	Name	Telephone/Mobile/Fax
<b>Principal</b>	Dr.M.C. Kale	O :- 07176-282006 R :- 07176-284121 Mob:-9403816244 Fax:-07176-282006 Email:anandniketancollege@gmail.com
<b>Steering Committee Co-ordinator</b>	Dr. V.D. Bhandakkar	O :- 07176-282006 R :- 07176-282806 Mob:-9423668161 Fax:-07176-282006 Email:vivekbhandakkar@gmail.com

### 3. Status of the Institution:

Affiliated College	✓
Constituent College	--
Any other (Specify)	--

### 4. Type of Institution:

A.	By Gender	
ii.	For Men	--
ii.	For Women	--
iii.	Co-education	✓

B	By Shift	
i.	Regular	✓
ii.	Day	--
iii.	Evening	--



**5. Is it a recognized minority institution? If yes specify the minority status (Religious/linguistic/any other) and provide documentary evidence:**

Yes	--
No	✓

**6. Sources of funding:**

Government Grant-in-aid	✓
Self-financing (P.G. in Science & B.Com. English Medium)	✓
Any other	--

**7. a) Date of establishment of the college:**

20/06/1964

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

Gondwana University, Gadchiroli (Earlier affiliated to RTM Nagpur University, Nagpur)

**c) Details of UGC recognition:**

Under Section	Date, Month & Year (dd/mm/yyyy)	Remarks ( If any)
i. 2 (f)	Exempted	Established before 1965
ii. 12 (B)	Exempted	Established before 1965

(Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act): **Annexure-I**

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

Not Applicable

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

Yes	✓	No	---
-----	---	----	-----

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

Yes	--	No	✓
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**9. Is the college recognized?**

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

Yes	--	No	✓
-----	----	----	---

b) For its performance by any other governmental agency?

Yes	--	No	✓
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**10. Location of the campus and area in sq.mts:**

Location	Rural
Campus area in sq. mts.	About 26.72 Acres
Built up area in sq. mts.	2851.57 sq. mt.

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

- ❖ Auditorium/seminar complex with infrastructural facilities:  
Auditorium is available with capacity of 200 persons.
- ❖ Sports facilities
  - Play ground:  
Large playground available: 6596.11sq.mts (71000 sq.ft.)
  - Swimming pool:  
Not Available
  - Gymnasium:  
Available
- ❖ Hostel
  - Boys' hostel:  
Not available
  - Girls hostel :  
Not available
  - Working women's hostel:  
Not available
- ❖ Residential facilities for teaching and non-teaching staff (give numbers available-Cadre wise) :  
Not available
- ❖ Cafeteria:  
Canteen is available in parent organization which is adjacent to college campus.
- ❖ Health centre:  
Not available, however, the doctor is available on call.
- ❖ Health centre staff:  
Not available, however, the doctor is available on call.
- ❖ Facilities like banking, post office, book shops:  
Facilities are available in parent organization adjacent to college campus.

- ❖ Transport facilities to cater to the needs of students and staff:  
Students avail concessional state transport facility.
- ❖ Animal house:  
Not applicable
- ❖ Biological waste disposal:  
Definite procedure followed.
- ❖ Generator or other facility for management/regulation of electricity and voltage:  
One generator of 50 KVA, Two portable generators of 03 KVA, one servo stabilizer of 10 KVA, 03 inverters of 0.8KVA, individual UPS for computers and two solar lamps on playground.
- ❖ Solid waste management facility:  
Definite procedure is adopted for solid waste disposal.
- ❖ Waste water management:  
Soak-pits are dug at different sites in the campus.
- ❖ Water harvesting:  
Ground water recharge is possible through sinks at different locations.

**12. Details of programmes offered by the college (Give data for current academic year (2016-17)).**

S.N.	Program Level	Name of Program/Course	Duration in Years	Entry Qualification	Medium of Instruction	Sanction/Approved student strength	Number of Students admitted
1	UG						
		Arts	3	12 <sup>th</sup> Pass	Marathi	660	567
		Commerce	3	12 <sup>th</sup> Pass	Marathi/ English	720 (360+360)	506
		Science	3	12 <sup>th</sup> Pass	English	660	598
2.	PG (No grant)						
		Physics	2	B.Sc.	English	44	28
		Chemistry	2	B.Sc.	English	44	25
		Mathematics	2	B.Sc.	English	44	34
		Botany	2	B.Sc.	English	44	31
		Zoology	2	B.Sc.	English	22	19
3	Any Other: Applied for Center for Higher Learning and Research (CHLR)						

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

Yes	✓	No	
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If yes, how many? 07

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

Yes	✓	No	--	Number	07
-----	---	----	----	--------	----

**15. List the departments :- (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)**

Faculty	Departments (eg. Physics, Botany, History etc. )	UG	PG	Research
Science	1. Physics	✓	✓	Applied for Centre for Higher Learning and Research (CHLR)
	2. Electronics	✓	-	
	3. Mathematics	✓	✓	
	4. Botany	✓	✓	
	5. Zoology	✓	✓	
	6. Chemistry	✓	✓	
Arts	1. Economics	✓	-	
	2. History	✓	-	
	3. Political Science	✓	-	
	4. Sociology	✓	-	
Commerce	1. Commerce	✓	-	
Any Other (Specify)	-	-	-	

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

a)	Annual System	--
b)	Semester System	8 (UG-3; PG-5)
c)	Trimester System	--

**17. Number of Programmes with**

a)	Choice Based Credit System	5(PG)
b)	Inter/Multidisciplinary System	--
c)	Any other (specify and provide details)	--

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

Yes	--	No	✓
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**19. Does the college offer UG or PG programme in Physical Education?**

Yes	--	No	✓
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**20. Number of teaching and non-teaching position in the Institution.**

Positions	Teaching Faculty							CHB	Non-teaching Staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor				Non-teaching Staff		Technical Staff	
	M	F	M	F	M	F			M	F	M	F
Sanctioned by the UGC/University State Government Recruited	0	0	9	1	16	4	25	37	5	0	0	
Yet to recruit	--	--	--		1	4	--	11	--	0	0	
Sanctioned by the Management Recruited							30					
Yet to recruit	--	--	--	-	--	--	--	--	--	--	--	

**21. Qualifications of the teaching staff (2015-2016):**

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
<b>D.Sc./D.Litt.</b>	00	00	00	00	00	00	00
<b>Ph.D.</b>	00	00	05	01	07	02	15
<b>M.Phil.</b>	00	00	01	00	03	02	06
<b>P.G.</b>	00	00	02	00	07	00	09
<b>Clock Hour Basis (CHB)</b>							
<b>Ph.D.</b>	00	00	00	00	03	01	04
<b>M.Phil.</b>	00	00	00	00	00	00	00
<b>P.G.</b>	00	00	00	00	19	32	51

**22. Number of Visiting Faculty/Guest Faculty engaged with the college:**

Nil, however guest lectures are organized on various topics.

**23. Furnish the number of the students admitted to the college during the last four Academic years:**

Categories	2012-13		2013-14		2014-15		2015-16	
	Male	Female	Male	Female	Male	Female	Male	Female
<b>SC</b>	47	55	60	59	41	82	45	93
<b>ST</b>	66	65	73	73	76	112	90	138
<b>OBC</b>	166	283	210	282	211	422	256	534
<b>General</b>	17	43	12	43	09	43	21	44
<b>Other</b>	43	47	55	49	69	69	48	97
<b>Total</b>	339	493	410	506	406	717	460	906

**24. Details on students enrolment in the college during the current academic year: 2016 – 2017**

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same state where the college is located	1671	137	-	-	1808
Students from other states of India	-	-	-	-	-
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
<b>Total</b>	1671	137	-	-	1808

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

UG	27.82	PG	Nil
----	-------	----	-----

**26. Unit Cost of Education:Session: 2015-16**

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

a)	Including the salary component	50,157/-
b)	Excluding the salary component	14,492/-

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

Yes	--	No	✓
-----	----	----	---

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

(2015-2016)

Programme	Number of Students	Number of Teachers		Ratio
		Permanent	+CHB	
B.A.	555	10	05	1:37
B.Com.	254	03	01	1:64
B.Sc.	557	16	21	1:15
M.Sc. Physics	22	03	03	1:3
M.Sc. Botany	16	03	03	1:3
M.Sc. Chemistry	07	03	06	1:1
M.Sc. Mathematics	22	--	02	1:11

**29. Is the college applying for Accreditation?**

Cycle 1	--	Cycle 2	✓	Cycle 3	--	Cycle 4	--
---------	----	---------	---	---------	----	---------	----

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

Cycle 1:

16-02-2004: Accreditation Outcome/Result Grade: B<sup>++</sup>

Cycle 2:--

Cycle 3: --

A copy of accreditation certificate (s) and peer team report(s) is enclosed:  
(Annexure -II)

**31. Number of working days during the last academic year (2015-2016):**  
**228**

**32. Number of teaching days during the last academic year (Teaching days means days on which lectures were engaged excluding the examination days):**  
**186**

**33. Date of establishment of Internal Quality Assurance Cell (IQAC):**  
23-08-2014

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

AQAR (i) : 2011-2012  
AQAR (ii) : 2012-2013  
AQAR (iii) : 2013-2014  
AQAR (iv) : 2014-2015  
AQAR (v) : 2015-2016  
Reports have been submitted.

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

- Applied for Centre of Higher Learning and Research with the Parent University.
- The institution has taken initiative in installing solar lighting.
- Plant Tissue Culture, Vermi Compost pits, mushroom cultivation and apiculture facility, available in the institution.
- Library provided with a spacious reading hall and INFLIBNET (N-LIST).





**CRITERION I:  
CURRICULAR ASPECTS**

## 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:**

The institution is established by great visionary Shraddey Baba Amte with the vision to uplift educationally, economically and socially underprivileged people through special focus on education and skill development which will lead them to live a dignified personal and social life. This is to be achieved through sustained efforts and initiatives.

##### **Mission and objectives:-**

The vision is made into reality through mission and objectives of the institution. The institution takes efforts to develop overall personality of the student to face the challenges of modern society through its various activities.

The institution communicates its vision, mission and objectives with the students and all the stakeholders through its website, prospectus and various academic, social and skill development programmes throughout the year. The various issues are synergised by the institution and its stakeholders through:

##### **Academic excellence:**

The students from the rural and tribal areas are exposed to the rational and scientific attitudes, in addition to the formal courses pertaining to the arts, commerce and science streams.

Institution organises co-curricular activities like seminars, science quiz, general knowledge quiz, essay competition etc. This gives them an opportunity to interact with peers. The topic selection for these programmes is such that the students are made to think about the problems of common people living in the surrounding across the country as a whole. This exercise also helps to inculcate the sense of nationality and brotherhood.

##### **Social awareness & value education:**

Apart from the formal education the institution gives primacy to the social awareness and value education that enthrusts the students regarding the respect for human resources and recognition of dignity of labour. Students participate in extracurricular activities under the banners of NSS, NCC, Loksankhya Shikshan and Mahila Adhyayan wa Sewa Kendra, Science Association, Nature club, Students Council, Debate, Elocution contests, Celebration of birth anniversaries of Great Personalities and sports activities etc. Through all these programmes, the students are made to realize the importance of self-help, dignity of

labour, social equality; they are also made aware of the problems faced by rural men, women, farmers and other weaker sections of the society. They leave the college with a motto in mind that they will contribute something in order to ease the sufferings of the rural folk.

**Modern technologies & skill development:**

Information Technology and Computer Lab plays pivotal role and provides the appropriate skills to the students to face challenges of the modern society. Students are encouraged to bring out their creative potential and nurture the spirit of critical thinking through the use of internet and power point. The institution organizes industrial visits and tours to various academic institutions of national repute. This makes them aware of the state of the art technologies and innovative methods of scientific and social engineering so that the students have an opportunity to get first-hand information on various issues. It also provides the platform to interact with eminent personalities in different institutions.

**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).**

- At the end of the session, the meeting of all faculty members is called to prepare Action plan for the next session so that, it can be implemented from the beginning of the session.
- As per the plan, at the beginning, academic calendar is displayed by the college, which shows all the curricular, co-curricular activities and programmes of various examinations.
- At the beginning, a comprehensive time table for all the faculties is prepared by time table committee and displayed on the notice board. At the same time, departmental time tables are also displayed in the respective departments.
- In the beginning of the session, departmental meetings are called to discuss the effective implementation of the curriculum and distribution of workload to the respective faculty members.
- Principal and senior faculty address the students and brief them about the vision, mission and objectives of the institution in the beginning of the session. The students are also informed about the learning resources, e-learning facilities, ICT facilities, Wi-Fi network and sports facilities available in the institution.
- For the periodic monitoring of various activities conducted by the institution, faculty wise in-charge is appointed. They take necessary measures for the smooth implementation of various programmes in the institution.
- To ensure the completion of curriculum, extra classes are conducted as per the needs of individual faculty.
- The learners are provided with additional unit wise study material.

- The students are encouraged, to use the ICT and OAR (Open Access Resource).
- For their overall personality development, college provides a platform to the students to showcase their talent through the curricular, co-curricular and extra- curricular programmes organized within and outside the institution.

**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 University provides necessary curricula as per UGC guidelines. The BOS organizes workshops to discuss the scope of the syllabus.
- The institution arranges various guest lectures from the renowned faculty from other institution on the various topics. College has links with various academic institutions.
- The college has arranged various workshops for the teachers to update the advancements in the concerned subjects and to introduce the new techniques of teaching-learning process.
- The college is having sufficient infrastructure like class rooms, well equipped laboratories, central library with INFLIBNET, departmental libraries and ICT facilities with Wi-Fi.
- The faculty members are encouraged to participate in national / international conferences/workshops/seminars to update themselves and to beat par with peers in their respective knowledge-domain.

**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 institution strictly adheres to the academic calendar provided at the beginning of the session to ensure effective delivery of the curriculum.
- The respective faculty in-charge monitors regular conduction of classes' through-out the session as per the schedule.
- The college has central library with facilities like reading room, reference section and separate reading arrangement for faculty. The library has ICT facility for the students and faculty. There is a departmental library and internet facility available in most departments.
- To supplement the regular teaching-learning class room activity, individual faculty engages remedial coaching for the students.

**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?**

- The institution does not have formal mechanism of networking and interaction with the industry or research bodies for operationalization of the curriculum. However, through its acquired experience, the institution designed and implemented a career oriented programme (Certificate course in plant tissue culture).
- Teachers of the Institution who are members of University bodies formally interact with the University for the effective operationalization of the curriculum.
- Board of studies invite subject teachers in curricula related workshops. Teachers of the institution actively participate in such events and make best use of such opportunities.
- The faculty members are recognized as Research Guides of Gondwana University, Gadchiroli and RTM Nagpur University.
- The institution invites experts, as resource personals which helps in effective operationalisation of the curriculum.
- Visit to the industry and institute of repute are organized by way of educational tour.

**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.**

Member Academic Council	Chairman BOS	Member BOS
Dr. M.C. Kale	Dr. M.C. Kale	Dr. G.K. Singh
Dr. M.S. Deshpande	Dr. M.S. Deshpande	Dr. Mrs. R. H. Lad
Dr. V.D. Bhandakkar	Dr. V.D. Bhandakkar	Dr. C.K. Jiwane
		Dr. A.P. Sawane

- Dr. M.S. Deshpande is a member of BCUD, Gondwana University, Gadchiroli.
- The institution has organised workshops on curriculum design and the faculty members have contributed in such workshops organized in other affiliated colleges. The faculty members have suggested changes in the existing syllabus and also given recommendations while framing new syllabus. The suggestions have been incorporated in the syllabi by Gondwana University.
- From this session (2016-17) University has decided to implement CBCS in PG Courses. The plan of examination, regulation and

direction have been prepared by University level committee in which, Dr. M.S. Deshpande, Dr. M.C. Kale and Dr. V.D. Bhandakkar played an active role.

- The requirements and difficulties of the students related with the curriculum are communicated to the University through the faculty members involved in the development of curriculum.

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

The college conducted certificate course in plant tissue culture under COP UGC to develop skilled man power required for biotechnology industry.

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

- The curriculum focuses on two pursuits' viz., knowledge and employment. Apart from regular teaching-learning process, college encourages the students to develop soft skills which may be useful for employability of the students in future.
- The soft skill can be developed by participating in various seminars, workshops and exposure to various skill based programmes.
- Throughout the session, students are encouraged to use IT & library effectively.
- The college has placement and counselling cell which acts as a facilitator between employer and students.
- Students' performance is analysed through internal assessment, result analysis of examinations, presentations, seminars, workshops and skill based programmes.

**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.**

- The institution conducted certificate course in plant tissue culture under COP UGC to develop skilled man power required for biotechnology industry.
- In collaboration with MCED, skill based short term courses in DTP & Tally and Agro-based industries are conducted.

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

No.

**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.**

➤ **Range of Core/ Elective options offered by the University and those opted by the college.**

The institution provides wide range of elective options to cater to the diverse needs of the students and is the only multi-faculty institution in Warora Taluka.

- The elective options in science, arts and commerce programmes have yielded fruitful results. Every year substantial number of students take admissions in different PG programmes like B.Ed. /M.Sc. /M.A. /M.C.A. /M.B.A. etc.
- While the students are in the UG programme at the institution, faculty of the institution counsels the students on taking up PG education to enhance potential for employability among them.
- Subject specific interests are developed during overall teaching-learning activity.

The range of core/ elective options offered by institution is illustrated in table.

Degree	Options ( Subject wise)
B.Sc.	01) Zoology, Botany, Chemistry02) Mathematics, Physics, Chemistry03) Mathematics, Physics, Electronics
B.Com. Marathi and English Medium	<b>Part-I:</b> Business Economics, Principles of Management, Financial Accounting, Statistical Techniques, Business Mathematics and Basic Marketing Management. <b>Part-II:</b> Company Law, Monetary Economics, Corporate Accounting, Cost Accounting, Advertising Management. <b>Part-III:</b> Auditing and Taxation, Indian Economics, Advance Accounting, Business Communication, Commercial Law and Marketing Management
B.A.	Political Science, Sociology, Economics, History, English Literature, Marathi Literature, (Three subjects to be opted from amongst six) with compulsory languages Marathi and English.
M.Sc.	Botany, Chemistry, Electronics, Mathematics, Physics, Zoology.

➤ **Choice based credit system and range of subject offers :-**

The institution offers the choice based credit system in PG programme and from the next session in UG.

The range of subjects are core, skilled based, discipline specific electives.

➤ **Courses offered in modular form:**

All the PG programmes are run in modular form as per Gondwana University CBCS syllabus.

➤ **Credit transfer and accumulation facility. :-**

This facility is available to the students as per University norms.

➤ **Lateral & vertical mobility within and a cross programmes and courses:**

This facility is available to the students as per University norms.

➤ **Enrichment courses :-**

The institution offered certificate course in Plant Tissue culture under COP UGC.

**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.**

The institution offers self-financed programmes.

- Students are admitted according to merit.
- Vision and mission of the institution is to provide higher education to the students of economically and socially weaker section of the society, institution has started self-financed post graduate programmes.
- Under graduate English medium commerce programme is specially introduced to make students competent for the employability. There was special demand from the business community and also industrialization of Warora Taluka prompted the institution to start the course.
- These programmes are supported by government scholarships and free ships.
- Highly qualified (NET, SET, MBA) teachers are appointed.
- Salary is given on contract basis (15000/- per month consolidated fixed) and on clock hour basis (240/- per period) as per University norms.
- Fee structure is given in the following table as per the university rules and regulations.

S.N.	Programmes	Fee Structure
1.	B.Com (English medium)	Rs. 5716/- p.a.
2.	M.Sc. (Phy., Che., Bot., Zoo)	Rs. 24812/- p.a.
3.	M.Sc. Mathematics	Rs. 16440/- p.a.



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

The institution runs few programmes to develop skills among the students to make them employable as well as entrepreneurs.

- The institution provides additional skill oriented programme relevant to regional and global employment markets such as Certificate Course in Plant Tissue Culture under UGC’s Scheme of Career Oriented Programme.
- The institution conducts short term courses in collaboration with MCED, Government of Maharashtra, to provide vocational training in agro based industries, tally and DTP. The details are given in the following table :

S.N.	Skill oriented programme	Minimum eligibility	Stipend if any	No. of Students admitted
1.	Tissue culture	12 <sup>th</sup> Pass	Nil	76
2.	Tally and DTP	12 <sup>th</sup> Pass/Fail	1000/-	30
3.	Agro based industries	12 <sup>th</sup> Pass/Fail	1000/-	30

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

No.

**1.3 Curriculum Enrichment**

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

- The college students are given enough exposure to co-curricular activities like seminars, science quiz, general knowledge quiz, essay competition etc.
- This gives them an opportunity to interact with other fellow students.
- Participation in such activities increases the basic understanding of the students in relevant subjects and makes them realize the opportunities and challenges in the subject chosen.
- Selection of topics for these programmes is such that the students are made to think of the problems of the common people living in the

surrounding area and in the country as a whole. This exercise also helps them to inculcate the sense of nationality and brotherhood.

- The students also participate with great enthusiasm in extracurricular activities under the banner of NSS, NCC, Loksankhya Shikshanand Mahila Adhyayan wa Sewa Kendra, Science Association, Students Council, Sports activities, debate and elocution contests etc.
- Through all these activities, the students are made to realize the importance of self-help, dignity of labour, social equality; they are also made aware of the problems faced by rural men, women, farmers and other weaker sections of the society.
- Students interact with the villagers as part of their NSS activity and organize various programmes with special emphasis on AIDS awareness, community health and hygiene, environmental awareness, superstitions, and development of scientific temperament.
- Programmes relating to the ill effects of alcoholism, dowry and women illiteracy are also organized. All such activities bring the students closer to the society and this leads to the development of new ideas in the mind of students for improving the standard of living of their fellow villagers.
- The Information Technology and computer centre has benefited the students as they are now in a position of using computers. This is a dream come true for our students as this facility was made available to them free of cost, keeping in mind the low income of their parents, living in the remote and backward areas.
- The institution promotes the students to participate in educational and industrial tours. The students have an opportunity to get first-hand information on various issues mentioned in the curricula. It also provides the platform to interact with eminent personalities in different institutions / places.

**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 institution conducted certificate course in plant tissue culture under COP, UGC to develop skilled man power required by biotechnology industry.
- The college enriches the curriculum by giving hands-on training to the students in the laboratory as well as in the field.
- The language department has established digital language laboratory to enhance the capability of students in spoken English.
- Suggestions received from all stakeholders are discussed in the relevant University bodies and the suggestion regarding enrichment in curricula are incorporated by respective BOS of the University.

**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?**

Issues like Gender equality, Climate Change, Environmental Education, Human Rights are being addressed by the parent organization since 1949 under the able guidance of Late Shradheya Baba Amte. Programmes like Rid-the-Weed Programme, Crop-for-Every-Drop, Biogas Plant, Plastic Recycling Unit, Recycling of sewage water for irrigation and fisheries, Agroforestry, Horticulture, Construction of check dams and small lakes for rain water harvesting etc are some of the important issues which have been critically implemented by Dr. Vikas Amte, Secretary MSS. Honourable Late Sadhanatai and Dr. Bharati Amte have pioneered and always addressed the issues of gender equality and have motherly approach to all the girls and women working in Anandwan as well as in the institution. All such activities have always been source of inspiration to the institution.

➤ **Gender :**

- This institution is co-educational institution and ensures gender equality and equal opportunity.
- The institution has constituted women grievance redressal cell to address the issue of girl-students and women employees.
- The institution has established anti-ragging committee to safeguard the students.
- In addition, the institution has general discipline committee to ensure general discipline in the campus.
- The institution also has 'Mahila Adhyan Wa Sewa Kendra' that deals with issue of women empowerment.
- The college has well-furnished and spacious girls common room facility.

➤ **Climate Changes and Environmental Education.**

- The institution always encourages the students to maintain green and clean campus.
- Climate change issue is a part of their curriculum and the students are made aware of these issues through various activities like nature club, science forum etc.
- Environmental education is the compulsory part of the curriculum and the students participate in different programmes like poster competitions and essay competitions reflecting environmental issues.
- Field visits are also organised and students are also motivated for environment protection through NCC and NSS activities.

➤ **Human rights :**

- Guest lectures are organized to address the issue of human rights and the Bar-Council of Warora delivers the lectures on this issue every year.
- Faculty members also emphasize this issue in their regular teaching-learning process.
- The institution celebrates “Samvidhan Diwas” to create awareness among the students about human rights and fundamental rights.

➤ **ICT :**

- The entire campus is Wi-Fi/LAN enabled and ICT facility is available in all the departments.
- The institution also provides Audio-Visual and multimedia facility, and the faculty members make optimum use of it.
- There is a well-equipped IT laboratory where the students are trained to use ICT.

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

➤ **Moral and ethical values :**

- These values are inculcated in the students through various programmes and special lectures organized on the birth and death anniversaries of great social reformers and thinkers. Similarly the institution regularly celebrates National festivals like Republic Day, Independence Day and Science Day etc. to inculcate ethical values among the students.
- The students are also motivated to participate in intra and inter collegiate debate, elocution and essay competition based on the theme of moral and ethical values.
- Various programmes are organized by NCC and NSS to inculcate these values among the students.

➤ **Employable and life skills:**

- The institution conducted certificate course in plant tissue culture under COP, UGC to develop skilled man power required by biotechnology industry.
- The curriculum is enriched by giving hands-on training to the students in the laboratory as well as in the field.
- The language department has established language laboratory to enhance the capability of students in spoken English.
- Suggestions received from all stakeholders are discussed in the relevant University bodies and the suggestions regarding enrichment of curricula are incorporated by respective bodies of the university.
- The institute has well-equipped gymnasium and a large play ground with sports equipments that is used by the students regularly not only to maintain good health but also compete in physical fitness test required

for recruitment in Armed forces, CRPF, SRPF and Police etc. Many of our students have been benefited by these facilities.

➤ **Better career options**

- This institution has a career guidance and placement cell that arranges in-campus meetings of various employers with the students.
- It also organizes guidance lectures for the students.
- Students are also informed to refer to employment news, research journals carrying employment advertisement, magazines like University Newsletters, Yojana and Udyojak etc.
- The institution also organizes special guidance and coaching for entry in services.

➤ **Community orientation :**

- Different activities addressing the issues of rural people are undertaken through NSS, NCC camps and rallies organized from time to time.
- Specific issues relating to women empowerment, adult education, pre-marital counselling etc. are dealt with in various programmes organized by Mahila Adhyayanwa Sava Kendra and Loksankhya Shikshan.
- In general, students are also exposed to various community related issues like addiction, AIDS and dowry etc.
- Every year Blood donation camp is organized in the institution and students also volunteer in the megacataract operation camp (10 days) organized by the parent organization.

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

- The institution interacts with the stakeholder's informally to take feedback on the enrichment of curriculum. The suggestions that can be immediately implemented are taken care of by respective department and the faculty.
- The stakeholders give their suggestions to the University regarding the enrichment of curriculum which are suitably incorporated by respective bodies of the University.
- Based on informal feedback, the institution has also taken measures to impart ICT training to the students.
- Based on informal feedback from the students, individual faculty also guide on topics included in different competitive examinations like UPSC, MPSC etc.

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

- The institution regularly monitors the quality of enrichment programmes through the feedback, departmental meeting and the IQAC.
- The level of the students and their understanding is monitored through internal examinations and seminars etc.

**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?**

- Dr. M.C. Kale, Dr. M.S. Deshpande & Dr. V.D. Bhandakkar are the members of Academic Council, RRC and BUTR of Gondwana University, Gadchiroli.
- Dr. M.C. Kale, Dr. M.S. Deshpande & Dr. V.D. Bhandakkar are the chairman of BOS, Gondwana University, Gadchiroli and Dr. G.K. Singh, Dr. Mrs. R. H. Lad, Dr. A.P. Sawane and Dr. C. K. Jiwane are the members of BOS and they actively participate in curriculum design of Gondwana University, Gadchiroli.
- Dr. M.S. Deshpande is a member of BCUD, Gondwana University, Gadchiroli. The faculty members of the institution have suggested changes in the existing curriculum and these changes have been incorporated in university curriculum.
- During the session (2016-17) University has implemented CBCS in PG Courses. The plan of examination, regulations and directions have been prepared by University level committee in which, Dr. M.S. Deshpande, Dr. M.C. Kale and Dr. V.D. Bhandakkar played the active role.
- The requirements and difficulties of the students related with the curriculum are communicated to the university through the faculty members involved in the development of curriculum. Informal feedback taken from all the stakeholders gives specific and desirable shape to the curriculum.

- The institution organizes workshops for providing the platform for discussion and restructuring of the syllabus.

S.N.	Workshop on Curriculum Design	Date
1	One day workshop: Opportunities for B.Sc. students.	18/12/11
2	One day workshop: Scope of syllabus of B.Sc. Sem-I, II in Botany, Gondwana University, Gadchiroli.	07/07/12
3	One day workshop: Scope of syllabus of B.Sc. Sem-I, II in Zoology, Gondwana University, Gadchiroli.	07/07/12
4	One day workshop: Scope of syllabus of B.Sc. Sem-I, II in Physics, Gondwana University, Gadchiroli.	07/07/12
5	One day workshop: New Syllabus of B. Sc. V and VI Semester in Chemistry, Gondwana University, Gadchiroli.	30/08/13
6	Two days Gondwana University Research Festival-AVISHKAR 2013	30-31 /12/2013
7	National Mathematics Day: Lecture series	14/02/15
8	Two Weeks Computer Literacy Training Program for the Girls students.	22/07 to 06/08/2015

**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?**

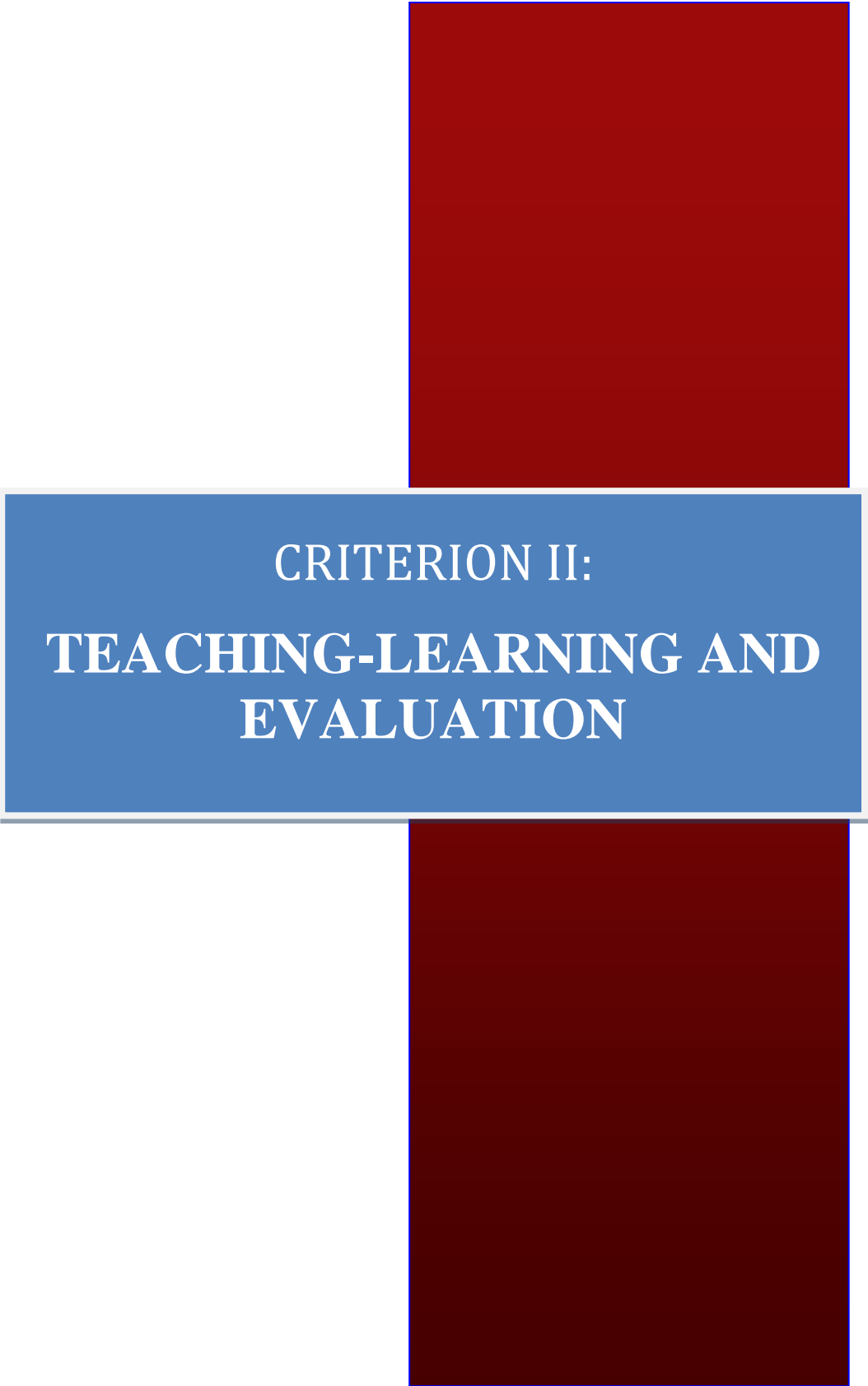
The University and other statutory bodies formally interact with stakeholders and take appropriate measures for improvement of curriculum through the respective BOS.

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

- The institution has introduced one new UG programme in B.Com English medium and six PG programme in the subjects Botany, Zoology, Electronics, Physics, Chemistry and Mathematics out of which PG in Botany, Physics, Chemistry, Mathematics and Zoology have been started.
- The College has initiated the process for the recognition of Centre for Higher Learning and Research (CHLR).

**Rationale**

- There was heavy demand from the students, particularly from the Business community, to start English Medium commerce degree course.
- In the last few years Warora Taluka has become an Industrial Hub. Therefore, to meet the demand of the industries, particularly for account and Book Keeping, B.Com. in English Medium was started.
- To meet the demands of local students, to provide facilities of P.G. courses in science at affordable cost, the institution has started PG programmes.



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



## Criterion-II: Teaching-Learning and Evaluation

### 2.1 Student Enrolment and Profile

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

- The detailed information is provided in prospectus of the institution about the college, courses offered, certificate courses, infrastructure facilities, eligibility criteria for admission to each course, fee structure, subject combinations, and information about academic as well as support facilities, academic calendar, rules and regulations, Government scholarships, free-ship, awards and prizes for rank holders etc. The information about various academic programmes is also published in print media.
- The programme of admission is displayed on the institution's notice Board. The admission committee guides the students and parents about the admission process and courses offered etc.
- Based on the applications received, merit list is prepared and displayed on the notice board and communicated to the students.
- Admissions are strictly followed as per the rules, regulations and reservation policy laid down by Govt. of Maharashtra and University.

#### 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.

Admission committee is constituted for admission in all programmes run by the institution and published in the prospectus. Students are admitted strictly on merit basis. Admission committee counsel the students to help them to choose the optional subjects.

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

The minimum and maximum percentage of marks at entry level offered by the college along with the comparison with other colleges is given below.

**UG Courses: 2015-16**

Sr. No.	Programme	A.N. College Warora		N. S. College, Bhadrawati.		Lokmanya Mahavidyalaya, Warora.	
		Max. %	Min. %	Max. %	Min. %	Max. %	Min. %
1	Science	77.23	37.07	62	35	--	--
2.	Arts	79.69	39.07	60	35	80.46	40.35
3.	Commerce	84.15	38.46	--	--	82.77	36.00

**PG Courses (M.Sc.): 2015-16**

Sr. No.	Programme	A.N. College, Warora		N. S. College, Bhadrawati	
		Max. %	Min. %	Max. %	Min. %
1	Physics	62.16	49.50	65.00	40.00
2.	Chemistry	73.00	63.00	63.00	45.00
3.	Botany	68.32	52.00	64.00	46.00
4.	Mathematics	83.10	48.00	66.00	45.00

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

- Yes, the college has a mechanism to review the admission process and student profile annually.
- At the beginning of academic session, the Principal holds a meeting with the members of the admission committee to discuss the faculty-wise intake of the students, Government and University rules and regulations, the reservation policy etc.
- Grievance regarding the admission process is addressed by the admission committee.
- After the completion of admission process, admission committee reviews the different issues regarding the process and subsequently incorporates the suggestions in the admission process next year.
- The students' profile is prepared on the basis of data furnished in the admission form and stored in the office.
- This mechanism has ensured equal opportunity to the students from all categories. This also ensures fair and transparent admission process.
- Quality intake of students has improved marginally.

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

- As per the mission and vision of Founder Secretary, Anandwan, Late Shradhey Baba Amte, great philanthropist, educationist and social reformer, the institution is committed to spread education amongst SC / ST / OBC / Women / Differently-abled / Economically Weaker Section/ Minority Community etc.
- The college takes care to ensure the reservations as per Government of Maharashtra notifications and University norms as under:

Category	Percentage of Reservation
Scheduled Caste (SC)	13
Scheduled Tribe (ST)	07
Vimukta Jati (VJ)	03
Nomadic Tribe (NT-A)	2.5
Nomadic Tribe (NT-B)	3.5
Nomadic Tribe (NT-C)	02
Other Backward Class (OBC)	19
Special Backward Class (SBC)	02

- If the seats remain vacant, students from other category are admitted as per guidelines given by University.
- The students who do not get any kind of financial aid from Government, i.e. scholarship/concession etc. are supported by the institution to fulfil their financial burden to pursue their studies.
- The institution provides uniforms free of cost to the needy /divyang students. In addition, Shri Anil Warkhede generously donates 10 uniforms for the students every year.
- As majority of the students come from small villages in the vicinity, institution requests Warora State Transport depot to adjust the Bus timing.

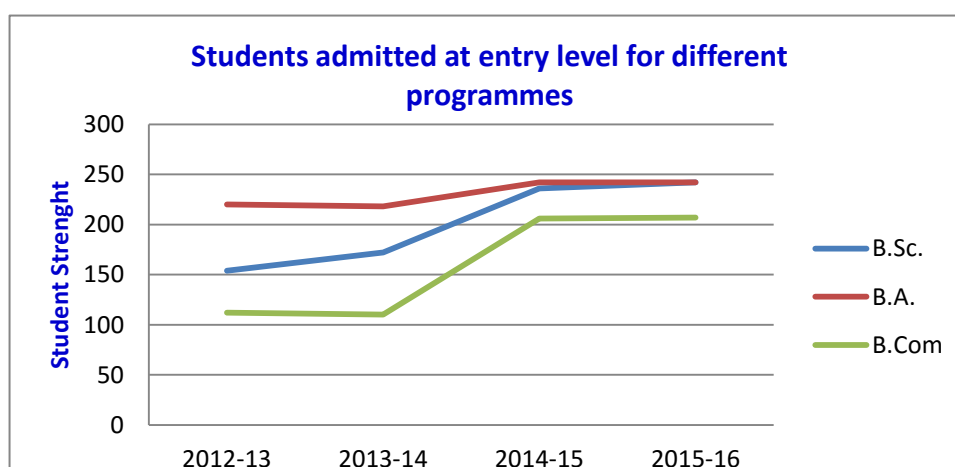
The following table shows the percentage of SC/ST/OBC/Women students admitted during the last four years.

Category	2012-13			2013-14			2014-15			2015-16		
	Student Strength	Admitted Students	%	Student Strength	Admitted Students	%	Student Strength	Admitted Students	%	Student Strength	Admitted Students	%
SC	832	102	12.25	916	119	13.00	1123	123	10.95	1366	138	10.02
ST		131	15.74		146	15.92		188	16.74		228	16.55
OBC		439	52.76		492	53.71		633	56.18		790	57.37
Woman		493	59.13		506	55.89		717	65.00		906	65.79
Differently abled		03	0.36		07	0.76		15	1.3		10	0.72
EBC		75	9.01		70	7.64		54	4.80		65	4.72
Minority		10						01			08	
VJ, NT		72	8.65		95	10.37		102	9.08		121	9.58
SBC		16	1.92		09	0.98		15	1.42		23	1.67

**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.**

The following table gives the number of students applied and admitted at entry level of the different programs:

Programmes & Subject Combination	Number of application received				Total number of students admitted				Demand ratio			
	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16
<b>UG Programmes</b>												
<b>B.Sc.</b>	255	328	388	623	154	172	236	242	1:0.6	1:0.7	1:0.9	1:2.6
<b>B. A.</b>	385	400	452	700	220	218	242	242	1:0.9	1:0.9	1:1.86	1:2.9
<b>B. Com.</b>	192	202	229	254	112	110	206	207	1:0.5	1:0.5	1:0.9	1:0.9
<b>PG Programmes</b>												
<b>Phy.</b>	-	-	-	22	-	-	-	22	-	-	-	1:1
<b>Chem.</b>	-	-	-	07	-	-	-	07	-	-	-	1:0.3
<b>Bot.</b>	-	-	-	15	-	-	-	15	-	-	-	1:07
<b>Math.</b>	-	-	-	22	-	-	-	22	-	-	-	1:1



- The increasing admission trend in all the faculties in the institution is due to best faculty, infrastructure and effective implementation of the curriculum.
- Over a span of last four years, the demand for seeking admission in all the faculties is increasing and in Arts faculty, it is almost double the intake capacity
- Laboratories of Departments of Physics, Electronics, Zoology and Botany and Chemistry have applied for recognition as Centres for Higher Learning and Research to the Gondwana University, Gadchiroli. A number of students are already taking advantage of research facilities available in the institute to pursue their Ph.D. degree.

## **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 institution strictly adheres to the Government norms regarding the needs of differently abled students.
- The institution has provided support wherever necessary.
- The students are encouraged at every level and are extended with all necessary facilities and cooperation by the teaching and non-teaching staff within the campus.
- They are provided special assistance in the library.
- They are also provided with special seating arrangement during regular classes and the University examinations. A writer is provided to such students.
- The institution has ramps near the stair case for their mobility. Special toilet facility is also in place.

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

- At the beginning of the session, individual faculty interact with the students in their regular classes to know about various background they come from, their interest in the subject and their weaknesses and fear.
- The science students are taught about the basics of different laboratory equipments, principles of working and wherever necessary they are taken to the field for introductory practical knowledge.
- Since the computer literacy is essential for science students, they are informed about computer basics and are advised to do MSCIT course.

- To cite few examples, the students of Physics, Electronics, Chemistry, Botany and Zoology are informed about basic principle, applications, calibration of the instruments.
- The students of Botany and Zoology are taken around in the campus and informed about flora and fauna observed there in.
- The students are advised to avail of all the facilities in the college like the central library and computer laboratory.
- The students are motivated to participate in activities like Nature club, Science Association, Literary Club etc. and supporting activities such as NSS, NCC, games and sports etc.

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

- Initially, the new entrants are made comfortable in new academic environment and are encouraged to have positive attitude about the program they have chosen.
- They are informed about the potentials, avenues and opportunities in the respective subjects they have chosen.
- While doing so, they are also informed about different learning resources like study materials etc. and about different books available in the central library.
- At the entry level, first few lectures in each subject are devoted to bridge the knowledge gap.
- The slow learners are identified on the basis of their percentage at HSSC, conducting unit test and quiz etc.
- Throughout the year, extra classes and remedial classes are conducted for the slow learners.
- Considering the progress in all the subjects, students, are given an opportunity to acquire advanced knowledge in few practical subjects by providing them hands on training on instruments in the laboratories.
- Though the institution does not conduct any regular enrichment courses, it provides facilities like laboratory, computer, library etc. to enrich their subject knowledge.
- Guest lectures are organized to enrich the curriculum.
- To improve upon the employability of the students, they are trained in different skills like communication skill, mushroom cultivation, vermi-composting, apiculture and maintenance of various laboratory instruments.

- In addition, the institution organizes co-curricular activities like essay competitions, quiz competitions, seminar and poster presentation etc. to improve academic performance of the students.

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

- Since its inception, the institution is co-educational and has always maintained gender equality and inclusion and has provided equal opportunity to all the students.
- The staff and the students are sensitised in these issues through organization of seminar, workshop, guest lectures on relevant topics like women empowerment, women foeticide, etc.
- A lecture by eminent social worker and medical practitioner Dr. Rani Bang of SEARCH foundation was organised on the issue relating to the physical and psychological changes in teenage boys and girls.
- Mrs. Pallavi Amte delivered a lecture on female hygiene and foeticide.
- These issues are also addressed in various activities carried out by NSS, NCC, Mahila Adhyayan wa Sava Kendra and Loksankhya Shikshan.
- To focus on environmental issues, students are encouraged to participate actively in tree plantation programme, organization of Vrikshdindi, Shramdan, and Swachha Bharat Abhiyan. Environmental study is compulsory part of curriculum in semester IV.
- Biodiversity awareness and conservation are some important issues and students are involved in raising nursery of forest trees to make them realise the importance of such issues.

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

- The institution identifies advance learners on the basis of marks obtained in the previous year as well as on the basis of class room interaction and performance in the various academic activities including home assignments etc.
- The advance learners are asked to refer different books available in the central library and are motivated to use various educational web sites and e-learning resources.
- The library has Book Bank Scheme where-in additional books are provided to the advanced learners.
- The advanced learners are constantly encouraged to peruse higher education and to face different competitive examinations.



- The teachers take extra efforts to train and support the students in the best possible manner.
- Advanced learners are given full academic assistance and financial support to participate in various competitions like quiz, elocution, debate, science exhibition etc.
- Motivational lectures are organized to channelize their potential to accomplish their goals.

**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 dis-advantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?**

- Academic performance is documented by the departments. The slow learners are identified and are given guidance to improve their performance.
- The students from dis-advantaged section of the society, differently abled (Divyang) and economically weaker section are identified and faculty maintains regular rapport with them.
- The concerned department identifies such students that are likely to drop out and refers them to the administration for remedial action.
- Accordingly, the administration provides financial support, facilitates issuance of concessional bus pass and recommends suitable low cost accommodation in the Government and privately managed hostels.
- Individual faculty members boost the morale of such students and also provide them financial support and books etc.

**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 blueprint, etc.).**

The institution's academic calendar is published in the institution prospectus and made available for the stakeholders well in advance. The details of departmental academic calendar, teaching plans and evaluation methods and schedule are displayed by the various departments at the beginning of the session.

- The time table committee frames the time table and displays it at the beginning of the session on the notice board.
- The Heads of the respective departments distribute the teaching workload and accordingly individual faculty member plan their academic schedule and communicate it to the students.
- The Heads of the departments through the departmental meetings submit annual academic plan to the office every year. The academic,

curricular and co-curricular activities are conducted according to the plan.

- The individual faculty member monitors students' progress through unit tests, seminar and home assignment etc.
- Extra efforts are taken for the regular counselling and questionnaires by the faculty members for student's evaluation.
- The overall teaching learning process is monitored by the IQAC.

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

- The IQAC encourages faculty members to participate in the faculty development programme.
- IQAC interacts with the faculty to discuss issues related to effective implementation of the teaching-learning process.
- The IQAC promotes and motivates the faculty members to register for doctoral research and also submit minor/major research projects.
- On the basis of recommendations of IQAC, institution provides incentives to the faculty members to publish and present research papers in reputed journals, national and international conferences.
- As a part of the IQAC recommendations, faculty takes extra efforts for improvement of the academic performance of students by promoting the use of ICT and remedial coaching.
- The IQAC recommends augmentation/expansion of library infrastructure and teaching facilities to the Management.

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

- The institution always promotes student centric learning and gives full support and assistance to the teacher to improve teaching-learning.
- The institution has provided the basic infrastructure facilities like class rooms and independent departments to the faculties.
- Special financial and administrative assistance is provided to the faculty as well as students for study tours, field visits, student seminars and workshops etc.
- The students have separate reading room facility in the library.
- The students are given book bank scheme facility as well as they are given individual e-mail to access INFLIBNET facility.
- Students have the privilege to publish their articles, poems and other creative articles in the magazine- 'Anand Niketan'.

- Eminent personalities from different walks of life are invited to deliver lectures on varieties of career options and competitive examinations.
- Students from UG/PG level are encouraged to participate in Awishkar/workshops/conferences/seminars.
- NSS organizes extension and outreach activities in rural areas to acquaint students with social, environmental, educational and health related issues.
- Following support schemes are available to the faculty and the students.
  - ✓ Audio-visual and ICT facilities.
  - ✓ Internet facility and Wi-Fi connectivity.
  - ✓ Well-equipped science laboratories and departments.
  - ✓ INFLIBNET facility and the central library.
  - ✓ Digital Language laboratory.
  - ✓ Laptop/desktop and LCD projector in various departments.
  - ✓ Uninterrupted and stabilised power supply is maintained through 50KVA generator, 03 inverters, stabilisers and UPS.
- All the faculty members are provided with personal computers/laptop with internet LAN/Wi-Fi facility.
- The faculty members are given full autonomy to purchase/recommend reference books.
- Separate reading room facility is provided to the faculty members in the library.
- As per the requirement of the faculty audio-visual teaching aids are provided.

**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?**

- Class room lectures are made interactive by encouraging the students to ask questions related to the topics. Teachers also pose questions to find out whether the students have understood the topic well.
- Departments are equipped with OHP, LCD projectors, models, charts and internet. Teachers prepare and provide study material to the students.
- With the aim to nurture critical thinking, creativity and scientific temper of the students, the institution encourages the students to participate in various academic and scientific programmes like VUPTA students activities, inter collegiate student seminars etc.

- Various other programmes like poster presentation in AVISHKAR and publication of articles in the college magazine also nurture thinking aptitude in students.
- Guest lectures are organised on the occasion of birth and death anniversaries of eminent scientist and social thinkers to impart value education to the students.

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

- The institution makes extensive use of modern technologies to make teaching-learning more effective. Departments have facilities of computers with internet and Wi-Fi connectivity so as to enable students to prepare their seminar presentations etc.
- The faculties extensively use e-learning, some of the departments are using advanced software like MAPLE, Lab VIEW and Virtual Instrumentation, video lectures on you tube, power point presentations, e-books and e-notes etc.
- The students access the various academic web sites (open educational resources) and visit research institutes and industries.

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

- The teachers are encouraged to participate in national and international conferences/seminars/symposia/workshops/training-programmes/refresher/orientation courses to keep themselves abreast of the recent developments and advanced knowledge in the respective areas of specialization.
- The faculty is also motivated to do research in their respective fields. This keeps them in touch with the latest development in the subject.
- The institution organizes guest lectures/ seminar/workshop/conference to acquaint students and teacher with the recent developments/trends in various subjects.
- A provision to grant study leave for higher studies and research under the Faculty Development Programme (FDP) is available.
- The well-equipped computer laboratory and central library with INFLIBNET facility facilitate the students to acquire competence.

- The departmental activities such as field tours and excursion etc. are blended with routine teaching-learning activities. Digital Language Laboratory and literary association are the means of providing, linguistic competency in terms of grammar and writing.
- Workshops and seminars are organised for students to provide hands on training in skills like mushroom cultivation, vermicomposting, apiculture etc.

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

- For academic, personal and psycho-social support, the faculty members help students to overcome their personal and psycho-social issues.
- Problems regarding study, health, financial issues are addressed by personal interaction with the students.
- For professional counselling, career guidance cell organises guest lectures. Extension activities through NCC and NSS etc. help them in grooming leadership qualities, team work, self-esteem, ethics, shouldering responsibility etc. They are also encouraged to participate in seminar/quiz/workshop.

**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 students learning?**

- The faculty members have adopted various innovative teaching approaches /methods.
- Experimental models/charts are used to explain the basic concepts to the students.
- OHP/LCD projectors are used to explain details of the topics.
- Use of ICT, e-learning, power point presentation in teaching learning process has increased.
- Guest lectures on innovative topics and visits to research institutes are organised.
- Exposure to field work through excursion/educational tours and social commitment through extension activities.
- The institution has set up Modern digital language laboratory wherein the students are taught linguistic skills.

**Impact:**

- Students participated/ presented papers in workshops/ conferences/ seminar/ quiz etc.
- Students secured merit positions, bagged awards/prizes in university examination.
- Some students succeeded in NET/SLET.

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

- Library plays a vital role in teaching-learning process. The college central library has sufficient number of text books and reference books for the students and the faculty.
- The institution has central library which is equipped with INFLIBNET and Wi-Fi facility for students and faculties.
- Library subscribes national / international journals, periodicals, newspapers, magazines, competitive examination books, project volumes, manuals and provides the facility of reprography.
- Some of the departments maintain departmental library for students and faculty.
- All these efforts are meant for maximum use of library resources to augment the teaching –learning process.

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

- Yes, the institution has identified following challenges in completing the curriculum.
- Slow learners need more time to assimilate the contents. This decelerates the teaching learning process.
- The loss of teaching hours due to co-curricular and extra-curricular activities.
- The students coming from surrounding remote areas also have to face difficulty in transportation.

**The institutional approaches to overcome these challenges are:**

- For slow learners the faculty takes extra efforts (remedial coaching) to complete the prescribed syllabus.
- To make up the loss of teaching hours due to co-curricular, extra-curricular activities, holidays, leaves, and transportation problem, teachers engage extra classes.
- The Principal, Heads of the department and IQAC monitor and ensure the completion of syllabi and other academic activities.

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

- The Principal monitors the regular classroom teaching throughout the year.
- The IQAC emphasizes on various teaching methods in general and is instrumental in promoting the use of audio-visual aids among teachers in particular.
- The Institution is also committed to provide all necessary and advanced facilities which improve teaching-learning.
- Interactive Teaching methods help in evaluating the learning process.
- Assignments, Seminars, Excursions and various co-curricular activities act as checkpoints for the learning activities.
- Unit tests are conducted on regular basis to evaluate the performance of the students in respective subjects.
- A suggestion box is placed outside office to get feedback which helps to monitor and evaluate quality of teaching-learning.
- Faculty evaluation is done through self-appraisal (PBAS). Subject wise result is analyzed and discussed in the meetings and corrective measures are suggested if any.

**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 teacher) to meet the changing requirements of the curriculum.**

- The policy of recruitment is transparent and management strictly follows Government of Maharashtra, Gondwana University and UGC regulations. The appointments of faculty are made strictly on the merit basis.
- The institution provides conducive atmosphere and provides opportunities to faculty members to improve their expertise in the subject by granting them study leave, FDP to pursue higher studies (M.Phil/Ph.D.) and duty leave to attend seminars/ conferences/ workshops/ short-term course (one week)/ orientation and refresher courses.
- The staff members are motivated to do the research work by undertaking major and minor research projects for which laboratories and infrastructure are made available as per their requirement.

- The incentives are given to the faculty members for paper presentation in conference/seminar/workshop and publication in the reputed journals.

The institution has fully qualified and competent teachers as under:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	00	00	00	00	00	00	00
Ph.D.	00	00	05	01	07	02	15
M.Phil.	00	00	01	00	01	02	04
NET/SET	00	00	00	00	09	00	09
PG	00	00	02	00	00	00	02
Clock Hour Basis (CHB) Teachers							
Ph.D.	00	00	00	00	05	01	06
M.Phil.	00	00	00	00	00	00	00
NET/SET	00	00	00	00	01	04	05
PG					10	25	35

**2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new program/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 last three years.**

- The new changes in the syllabus introduced in formal teaching program are addressed by the existing faculty members, which keep abreast with advancement in the subject through research and participating in conferences, workshop, seminar, refresher courses etc.
- The institution has organised National Conferences in various subjects and workshops on changes and restructuring of syllabi.

**2.4.3 Providing details on staff development programs during the last four years. Elaborate on the strategies adopted by the institution in enhancing the teacher's quality.**

- The institution encourages the teachers to go for higher studies. FDP /study leave is granted to the staff to pursue research degree (Ph. D.).
- Duty leave is granted to attend seminars/ conferences/workshops /short term course (one week)/orientation, refresher courses and for pre-registration and post submission Ph. D. viva.
- Central Library is equipped with reference books, e-books, educational CDs, Journals, Manuals and INFLIBNET etc.



- The faculties are invited as convener, organizing secretary, chairperson, keynote speaker and resource person to deliver talk during national and international conferences etc.

**a) Nomination to Staff development Programme (2012-13 to 2015-16):**

<b>Academic staff development program</b>	<b>Number of faculty</b>
Refresher course	11
HRD Programs	Nil
Orientation program	08
Short term Course	04
Staff training conducted by the college	12 (workshops on new syllabi)
Staff training conducted by university/other colleges	12 (workshops on new syllabi)
Summer/Winter schools, workshops, etc.	Nil

**b) Faculty training programs organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning.**

❖ **Teaching learning methods/approaches**

The IQAC extends information on various teaching-learning methods during meetings and informal interactions. The faculties of various departments share their views and information with each other regarding teaching learning methods during the routine interactions.

❖ **Handling of new curriculum**

The institute provides information on curriculum and timely updates through the library. The library advisory committee seeks new requirements of books from the teachers and makes the books available to handle new curriculum. The institute allows the teachers to attend curriculum related workshops organized by the university or other institutes. The institute has organized workshops on new syllabi.

❖ **Contents/Knowledge Management**

Institution organized workshop for faculty on these issues in accordance with new syllabi. The faculty members are encouraged to attend the short term courses, workshops and guest lectures pertaining to contents/knowledge management.

❖ **Selection, development and use of enrichment materials**

The issue of selection, development and use of enrichment materials is discussed during the departmental meetings. Some departments have prepared study material on their own and are made available to students.

❖ **Assessment**

The assessment is done at the end of the session in the departmental meetings.

❖ **Cross Cutting Issues**

The institute has recently initiated English Coaching for students to develop communication skills. The expertise in the institution share their experience and knowledge with other faculty members and students.

❖ **Audio Visual aids/ multimedia**

The faculty members share their expertise among themselves. The activity of sharing of knowledge has benefitted the faculty in learning to prepare power point presentations, besides sharing information on various topics with the colleagues. The faculty also receives help in learning the use of internet for academic purpose.

❖ **OER's**

Though there is no formal training program organized by institution, some faculty members use OER on their own.

❖ **Teaching-learning material development, selection and use**

The faculty develops teaching-learning materials in the form of notes, solved numerical, essays, letters, field notebook formats, practical record formats, and model answers.

c) **Percentage of Faculty:**

❖ **Invited as resource person in work shop /seminars /conference/Guest lectures organized by external professional agencies:**

Year	Total Number of Faculty	Number of Faculty Invited as Resource person	Percentage
2012-13	27	04	14.81
2013-14	30	04	13.33
2014-15	30	06	20.00
2015-16	30	07	23.33

❖ **Participated in external workshops / seminars /conferences recognized by national / international professional bodies**

Year	Total Number of Faculty	Number of Faculty Participated	Percentage
2012-13	27	27	100
2013-14	30	30	100
2014-15	30	30	100
2015-16	30	30	100

- ❖ **Presented papers in workshops / seminars /conferences conducted or recognized by national / international professional agencies.**

Year	Total Number of Faculty	Number of Faculty Presented research Papers	Percentage
2012-13	27	10	37.03
2013-14	30	15	50.00
2014-15	30	14	46.56
2015-16	30	11	36.66

**2.4.4 What policies and systems are introduced to support and energize teachers? (E. g. Providing research grant, study leave, support for research and academic publications, teaching experience in other institutions and specialized program, industrial engagement etc.)**

- ❖ **Providing research grant:**  
The institution motivates the teachers to go for major/minor research projects and innovative projects funded by UGC, etc.
- ❖ **Study leave:**  
A provision for study leave is available to the teachers for higher studies and research.
- ❖ **Support for research and academic publications**
  - ✓ The faculty is encouraged to participate/ present papers in national/international/seminars/workshops/conferences/symposia etc.
  - ✓ Duty leave is provided for attending and presenting papers in national /international/seminars/workshops/conferences/symposia etc.
  - ✓ Incentives are given for research paper publication in peer reviewed journals of national / international/ seminars/ workshops/ conferences/ symposia etc.
  - ✓ Five departments (Physics, Chemistry, Electronics, Zoology and Botany) have applied to Gondwana University, Gadchiroli for granting Centre for Higher Learning and Research (CHLR).
  - ✓ The central library has all resources for the advanced research study i.e. e-learning, INFLIBNET, research journals and advanced reference books.
- ❖ **Teaching experience in other institutions**  
Faculty members of the institution are invited for guest lectures.
- ❖ **Specialized program, industrial engagement etc.**  
Dr. A.P. Sawane and Dr. M.C. Kale attended specialized programme on taxonomic study of spiders organized by Indian Arachnology Society, at Amravati.

**2.4.5 Give the no. of faculty who received award /recognition at the state, national, and international level for excellence in teaching during the lastfour 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 teaching-learning evaluation.**

- The institution follows the self-appraisal method to evaluate the performance of Teacher.
- The Principal and teachers obtain the feedback from stakeholders.

## **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 information about the tentative dates of unit tests and internal assessment are given in the academic calendar and displayed on the departmental as well as office notice boards.
- Information about submission of assignments is displayed on the notice board well in advance to help the students to plan and prepare effectively.
- The report of evaluation is made available to all stakeholders.
- The valued answer books are given to the students by respective faculty. The model answers are discussed with the students.

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

### **❖ The major evaluation reforms of the university**

- Semester pattern at UG and PG courses.
- Choice Based Credit System, semester pattern is implemented for PG courses from the session 2016-17 and will be implemented for UG from the session 2017-18.
- On line question paper delivery system has been introduced by the University for UG and PG courses.
- On screen evaluation for PG courses is adopted by the University.

- The University has introduced a transparent system of evaluation by providing photocopy of the valued answer books.
- ❖ **The evaluation reforms initiated by college**
- The concerned department maintains the record of internal assignments.
- At the beginning of each semester, every teacher informs students about the scheme of marking for internal assessment.
- The faculty members' conduct surprise tests, student seminars, viva-voce, quiz etc. for assessment and evaluation of the students.

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

- University has a provision of giving photocopy of the valued answer books. The faculty members and the office staff help and guide the students in this regard so that he/she can go for reevaluation.
- The institution strictly follows the assessment /evaluation reforms as suggested by University.
- Evaluation reforms are communicated to faculty members and students.
- Institution has augmented its infrastructural facility for implementation of University examination reforms such as on line question paper delivery etc.

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

❖ **Formative evaluation**

As per the guidelines of University, 10/20 marks are assigned for internal assessment for each paper of different subjects. The students are assessed on the basis of class test, attendance, project assignments, seminar, study tour, industrial visits.

❖ **Summative evaluation**

Tests as per the university pattern are conducted prior to university examinations. Contact programmes are arranged to clarify the doubts of students. Because of this practice, the student's performance is improved. A few students secured positions in the merit list of university examination and also won the awards/prizes.

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

The introduction of the semester system and internal assessment has proved to be beneficial for the students. This has improved the student attendance in the classroom; they spend more time in the library and actively participate in curricular activities.

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

- Research aptitude is instilled among the students through field visit, visit to research institutes and participation in Awishkar like programs.
- Discipline, team work culture, social and ethical values are inculcated by involving the students in various activities through NSS and NCC.
- Hands-on practice on various instruments/apparatus develops problem solving and application skill.
- National anthem is sung regularly in the respective class rooms.
- The students are encouraged to speak on the occasion of birth and death anniversaries of notable thinkers and social reformers.

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

The University has mechanism for redressal of grievances with reference to evaluation. Revaluation applications are processed through the institution for necessary action.

**2.6 Student performance and Learning Outcomes**

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

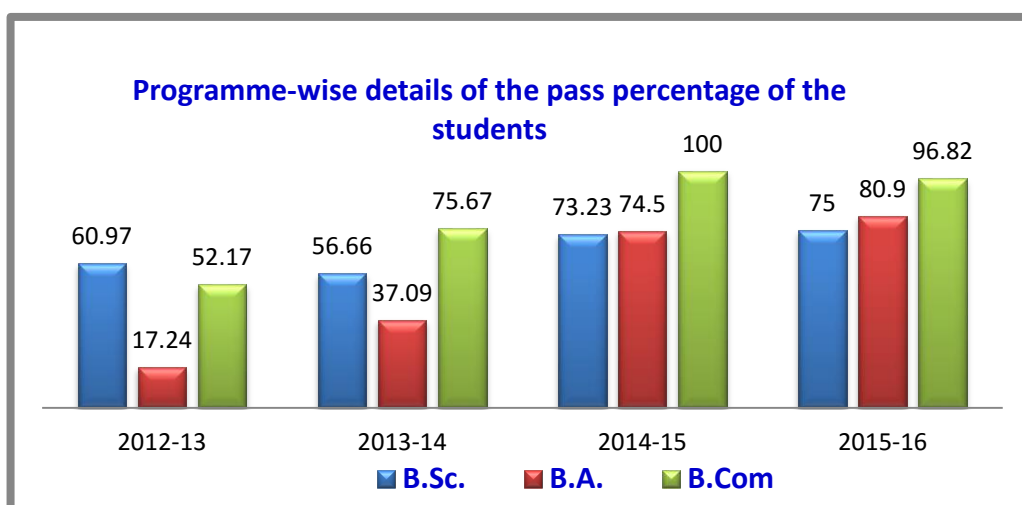
Yes, the institution has clearly stated learning outcome through vision, mission and objectives of the institution in its prospectus. The Principal and Head of the departments, regularly speak on the vision, mission and learning outcome and opportunities in their speeches throughout the year.

**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 analysis of the student's results / achievements (programme / course wise for last four years) and explain the differences if any and pattern of achievement across the programmes/course offered.**

- The institute conducts unit tests to monitor the progress of the students. Their doubts are clarified and tips are given to them to improve the performance.
- The names of students who brought laurels to the institution by securing merit position in the university examination are displayed on the notice board and their names are published in the prospectus and college magazine.
- A due appreciation is extended to students for their achievement in sports, NCC, NSS and cultural events.
- Prizes are given to achievers in annual prize distribution function.

**Programme-wise details of the pass percentage of the students.**

Sr. No.	Programme	Particulars	2012-13	2013-14	2014-15	2015-16
1.	B. Sc. (Final)	Appeared	41	30	71	116
		Passed	25	17	52	87
		%	60.97	56.66	73.23	75.00
2.	B. Com. (Final)	Appeared	23	37	39	63
		Passed	12	28	39	61
		%	52.17	75.67	100	96.82
3.	B. A. (Final)	Appeared	58	62	51	110
		Passed	10	23	38	89
		%	17.24	37.09	74.50	80.90



**Achievement of students at UG/PG level Merit position/Award/Medal**

Sr. No.	Year	Program	Name of Student	Merit Position/Award
1.	2014-15	B.A.	Ku. S.B. Jengathe	Political Science Gold Medal
2.	2014-15	B.Sc.	Mr. P.H. Dongare	5 <sup>th</sup> Merit
3.	2014-15	B.Com.	Ku. S.D. Amburkar	2 <sup>nd</sup> Merit
4.	2014-15	B.Com.	Mr. H.R. Atram	5 <sup>th</sup> Merit

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

- At the beginning of the session, college prepares an academic calendar and time-table.
- IQAC monitors academic and co-curricular activities.
- Emphasis is given for regularity in teaching. In absence of any faculty, some other faculty engages the class.
- All the faculty members ensure that their syllabi are completed in the stipulated time.
- There is a continuous evaluation process throughout the semester in which evaluation methods like unit tests, surprise test and internal assessment are adopted.
- Academic activities such as guest lectures workshops, seminars, quiz etc. are organized.
- Ethical and social values are nourished through cultural events, NSS, NCC, Social events and celebrating various days of National, Educational importance.
- The intended learning outcome is accomplished through remedial coaching, organizing study tours, and field/industrial visits etc.
- The faculty members and well-wishers have instituted Prizes, as an incentive for the topper students in respective subjects.

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

- Positive thinking is nurtured through the activities of national integration, environmental awareness, cultural activities etc.
- The eminent speakers are invited to address the students so that they will imbibe positive traits. Various functions are organized to nurture moral, ethical, religious, spiritual, social and cultural values.



- Research aptitude is developed through projects, participation in AWISHKAR, field visits, visit to research institutes, industrial visits etc.
- Students/Research scholars are encouraged to present research papers in conferences/workshops/seminars/symposia etc.
- Guidance for entry into services is given to the students, by organizing guest lectures and special coaching classes/workshops.
- Institution has conducted UGC-COP Courses (Tissue Culture) to make the student self- employable.
- Every year a short term course of 30 and 45 days on entrepreneurship development is organized in collaboration with MCED, Government of Maharashtra.

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

All the departments of the institution analyse the result, subject-wise and paper-wise and appropriate remedial measures are taken for improvement of results. The inhibition of students is removed by personal counselling and extra classes are engaged to enable slow learners to grasp the subject.

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

The Principal and IQAC regularly monitor the achievement of learning outcomes by analysis of the University results and internal evaluation of students. The results are discussed in the Departmental meetings and corrective measures are implemented for improvement. IQAC and the Principal discuss relevant issues with the faculty for the academic improvement.

**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.**

- Yes, the student with good academic performance is nominated as a representative on the Students’ Council of the institution.
- Incentive marks are awarded on the basis of performance in NSS, NCC, cultural and sports activities.
- Meritorious Students are encouraged to appear for national level examinations like NCL, NPL etc.

- Advanced learners are provided with additional reference books through book bank scheme on recommendation of teachers.

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

**Best practices in Teaching-learning Process**

- Teacher's performance and accountability is assessed through self-appraisal supervision by head of the department and principal.
- There is consistent improvement in results and some students have received prizes/awards at university level.
- Teachers have acquired elevated positions in the field of their subjects.



**CRITERION III:**  
**Research, Consultancy and  
Extension**

## Criterion-III: Research, Consultancy and Extension

### 3.1 Promotion of Research

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

The institution does not have recognized research center of the affiliating University or any other agency/ organization. However, the institution has applied for recognition of research centre/s to the Gondwana University, Gadchiroli, for the Departments of Physics, Chemistry, Electronics, Botany and Zoology.

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

Yes, the college has a research committee to monitor and address the issues of research. The committee comprises of Chairman, Convener and five members.

##### **Research Committee:**

Chairman : Dr. M. C. Kale (Principal)  
Convener : Dr.M.S. Deshpande  
Member : Dr.V.D. Bhandakkar  
Member : Dr.R.H. Lad  
Member : Dr.S.N. Sable  
Member : Dr.A.P. Sawane  
Member : Dr.R.R. Kamadi

##### **Recommendations:**

- Promotion to carry out minor/major research projects.
- Motivate teachers to pursue research for Ph. D. and to guide students for Ph. D.
- Library to be enriched with references, Journals and INFLIBNET.
- Motivate teachers to publish their research works in the journals of national and international repute.
- Incentives may be given for publication of their research work in peer reviewed journals having high impact factor.
- Faculty should organize conferences /seminars/workshops.
- Research students may use the laboratory and library facilities.
- Grant of duty leave for field-work, visit to research institutes, attending training programmes / seminars / workshops / conferences.
- Encourage the faculty members for consultancy services.

**Impact of recommendations:**

S.N.	Recommendations	Impacts			
1.	Major research projects	PI: Dr. M. C. Kale (02-Completed; 01-Pursuing) PI: Dr. A. P. Sawane, CI: Dr. M. C. Kale (01- completed)			
2.	Minor research projects	Dr. M. S. Deshpande(01-completed) Dr. V. D. Bhandakkar(03- completed) Dr. P. N. Bagade(01- completed) Dr. G.K. Singh(01- completed) Dr. M. H. Durge(01-completed) Dr. A. A. Mistry(01-pursuing) Mr. A. N. Barde(01-pursuing)			
3.	Award of Ph. D.	In last five years; <b>07</b> -faculty members are awarded Ph.D., <b>02</b> -faculty members are submitted thesis and <b>08</b> -faculty members pursuing their Ph.D.			
4.	Details of Ph.D. Degree Awarded Under supervision of faculty.	Faculty	Awarded	Thesis Submitted	Pursuing
		Dr. M. C. Kale	01	01	04
		Dr. V. D. Bhandakkar	04	-	03
		Dr. A. P. Sawane	01	-	01
		Dr. M. H. Durge	01	-	01
		Dr. Sau. R. H. Lad	-	02	03
		Dr. M. S. Deshpande	-	02	02
		Dr. R. R. Kamadi	-	-	02
		Dr. S. N. Sable	-	-	05
5.	Number of supervisors :	<b>09</b> ; <b>07</b> -students are awarded Ph.D., <b>05</b> –students have submitted Ph.D. Thesis and <b>21</b> - students are pursuing their Ph.D.			
6.	Library: Library is enriched with references, journals, INFLIBNET.				
7.	Conferences /Seminars/Workshops organized: <b>15</b>				
8.	Publication of research work	<b>204</b> research papers published by faculty members in peer review journals and national/international conferences during last five years			
		<b>77</b> research papers published by faculty members in conferences during last five years with ISBN number.			

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

❖ **Autonomy to the principal investigator:**

The principal investigator has at his disposal the freedom of selecting co-investigator, decides the problem of research, time line for the completion of project, methodology of handling the problem and final submission of the report. The institution provides all the facilities to the principal investigator.

❖ **Timely availability or release of resources:**

The administration takes due care that the principal investigator is given necessary resources and finances in time.

❖ **Adequate infrastructure and human resources:**

- Every department has adequate infrastructure and advance instrumentation facilities. Library has rich collection of reference books, text books, journals etc.
- One 50KVA silent generator (central), 01 servo stabilizer 10KVA, 02 departmental generators 3KVA and 03 inverters 800VA are available for uninterrupted power supply.
- The office/technical staff is made available to the faculty member for assistance.

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

A duty leave is sanctioned to carry out the field work, research work, mid-term presentations for attending seminars/workshops/conferences and also for pre-registration, pre-submission and post submission defence viva-voce.

❖ **Support in terms of technology and information needs.**

ICT facility is available along with reprography and INFLIBNET.

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

The services of chartered accountants and technical support staff are provided to facilitate timely auditing and submission of utilization certificate to the funding authorities.

❖ **Any other:**

During last five years, **07** faculty members have been awarded Ph.D., **02** faculty members have submitted their thesis and **08** faculty members are pursuing their Ph.D.

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

- The college promotes research culture and scientific temper through organization of workshops, seminars, poster competition, guest lectures, visits to research institutes, industries, educational tours etc.
- Students are motivated and guided to participate in University research festival ‘Awishkar’.
- Students are motivated to participate in different training programs organised by Marathi Vidhyan Parishad. In the session 2015-2016, 15 students were trained to perform practical on the theme related to light. The trained students then volunteered and demonstrated practical to the students in rural schools.
- A research based project is assigned to P. G. students as a part of curriculum.
- Five laboratories are in the process to be recognized as Centres for Higher Learning and Research to promote the research culture in the institution.
- Incentives are given for research publications.
- All facilities are available in the laboratories and library for the researchers.
- The students are also encouraged to participate in inter collegiate seminars/conferences.
- Library subscribes many research journals and is equipped with Internet facility, e-Journals, e-books, INFLIBNET and educational CDs.

**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.)**

❖ Guiding Research Student:

S. N.	Name of Supervisor	Department	Ph. D. Awarded	Ph. D. Thesis submitted	Ph. D. on going
1.	Dr. M. C. Kale	Botany	01	01	04
2.	Dr. M. S. Deshpande	Physics	-	02	02
3.	Dr. V. D. Bhandakkar	Electronics	04	-	03
4.	Dr. Sau. R. H. Lad	Sociology	-	02	03
5.	Dr. A. P. Sawane	Zoology	01	-	01
6.	Dr. R. R. Kamadi	Zoology	-	-	02
7.	Dr. M. H. Durge	Mathematics	01	-	01
8.	Dr. S. N. Sable	Library	-	-	05
9.	Dr. G. K. Singh	Recently recognized as supervisor			

❖ Major Research Projects :

S. N.	Principal Investigator	Co-investigator	Funding agency	Amount Sanctioned	Tenure
1.	Dr. M. C. Kale	-	RGSTC Govt., of MH	23,40,710/-	2009-12
2.	Dr. A. P. Sawane	Dr. M. C. Kale	UGC	3,17,000/-	2011-14
3.	Dr. M. C. Kale		DAE-BRNS	24,61,300/-	2015-18

❖ Minor Research Projects funded by UGC:

S. N.	Principal Investigator	Co-investigator	Department	Funding agency	Amount Sanctioned	Tenure
1.	Dr. M. C. Kale		Botany	UGC	37,000/-	2000-02
2.	Dr. G. K. Singh	Dr. V. D. Bhandakkar	Electronics	UGC	75,000/-	2007-09
3.	Dr. M. H. Durge		Maths	UGC	30,000/-	2008-10
4.	Dr. V. D. Bhandakkar		Electronics	UGC	2,00,000/-	2009-11
5.	Dr. G.R. Bedare	Dr. V. D. Bhandakkar	Electronics	UGC	1,40,000/-	2010-12
6.	Dr. M. S. Deshpande		Physics	UGC	1,60,000/-	2012-14
7.	Dr. P. N. Bagde	-	Chemistry	UGC	1,40,000/-	2014-16
8.	Mr. A. N. Barde		English	UGC	2,00,000/-	2015-17
9.	Dr. A. A. Mistry	-	Physics	UGC	3,00,000/-	2016-18

❖ Collaborative Research Activities:

S.N.	Principal Investigator	Collaborative Agency	Title of Project
1	Dr. M.C. Kale	Agarkar Research Institute, Pune.	Digitized inventorization of medicinal plant resources of Maharashtra
2	Dr. M.C. Kale	BARC, Mumbai	Breeding for high yield and disease resistance in chilli <i>Capsicum annum l.</i>



❖ Faculty members with Ph.D. awarded/Submitted:

S.N	Name	Department	Year	Research Title
1.	Dr. V. D. Bhandakkar	Electronics	1993	Investigation of ultrasonic wave propagation in some bio-liquids.
2.	Dr. M. C. Kale	Botany	1998	Studies on induced defence response in <i>Arachishypogaea</i> L.
3.	Dr. R. R. Kamdi	Zoology	2001	Study of bioagent for controlling microbial fish diseases in major carps catla and cyprinus sp. as a biotechnological approach.
4.	Dr. A. P. Sawane	Zoology	2003	Impact of Industrial pollution on water quality parameters from river Irai, Chandrapur district, Maharashtra.
5.	Dr. M. H. Durge	Mathematics	2007	Some mathematical views on inverse Thermo-elastic Problems
6.	Dr. Sau R. H. Lad	Sociology	2008	Sociological study of change in socio-cultural values of Madia, Gond tribes.
7.	Dr. S. N. Sable	Library Science	2010	Literature from Vidarbha in Marathi (1975-99): A survey and Bibliometric study.
8.	Dr. Sau. S. R. Verma	Zoology	2011	Heavy metal pollution from mining activity, its biological impact in aquatic ecosystem and bioremediation measures.
9.	Dr. M. S. Deshpande	Physics	2012	Computer simulation techniques for equation of state to some real fluid mixtures.
10.	Dr. P. J. Wagh	Botany	2012	Investigations on biological activity of radiation degraded products of Alginate and Chitosan with special reference to growth and defense response.
11.	Dr. Miss. D. S. Panchbhai	Chemistry	2012	Synthesis, characterization and biological evaluation of novel Bis-Hydroxy Aryl Methanes, their metal complexes, Y-Pyrones, Azoles and Pyrimidines.
12.	Dr. G. K. Singh	Electronics	2014	Control of virtual instrument using wireless technology.
13.	Dr. C. K. Jiwane	Commerce	2015	Role of employment guarantee scheme to eliminate unemployment problem in rural area of Chandrapur district.
14.	Dr. P. N. Bagde	Chemistry	2016	Synthesis, characterization and spectroscopic study of alkali metals with p-chloroisnitrosoacetophenone
15.	Dr. A. A. Mistry	Physics	2016	Ultrasonic investigation of organic fluids with alkaline medium.
16.	Shri T. N. Sutey	Political Science	2014 (Submitted)	Dr. Babasaheb Ambedkar's Labour Movement: A critical study.
17.	Shri S. A. Shah	Chemistry	2015 (Submitted)	Ultrasonic Investigation of bonding and non-bonding molecular interactions of bio-molecular units in organic solvents and aqueous medium

❖ Faculty members pursuing Ph.D.

S. N.	Name	Department	Date of Registration	Title of the Research
1.	Mr. A.N. Barde	English	15.1.2010	Environmental consciousness in the novel of Don DeLillo and Margaret Atwood: A comparative study.
2.	Mr. A.L. Pandhare	English	25.7.2011	Reflection of Post colonialism and racial segregation in the novels of J. M. Coetzee
3.	Mr. P.N. Bansod	English	13.7.2012	Cultural and perimetal conflicts in novel of Leslie Mormon Silko.
4.	Mrs. K.K. Kale	Commerce	12.7.2013	चंद्रपुरजिल्ह्यातीलस्वयंरोजगारकरणा- यामहिलांच्याव्यावसायिकवार्थिकसमस्यांचाअभ्यास (कालावधीसन२००४ते२०१४)
5.	Mr. N.K. Patil	Economics	5.8.2014	Contribution of Indira Awaas Yojana in rural development of Chandrapur district.
6.	Miss. M.V. Manohar	Marathi	7.10.2014	नक्षलवादवचंद्रपुर- गडचिरोलीजिल्ह्यातीलआदिवासीसाहित्य.
7.	Mr. S.D. Petkar	Botany	4.2.2016	Paddy field algal diversity of Nagbhidtaluka, Chandrapur district, Maharashtra.
8.	Mr. B.B. Awaghade	Marathi	4.2.2016	महाराष्ट्रातीलसमाजसुधारकांच्यासाहित्यातीलसामाजिकविचारांचावाङ्मयीनअभ्यास.

**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.**

S. N.	Conference/Workshop/Seminar etc.	Funding Agency	Amount Sanctioned	Date
1.	One day national conference: Eco criticism: Developing environmental consciousness through English study”	UGC	67,000/-	02/02/12
2.	One day national conference: Current status of fresh water aquatic biology and wetland conservation.”	UGC	65,000/-	02/02/12
3.	One day national conference: Biodiversity conservation for better biosphere.	College	1,25,571/-	02/02/12
4.	One day workshop: Opportunities for B.Sc. students.	College		18/12/11
5.	One day workshop: Scope of syllabus of B.Sc. Sem-I, II in Botany, Gondwana University, Gadchiroli.	College	9,390/-	07/07/12
6.	One day workshop: Scope of syllabus of B.Sc. Sem-I, II in Zoology, Gondwana University, Gadchiroli.	College	9,390/-	07/07/12
7.	One day workshop: Scope of syllabus of B.Sc. Sem-I, II in Physics, Gondwana University, Gadchiroli.	College	9,390/-	07/07/12
8.	Two days national seminar: Biodiversity, biology and new biological trends.	NTC, HRD Ministry, New Delhi	5520/-	3,4/10/12
9.	One day workshop: New Syllabus of B. Sc. V and VI Semester in Chemistry, Gondwana University, Gadchiroli.	College	5005/-	30/08/13
10.	Two days Gondwana University Research Festival-AVISHKAR 2013	University & College	107389/-	30-31 /12/2013
11.	One day national conference: Material characterization and their applications.	UGC	70,000/-	06/02/14
12.	National Mathematics Day: Lecture series	STRC and College	69653/-	14/02/15
13.	Two Weeks Computer Literacy Training Program for the Girls students.	College	1525/-	22/07 to 06/08/20 15
14.	One day seminar: Gazetteer: Importance and relevance	College		24/08/15
15.	National Seminar: Awareness and Application of Synchrotron Beamlines.	RRCAT, Indore and College	29136/-	25/01/16

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

S.N.	Name of Expertise	Department	Priorities research area
1.	Dr. M. C. Kale	Botany	Cytogenetics, plant biodiversity
2.	Dr. M. S. Deshpande	Physics	Computer simulation, ultrasonic, liquid structure, statistical thermodynamics
3.	Dr. V. D. Bhandakkar	Electronics	Ultrasonic, material science and modelling
4.	Dr. P. N. Bagde	Chemistry	Inorganic chemistry
5.	Dr. G. K. Singh	Electronics	Instrumentation
6.	Dr. S. N. Sable	Library Science	Bibliometric and biographical studies
7.	Dr. Sau R. H. Lad	Sociology	Socio-cultural values of Madia, Gond tribes. In Chandrapur and Gadchiroli area
8.	Dr. C. K. Jiwane	Commerce	Business economics
9.	Dr. A. P. Sawane	Zoology	Ichthyology, Limnology, Arachnology
10.	Dr. R. R. Kamdi	Zoology	Ichthyology, limnology, physiology
11.	Dr. A. A. Mistry	Physics	Material characterization using ultrasonic techniques, condensed matter physics
12.	Dr. M. H. Durge	Mathematics	Algebra
13.	Dr. P. J. Wagh	Botany	Plant Physiology and biotechnology
14.	Dr. Miss. D. S. Panchbhai	Chemistry	Organic synthesis
15.	Dr. Miss. S. R. Verma	Zoology	Entomology, environmental biology
16.	Mr. S. A. Shah	Chemistry	Non-bonding molecular forces
17.	Mr. T. N. Sutey	Political Science	Labour movement, Indian Constitution, panchayat raj and reservation policy

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

- Institution invites eminent scientists for interactions with faculty members and students from time to time. Their interactions prove to be quite fruitful in terms of research output.
- Following eminent scientist/resource person visited our institution.

S.N	Name of Expert	Organization/Designation	Topic	Year
1	Dr. B.R. Chide	Ramdeobaba Engg. College Nagpur.	Counting Principle	1.1.2012

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2	Mr. A.K. Joshi	PCCF (Head of Forest Force) Govt. of Maharashtra.	Biodiversity Conservation-Role of Forest Department	2.2.2012
3	Dr. M. Madhavan	Scientist, Salim Ali Institute of Ornithology, Coimbatore.	Current status of freshwater aquatic biology and wetland conservation	2.2.2012
4	Dr. R.S. Wate	Director, NEERI, Nagpur	Transition of Science into field through engineering R and D	2.2.2012
5	Dr. Amir Dhamani	Dean, Faculty of Science, Gondwana University, Gadchiroli.	Scope of Syllabus in Zoology for Semester-II Paper I	7.7.2012
6	Dr. Khinchi,	Member, BOS, Zoology, Gondwana University, Gadchiroli.	Scope of Syllabus in Zoology for Semester-II Paper II	7.7.2012
7	Dr. Dilip Sonwane	Member, BOS Gondwana University, Gadchiroli.	Scope of Syllabus in Zoology for Semester-I Paper I	7.7.2012
8	Dr. Pravin Telkhade	Member, BOS Gondwana University, Gadchiroli.	Scope of Syllabus in Zoology for Semester-I Paper II	7.7.2012
9	Dr. Mrs. Bhogaonkar	Ex. Director, V.M.V. Amravati	Diversity of Plants	3.10.2012 to 4.10.2012
10	Dr. D. Mhaske	Principal, Satara	Diversity of Birds	3.10.2012 to 4.10.2012
11	Mr. N. Deshmukh	TIFR, Mumbai	Education Policy	3.10.2012 to 4.10.2012
12	Dr. Mrs. V. Ghate	Agarkar Institute, Pune	Science vocabulary in Marathi	3.10.2012 to 4.10.2012
13	Mr. Sanjay Kohole,	Director, Global Computer, Warora.	Introduction to Computer Handling	7.8.2013 to 14.8.2013

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14	Mr. A. Dahake,	Director, AAI Computer, Warora.	Introduction to MS Office	7.8.2013 to 14.8.2013
15	Dr. S.D. Deo	Head, Dept. of Mathematics, N.S. College, Bhadrawati	Differential Equations	21.8.2013
16	Dr. Rajan Jaiswal,	Marathi Dept. Govindrao Warjekar College, Nagbhid, Dist. Chandrapur	Marma Marathiche	24.9.2013
17	Dr. K. Ghodmare	Chairman BOS Physics, RTM Nagpur University,	Raman Effect	24.09.201 3
18	Prof. U. Kaware	Head, Dept. of Sociology, Manoharrao Kamdi College, Nagpur.	Problems of Child Labour	7.10.2013
19	Dr. S. Toshaniwal,	Head, Dept. Of Sociology, R. S. Mundle College Nagpur.	Introduction to Sociology	7.10.2013
20	Dr. G. N. Wankaede	Head, Department of Zoology, SGB, Amravati University	Nano-technology & biological Sciences	22.10.201 3
21	Dr. Vijay Ainchwar	Vice-Chancellor, Gondwana University, Gadchiroli	Awishkar	30.12.201 3
22	Dr. Amir Dhamani	Dean, Faculty of Science, Gondwana University, Gadchiroli	Awishkar	31.12.201 3
23	Dr. Shriram Rokade	In-charge, Awishkar- 2013	Awishkar	31.12.201 3
24	Dr. Bramhaji Rao	Hyderabad	Quantum Dots and their Medical and Engineering Applications	6.2.2014
25	Dr. D. G. Kuberkar	Deptt. of Physics, Saurashtra University, Rajkot, Gujarat	New functional materials for future memory applications	6.2.2014

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26	Dr. M. D. Shirsat	Aurangabad	Chemiresistive and Chem FET sensing platform: Conducting Polymer Functionalized single wall Carbon Nanotubes	6.2.2014
27	Dr. Devraj Singh	Deptt. of Physics , Amity University, New Delhi	Material Characterization by Ultrasonic	6.2.2014
28	Dr. Krishna Sainis	BARC/ Rt. Sr. Scientist	Crop improvement through radiation technology	28.2.2014
29	Dr. Rani Bang	SEARCH, Gadchiroli	Hygiene and Health issues of Adolescents	21.08.2014
30	Shri Vivek Wagh	Nagpur.	An introduction to the world of Vector Space and its Application	14.9.2014
31	Prof. M. K Gupta,	Professor, Lokmanya Tilak College Wani.	Why/ How to study Literature	23.9.2014
32	Dr. D. Khanorkar	Marathi Dept. N. H. College, Bramhapuri, Dist. Chandrapur	Zhadipatti bolitil Kavya	30.9.2014
33	Dr. Sanjay Sarwe	Dept. of Mathematics, S.F.S. college, Nagpur	Rectilinear and Quadreture	22.12.2014
34	Prof. M. Mehandale	Dhyansadhana Mahavidhyalay, Thane	Women's Empowerment	22.1.2015
35	Dr. K. Dixit	Vice-Chancellor, Gondwana University, Gadchiroli	Role of University in promoting Mathematics in education system	14.2.2015
36	Dr. Pramod Kale	Former Director, Vikram Sarabhai Space Application Centre, Ahmadabad. President, Community Aid and Sponsorship Programme	Opportunities for Mathematicians in ISRO	14.2.2015
37	Dr. P.M. Dolas	RGSTC	RGSTC-A Platform for Mathematicians	14.2.2015

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38	Dr. N. R. Dhattrak	Department of Chemistry, S. F. University of Pune	IR spectroscopy	14.2.2015
39	Mr. B. N. Gajbhiye	DRDO, Hyderabad	Job opportunities in DRDO	14.2.2015
40	Dr. Mrs. Joshi	Ex. Head, Dept. of Botany, Zhunwala College, Mumbai	Nutritional value of plants.	23.7.15
41	Dr. Dilip Balsekar	Gazetteers Dept. Of Maharashtra/ Executive Editor and Secretary	Gazetteer: Importance and Relevance	24.8.2015
42	Dr. Deogaonkar	Eminent Researcher, Retd. Lecturer ANC Warora	Gazetteer: Importance and Relevance	24.8.2015
43	Dr. Mrs. Deogaonkar	Eminent Researcher, Nagpur	Gazetteer: Importance and Relevance	24.8.2015
44	Mr. A. Thakur	President, INTACH Chandrapur	Gazetteer: Importance and Relevance	24.8.2015
45	Dr. N. R. Dhattrak	Dept. of Chemistry, S. F. Pune University, Pune	Hukel's rule	4.1.2016
46	Dr. Jogi	Chemistry Department, Janata College, Chandrapur	Future prospects in Chemistry	17.1.2016
47	Dr. V. Dhamgaye	Scientist, RRCAT, DAE, Indore	Synchrotron-Indus Beamline	25.1.2016
48	Dr. R. D. Makde	Scientist, RRCAT, DAE, Indore	Synchrotron: Beamline application in Biological Science	25.1.2016
49	Dr. A. Sagdeo	Scientist, RRCAT, DAE, Indore	Synchrotron: X-ray fluorescence, XRD, EXAFS and XRR	25.1.2016
50	Dr. Mrs. Jog	Dept. of Chemistry, Modern College, Pune	Perpetual Dance of Organic Molecules	17.2.2016
51	Shri S. J. Patil	President Lokmanya Shikshan Sanstha, Warora	Mai Marathi	27.2.2016



**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?**

There is no such provision as per Government of Maharashtra and University, rules, however, faculty members avail duty leave to participate in conference/ seminar /workshop /field work / training programme etc. Three faculty members have presented their research work in international conference/symposia including one in Madrid (Spain) and two in Laos. Some of the faculty members have successfully completed the research projects and all have published research papers in national/international journals.

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

Novel culture of research from Laboratory to Land is spreading fast in the academic circle.

- The Institution has organized national conferences where researchers of the institution present their research work. Programs like National Science Day, Mathematics Day are conducted where eminent personalities are invited to interact with the faculty and the students.
- Initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of the research to the community are organization of workshops for students on vermi-compost, mushroom culture and apiculture.
- The teachers are motivated to publish their research work / popular articles in reputed national/international journals and periodicals.

**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.**

- Need based annual budget is utilized on research activities. The source of funds is the grants received from research project funding agencies such as UGC /RGSTC / DAE etc. The expenditure over and above the sanctioned grant is borne by the institution from its own resources.
- Incentives are given to the faculty members who publish their work in reputed journals and for the presentation of research papers in the conferences.

Details of amount utilized during last five years (from 2011-12 to 2015-16) under major heads are given in the following table:

S. N.	Major Heads	Amount utilized					Total
		PHY	ZOO	BOT	ENG	CHE	
1.	Chemicals, Glassware and Consumable	40,000	-	1,86,274		24,877	2,51,151
2.	Equipment	370057	82462	1156201	60000	1,24,222	17,92,942
3.	Books/Journals	20004	25890	25137	70000	19,953	1,60,984
4.	Contingency	20134	47033	28275	30000	15,000	1,40,442
5.	Special needs	-	-	173009	-		1,73,009
6.	Travel/ Field work	10288	68666	308991	40000	5,000	4,32,945
7.	Over Head		14750	441674	-		4,56,424
8.	Hiring Services		80000	854362	-		9,34,362
	Total	4,60,483	3,18,801	31,73,923	2,00,000	1,89,052	<b>43,42,259</b>
In addition to the grant received, financial assistance from institution						1,99,145	<b>45,41,404</b>
Total amount utilised prior to 2012							28,22,710

**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?**

No, the institution doesn't provide any seed money to the faculty for research, however, advances are given as per need.

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

Financial aid is provided by the institution to students for participation in research festival Awishkar, student seminar competitions and activities of Marathi Vidhyan Parishad to present their Projects/Models/Posters etc.

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

- There is mutual coordination among all the departments in the institution.

- The faculty members exchange their expertise to promote research activities.
- Some faculty members carry out interdisciplinary research in collaboration with faculty members of other department. Department of Zoology and Botany collaborated in UGC interdisciplinary Major Research Project.
- Department of Physics and Electronics share mutual facilities and expertise which resulted into maximum research output.

**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 has applied for recognition of Centre for Higher Learning and Research to the Gondwana University, Gadchiroli for the subjects Physics, Electronics, Chemistry, Botany and Zoology.
- Advanced instruments available in various departments are availed by the faculty for their research in the subjects Physics, Electronics, Botany, Zoology and Chemistry throughout the year.
- A rich collection of e-journals, e-books, INFLIB-NET, reference books, periodicals, journals, study material in the library, Internet facility with Wi-Fi and ICT are available in the institution.
- A separate reading area for research students is provided in the library.
- Staff and research students have open access to library.

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

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 on-going and completed projects and grants received during the last four years.**

IQAC & Research Committee encourage the faculty members and provide the essential information and guidance to undertake major/ minor research projects and help them to submit the proposal to funding agencies for financial assistance.

The details of various projects undertaken and grant received during the last four years:

❖ Major Research Projects :

S. N.	Project	Principal/Co Investigator	Funding agency	Amount Sanctioned	Tenure
1.	Digitized inventorization of medicinal plant resources of Maharashtra	Dr. M. C. Kale	RGSTC Govt., of MH	23,40,710/-	2009-12
2.	Study on the spider diversity and its correlation with plant diversity in Chandrapur district.	Dr. A. P. Sawane Dr. M. C. Kale	UGC	3,17,000/-	2011-14
3.	Breeding for high yield and disease resistance in chilli <i>Capsicum annum l.</i>	Dr. M. C. Kale	DAE-BRNS	24,61,300/-	2015-18

❖ Minor Research Projects funded by UGC:

S. N.	Project	Principal/Co-Investigator	Funding agency	Amount Sanctioned	Tenure
1.	The Non - linear characterization of bio liquids.	Dr. V. D. Bhandakkar	UGC	1,40,000/-	2010-12
2.	Study of thermodynamic properties of some binary liquid mixtures using Maple-sim.	Dr. M. S. Deshpande	UGC	1,60,000/-	2012-14
3.	Synthesis, characterization and Biological evaluation of alkali metals with p-chloroisnitroacetophenone (P-CINAP)	Dr. P. N. Bagde	UGC	1,89,052/-	2014-16
4.	Ecological and environmental concerns in the novels of Margaret Atwood	Mr. A. N. Barde	UGC	2,00,000/-	2015-17
5.	Study of thermodynamics of some organic liquids using pulse echo technique.	Dr. A. A. Mistry	UGC	3,00,000/-	2016-18

### **3.3 Research Facilities**

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

- Eight faculty members are recognized supervisors of Gondwana University and RTM, Nagpur University to guide students in their research work.
- The basic research facilities are available in most of the departments.
- The institution has applied for granting recognition for Centre for Higher Learning and Research to the Gondwana University, Gadchiroli for the subjects Physics, Electronics, Chemistry, Botany and Zoology.
- Departments are equipped with computers, internet and Wi-Fi facility.
- Incentives are given to publish research work in reputed national/international journals.
- The facility of Information Library Network (INFLIBNET) is available along with research journals / periodicals/magazines/ e-journals/ e-books, reference books.

#### **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?**

- IQAC, Heads of the Departments and Research Committee prepares strategies for planning, upgrading and creating infrastructural facilities.
- The institution has applied for granting recognition for Centre for Higher Learning and Research to the Gondwana University Gadchiroli for the subjects Physics, Electronics, Chemistry, Botany and Zoology.
- Eminent resource persons/expertise from other institutes/ universities are invited to enlighten the researchers about the new trends in their respective disciplines.

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

No.

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

The research facilities in the institute are made available to the outside students and research scholars of RTM Nagpur University, Nagpur, SGB University, Amravati and affiliated colleges of Gondwana University, Gadchiroli.

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

Facilities available in library for the researchers are:

- Information Library Network (INFLIBNET).
- Access to e-books and e-journals.
- Reference books, periodicals, journals, magazines etc.
- Separate reading area for researchers.
- Reprographic facilities: Photocopier, Computer, Printer, Scanner
- Broadband Internet/Wi-Fi facility.

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

- The institution does not have collaboration with other institutions/research laboratories however; the researchers of the institute use the facilities of external agencies whenever required. The institution has initiated collaborative research work with scientific organization such as NEERI, Department of Physics, Department of Botany, Department of Zoology, and Department of Electronics of R. T. M. Nagpur University, Institute of Science, Nagpur, Hislop College Nagpur and Janata College Chandrapur.
- Departments of Physics, Electronics, Botany, Zoology and Chemistry are enriched with sophisticated instruments and ICT facilities.

**3.4 Research Publications and Awards**

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

- ❖ Patents obtained and filed (process and product):  
Nil
- ❖ Original research contributing to product improvement:  
Nil
- ❖ Research studies or surveys benefiting the community or improving the services:  
Department of Botany conducted field survey of medicinal plants in Chandrapur, Nagpur and Wardha districts and Govt. of Maharashtra is preparing the policy document which will benefit all the stakeholders.
- ❖ Research inputs contributing to new initiatives and social development:
  - Department of Zoology has taken the initiative to prepare the first checklist of spiders from Chandrapur District.
  - The department of Botany conducted workshops for local medicine men (Vaidu) and exchanged mutual information.

**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?**

Institution does not publish or partner in publication of research journals, however, some faculty members are on the editorial board of some research journals.

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

- ❖ Publication per faculty in peer reviewed journals (national / international):

The publications of the faculty members since January 2011 onwards:  
 $204/17 = 12$ .

- ❖ Publication per faculty in proceedings of national /international conferences (with ISBN numbers):

January 2011 onwards:  $77/20 = 3.85$

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

Number of papers published by faculty and students in peer reviewed journals (national/international) with Citation Index, and h-index are as shown in the following table:

S.N.	Faculty	Total Number of Paper published				Source: Google Scholar		
		Scopus	Journals	Total (S+J)	Proceedings	Citation Index	h-index	i10-index
1.	Dr. M. C. Kale	-	11	11	01	-	-	-
2.	Dr. M. S. Deshpande	01	12	13	-	-	-	-
3.	Dr. V. D. Bhandakkar	03	42	45	13	157	07	06
4.	Mr. V. S. Dhabarde	-	-	-	01	-	-	-
5.	Dr. P. N. Bagade	-	05	05	-	12	-	-
6.	Dr. G. K. Singh	-	05	05	-	11	03	-
7.	Dr. S. N. Sable	-	-	-	03			
8.	Dr. R. H. Lad	-	04	04	02	08	-	-
9.	Mr. S. D. Petkar	-	01	01	-	-	-	-
10.	Dr. C. K. Jiwane	-	-	-	14	-	-	-
11.	Dr. A. P. Sawane	-	14	14	01	20	03	-
12.	Mr. A. L. Pandhare	-	04	04	03	-	-	-
13.	Mr. A. N. Barde	-	05	05	02	-	-	-
14.	Mr. S. A. Shah	01	05	06	02	-	-	-
15.	Dr. R. R. Kamadi	-	15	15	02	07	02	-
16.	Dr. A. A. Mistry	01	06	07	03	-	-	-
17.	Sau. M. V. Manohar	-	-	-	03	-	-	-

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18.	Sau. K. K. Kale	-	-	-	05	-	-	-
19.	Mr. M. R. Chaudhari	-	-	-	06	-	-	-
20.	Mr. N. K. Patil	-	-	-	06	-	-	-
21.	Dr. M.H. Durge	-	38	38	06	-	-	-
22.	Dr. P. J. Wagh	02	03	05	01	-	-	-
23.	Dr. Miss D. S. Panchbhai	02	01	03	01	06	-	-
24.	Dr. S. R. Verma	04	19	23	02	35	02	-
	Total	14	190	204	77			

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

**Publication in SCOPUS**

Author		Title	Journal	Year	Impact Factor	SJR	SNIP
Dr. M. S. Deshpande (Physics)	1.	Perturbation approach for equation of state for hard-sphere and Lennard-Jones pure fluids.	Pramana, 76(6), pp. 901–908, ISSN: 0973-7111 (Online)	2011	0.692	0.339	0.534
Dr. V. D. Bhandakkar (Electronics)	1.	Thermodynamic behavior of methylmethacrylate in methanol, p-dioxane and cyclohexane.	Indian Journal of Pure and Applied Physics, vol. 49, pp. 550-556, ISSN: 0975-1041 (Online), 0019-5596 (Print)	2011	0.65	0.321	0.661
	2.	Studies of Acoustic and Thermodynamic properties of Binary Liquid Mixtures at 308K.	Journal of Chemical and Pharmaceutical Research, Vol.4(2), pp. 1028-1032, ISSN:0975-7384.	2012	0.48	0.135	0.259
	3.	Acoustical Studies on ternary mixtures of toluene in cyclohexane and nitrobenzene at 308K using ultrasonic technique.	Journal of Chemical and Pharmaceutical Research, 4(1), pp. 170-174, ISSN: 0975-7384.	2012	0.48	0.135	0.259
Mr. S. A. Shah (Chemistry)	1.	Thermodynamic parameters and ultrasonic studies of intermolecular interactions in some carbohydrates (Dextrose, Fructose and Inositol) at 298.15K.	Der pharmacia Letter, 6(3), pp. 236-241, ISSN: 0975-5071	2014	0.42	0.190	0.424
Dr. A. A. Mistry (Physics)	1.	Acoustical Studies on ternary mixtures of toluene in cyclohexane and nitrobenzene at 308K using ultrasonic technique.	Journal of Chemical and Pharmaceutical Research, 4(1), pp. 170-174, ISSN: 0975-7384.	2012	0.48	0.135	0.259



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Dr. P. J. Wagh (Botany)	1.	Callus Induction Studies in <i>Psophocarpustetragonolobus</i> L.	Int. J. Of Pharmaceutical Sciences Review and Research, 11(2), pp. 30-32, ISSN: 0976-044X	2011	0.64	0.193	0.293
	2.	In vitro callus induction of <i>Ablemoschusmoschatus</i> Medik. L. by using different hormone concentration.	Int. J. of Pharmaceutical Sciences Review and Research, 10(2), pp. 82-84, ISSN: 0976-044X	2011	0.64	0.193	0.293
Dr. D. S. Panchbhai (Chemistry)	1.	Anthelmintic Activity of the <i>Citrus limon</i> seeds coats.	Int.J.Chem.Sci.:9(4),pp.1931-1936, ISSN 0972-768X	2011	-	0.146	0.162
	2.	Synthesis, Antibacterial Screening and POM Analyses of Novel Bis-Isoxazolyl /Pyrazoyl 1,3-diols.	Med. Chem. Res. (Springer Link), 23(3), pp. 1537-1547, ISSN: 1054-2523 (Print), 1554-8120 (Online)	2014	1.436	0.478	0.744
Dr. Mrs. S. R. Verma (Zoology)	1.	Studies on the ecology and trophic status of an urban lake at Nagpur, Maharashtra State India.	Rasayan Journal of Chemistry , 4 (3), pp. 652-659, ISSN: 0974-1496 (Print), 0976-0083 (Online)	2011	0.46	0.190	0.427
	2.	Acute Toxicity of Copper and Cadmium, to the Freshwater <i>Lebistes reticulatus</i> (peter).	Journal of Industrial Pollution Control, 28(2), pp. 119-124, ISSN: 0970-2083	2012	0.5	0.101	0.016
	3.	Limnological studies on Indian brackish water Lonar lake with special reference to trophic status and potential public utility.	Research Journal of Chemistry and Environment, 17 (4), 53-58, IF-0.292, ISSN: 0972-0626	2013	0.292	0.151	0.214
	4.	Impact of raw coolant wastewater and effluent from different stages of treatment on fish <i>Lebistes reticulatus</i> Peter.	Research Journal of Chemistry and Environment, 17 (7), 56-60 (Impact factor-0.379 ISSN: 0972-0626	2013	0.292	0.151	0.214

❖ **Monographs:**

Nil

❖ **Details of Chapter in Books /Books Edited /Books / Research Books with ISBN/ISSN numbers with details of publishers are given in the following table:**

Name	Chapter in Books /Books Edited /Books / Research Books	Editor / Publisher	Year
Dr. M. C.	1. C.24: Phytoalexins, the potential biochemical	Kiran Nangia DATTSONS, J.	2005

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Kale (Botany)		markers for disease resistance in plants. 'Advance Concepts in Plant Sciences'.	Nehru Marg, Nagpur ISBN: 81-7192-051-9	
	2.	C.10: 'Bioenergetics' in 'A Glimpse of Current Vistas in Plant Science Research.	K. H. Makde & S. E. Pawar /Hislop College Publication Cell, Nagpur, India. ISBN: 978-81-910409-6-8	2014
	3.	Bot. Pract. Manual B.Sc. SEM-V 'Plant Physiology, Biochemistry & Plant Ecology'	Gondwana University Botany Teacher's Association (GUBTA)	2014
	4.	Bot. Pract. Manual B.Sc. SEM-VI "Plant Physiology, Growth & Development, Ethnobotany& Applied Botany "	Gondwana University Botany Teacher's Association (GUBTA)	2014
Dr. A. P. Sawane (Zoology)	1.	Text Book of Zoology 'Cell Biology' B.Sc. Sem-II, Paper-II	M/s. Rajni Prakashan& Books Distributor, 69, Bajrang Nagar, Manewada Road, Nagpur, ISBN: 978-93-83619-75-7	2016
	2.	Text Book of Zoology 'Life & Diversity of Animals' (Arthropoda to Protochordata) B.Sc. Sem-II, Paper-I	M/s. Rajni Prakashan& Books Distributor, 69, Bajrang Nagar, Manewada Road, Nagpur ISBN: 978-93-83619-74-0	2016
Dr. A. A. Mistry (Physics)	1.	S.Y. B. Sc. SEM-III Physics (Paper I & II)	G. C. Publishers, Plot No. 58, Ganesh Nagar, ISBN: 978-93-82962-94-6	2015
Dr. M. H. Durge (Mathematics)	1.	Some mathematical views on inverse thermo elastic problems.	S. Jackson/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a> ISBN: 978-3-639-70974-2	2014
	2.	n-fold Ring.	S. Jackson/ Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a> , ISBN: 978-3-639-66092-0	2014
	3.	Some mathematical paradox.	S. Jackson/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a> ISBN: 978-3-639-66140-8	2014
	4.	Light: Bitter truth a sincere efforts towards realization.	A. Monroe/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a> ISBN: 978-3-639-66377-8	2014
	5.	Elements of N fold Ring,	A. Monroe/Scholars' Press	2014

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		a sincere effort towards realization.	<a href="https://www.scholarspress.com">https://www.scholarspress.com</a> ISBN: 978-3-639-76079-8	
	6.	N Fold Hemiring.	A. Monroe/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a> ISBN: 978-3-639-51694-4	2015
	7.	Some student's paradox	A. Monroe/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a> ISBN: 978-3-659-83683-1	2016
Dr. P. J. Wagh (Botany)	1.	A textbook of Biochemistry, Molecular Biology and Biotechnology (2012)	G. C. Publishers Nagpur, M. S., India ISBN: 978-81-925501-2-1	2012
	2.	Tissue Culture of <i>Abelmoschus moschatus</i> , a medicinal herb (Technical Book).	NICOLAEV / LAP Lambert Academic Publishing ISBN: 978-3-659-11597-4	2012
	3.	Bot. Pract. Manual B. Sc. SEM-V 'Plant Physiology, Biochemistry & Plant Ecology'	Gondwana University Botany Teacher's Association (GUBTA)	2014
	4.	Bot. Pract. Manual B. Sc. SEM-VI "Plant Physiology, Growth & Development, Ethnobotany & Applied Botany"	Gondwana University Botany Teacher's Association (GUBTA)	2014
	5.	C.2: Alginate, Chitosan and their depolymerized derivatives : Novel growth promoters for improving crop performance in 'A Glimpse of Current Vistas in Plant Science Research	K. H. Makde & S. E. Pawar / Hislop College Publication Cell, Nagpur, India. ISBN: 978-81-910409-6-8	2014
Dr. Sau. S. R. Verma (Zoology)	1.	Studies on the ecology and trophic status of an urban lake, India (Book).	Lambert Academic Publishing (LAP) ISBN: 978-3-659-13979-6	2012
	2.	Ch.1: Effect of special fish feed prepared using food industrial waste on <i>Labeorohita</i> in 'Fisheries and Aquaculture in the	ISBN: 978-953-51-2687-4 (Print), 978-953-51-2686-7 (Online)	2016

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	Modern World (Book)'. Chapters: 04	Books: 17
<b>Total</b>		

❖ Papers Published in Research Journal:

Faculty		Title of Research Paper	Journal and its Issues In which Published	Year
Dr. M. C. Kale (Botany)	1.	Fish diversity of Chargaon reservoir, district Chandrapur,(M.S.) India	Indian Strem Research Journal, Special issue, 79-80,ISSN: 2230-7850	2013
	2.	Zooplankton abundance and its correlations with physic-chemical parameters from urban lake Wani, Dist. Yeotmal, Maharashtra	Environment Conservation Journal, 13(1&2), pp.141-144, ISSN: 0972-3099 (Print) 2278-5124 (Online)	2012
	3.	Artificial pollination in two species <i>Vanda</i> (Orchidaceae)	J. Sc. Inf./Spl. Issue-3 , pp. 132-137, ISSN: 2229-5836	2012
	4.	Studies on the effect of coalmine overburden on the length of seeding of soyabean plant	J. Aaquatic Biology. Spl.issue pp. 112-114, ISSN-0971-4235	2013
	5.	Preliminary phytochemical analysis of <i>Dolichandrone falcata</i>	Vidarbha Journal of Science Vol 8 no. 1-2 pp. 233-237, ISSN-0973-8932	2013
	6.	Ethnomedicinal plants used by Gond/Madia tribes of Etapalli, District Gadchiroli, Maharashtra.	Int. J. of Res. In Biosci. Agri. Technology, Vol. 2 pp. 720-727, ISSN-2347-517X	2014
	7.	Ethnobotanical studies on the flora of Yavatmal District, Maharashtra.	Int. J. of Res. In Biosci. Agri. Tech. Vol. 2 pp. 317-323, ISSN-2347-517X	2014
	8.	Response of different Banana cultivars to <i>in vitro</i> propagation.	Int. J. of Res. In Biosci. Agri. Tech. 2347-517X	2015
	9.	Effect of soluble chitosan application on in vitro germination and growth of dormant corms of <i>Colchicum luteum</i> , Baker.	Int. J. of Res. In Biosci. Agri. Tech. 2347-517X	2015
	10.	Simplified protocols for exploration of bioinformatics databases.	Recent trends in Bioinformatics and Biostatistics, ISBN-978-93-83912-03-2	2015
	11.	Preliminary Physico-Chemical study of water at outlet of MIDC,	Int. J. of Res. In Biosci. Agri. Tech. 2347-517X	2015

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		Warora (India).		
Dr. M. S. Deshpande (Physics)	1.	Analytical study of temperature variation of some binary liquid mixtures using Khasare's formulism	Advances in liquid science research, Pelagia Research Library, 3(3) , 1292-1308, ISSN: 0976-8610	2012
	2.	Khasare's equation of state for thermodynamic study of some organic liquid using face centered cubic packing density.	Advances in liquid science research, Pelagia Research Library, 3(6) , 3685-3695, ISSN: 0976-8610	2012
	3.	Khasare's equation of state for molecular cluster study of some organic liquid.	Advances in liquid science research, Pelagia Research Library, 3(6) , 3792-3799, ISSN: 0976-8610	2012
	4.	Khasare's equation of state for molecular cluster study of THF-Cyclohexane mixture for 288.15K to 333.15K.	Advances in liquid science research, Pelagia Research Library, 3(6) , 3860-3867, ISSN: 0976-8610	2012
	5.	Analytical study of temperature variation of hard sphere using Khasare's formulism.	Advances in liquid science research, Pelagia Research Library, 3(3) , 1292-1308, ISSN: 0976-8610	2012
	6.	Ultrasonic investigation of solution blends of Polybutadiene and Polymethyl-Methacrylate.	IJSR Journal (International symposium on Ultrasonic), 340-342, ISSN: 2319-7064	2015
	7.	Molecular interaction study of Linoleic Acid with $\alpha$ -Tocopherol by ultrasonic technique.	Pelagia Research Library - Der Chemica Sinica, 21-25, I.D.No: DCS-2015-1172	2015
	8.	Thermo-acoustical studies of polyblend solutions.	IJSR Journal (International symposium on Ultrasonic), 513-518, ISSN: 2319-7064	2015
	9.	Thermodynamic study of binary mixture of Tannic Acid and Acetone at different temperatures and Concentration.	IJSR Journal (International symposium on Ultrasonic), 513-518, ISSN: 2319-7064	2015
	10.	Measurement of acoustic and thermodynamics properties of tannic acid and ethanol at various temperature.	IJSR Journal (International symposium on Ultrasonic), 411-414, ISSN: 2319-7064	2015
	11.	Ultrasonic studies of molecular interaction of gallic acid with ethanol.	Pelagia Research Library, Vol 6(7), 93-99, ISSN: 0976-8505	2015
	12.	Comparative study of gallic acid with ethanol and acetone at 298K.	Journal Pure Applied Ultrasonic, Vol 38, 10-13, ISSN:0256-4637	2016

Dr. V. D. Bhandakkar (Electronics)	1.	An Accurate representation of molecular clusters in liquid mixtures using Khasare's Equation of state.	Advances in Applied Science Research, Pelagia Research Library, 2(3), pp. 198-207, ISSN: 0976-8610	2011
	2.	Molecular interaction of acrylonitrile and methylmethacrylate in methanol, cyclohexane and p-dioxane.	Advances in Applied Science Research, Pelagia Research Library, 2(4), pp. 338-347, ISSN: 0976-8610	2011
	3.	Acoustic and excess parameters studies on interaction in ternary liquid mixtures using ultrasonics technique.	Journal of Science Information (JSI Vol.2(1) pp. 27-33, ISSN : 2229-5836	2011
	4.	Comparison between experimental result and theoretical prediction using Flory's theory for the binary liquid mixtures.	Advances in Applied Science Research, Pelagia Research Library, 2(6), pp. 70-77, ISSN: 0976-8610	2011
	5.	Molecular interaction study of two aliphatic alcohols with 1,4-dioxane at 298K.	Archives of Applied Science Research, Scholar Research Library Vol. 3(5), pp. 332-338, ISSN-0975-508X	2011
	6.	Ultrasonic study of molecular interactions in binary mixtures at 308 K.	European Journal of Applied Engineering and Scientific Research, Scholar Research Library, 1 (1), pp. 1-4, ISSN-2278-0041.	2012
	7.	Ultrasonic investigations in bio-liquid mixtures of methanol with Cinnamaldehyde at different frequencies and concentrations	Journal of Bionano Frontier, Vol. 5, pp. 469-472, ISSN: 0974-0678	2012
	8.	Study of molecular interactions in liquid mixture using ultrasonic technique.	International Organization of Scientific Research Journal of Applied Physics, Vol. 1(5), pp. 38-43. ISSN-2278-4861	2012
	9.	Ultrasonic velocity and absorption study of binary mixtures of methanol with Acrylonitrile by interferometric method at different frequencies.	Journal of Pure and Applied Ultrasonic, Vol. 34, No.2 (3), pp. 49-52, ISSN: 0256-. 4637	2012
	10.	Acoustical studies on molecular interactions in binary mixtures at 308 K.	Advances in Applied Science Research Journal, (Pelagia research Library), 3(5), pp. 3223-3239, ISSN-0976-8610	2012
	11.	Thermo-acoustical & non-linear	Archives of Applied	2012

	molecular interaction in binary liquid mixtures at 303K.	Science Research , Scholar Research Library Vol. 4(6), 2546-2551.ISSN:0975-508X	
12.	Physico-chemical and excess thermodynamic properties of methanol & ethanol with 1, 4-dioxane at 308K.	International Journal of Material Science & Engineering U.K., 42(2012) 012028, IOP Publishing,doi: 10.1088/1757-899X/42/1/012028.	2012
13.	Ultrasonic velocity and absorption study of binary mixtures of cyclohexane with acrylonitrile by interferometric method at different frequencies.	International Journal of Material Science & Engineering U.K., 42(2012) 012030, IOP Publishing, doi:10.1088/1757-899X/42/1/012030	2012
14.	Studies of acoustical parameters of binary liquid mixtures at 298K	International Journal of Applied Physics & Mathematics, 2(3), pp. 197-200, ISSN:2070-362X.	2012
15.	Acoustic behavior of Cinnamaldehyde in polar and non-polar liquids at 298K.	Pelagia Research Library, Der Pharmacia Sinica, 4(1): 97-101 ISSN-0976-8688	2013
16.	Studies in acoustical & thermodynamic properties of binary mixtures at 303K.	Journal of pure applied & industrial physics, 3(1), 63-67 ISSN-2229-7596	2013
17.	Excess thermodynamic properties of Acrolein with Methanol, 1, 4-Dioxane and Cyclohexane at 303 K.	Instasci. Jour. of Physics. 2 (5), 118-127	2013
18.	Excess thermodynamic parameters of binary liquid mixtures at 303K.	The Journal of pure applied & industrial physics, 3(2), 80-86	2013
19.	Thermo-acoustical molecular interaction studies in ternary liquid mixtures using Ultrasonic techniques.	Advances in Applied Science Research (Pelagia research Library), 4(2): 54-59, ISSN: 0976-8610.	2013
20.	Evaluation of Ultrasonic parameters of Bio-liquids at different temperatures.	Ind. Streams res. Journal, ISSN: 2230-7850, 1-5.	2013
21.	Ultrasonic study of Methylmethacrylate in 1,4-dioxane at 298K and 2MHz frequency.	International Journal of Research in pure and Applied Physics, 3(3), 20-22. ISSN: 2278-134X	2013
22.	Molecular interactions by ultrasonic velocity, density and viscosity measurements in binary mixtures at 303K and 4MHz	Science park Journal (ISSN: 2321-8045), 1(4), 1-3. ISSN: 2321-8045	2013

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	frequency.		
23.	Ultrasonic study of hydrogen bonded complexes in benzene solution.	Advances in Applied Science Research (Pelagia research Library), 2013, 4(2): 207-213, ISSN: 0976-8610.	2013
24.	Excess thermodynamic parameters of Acrylonitrile with methanol, 1,4-dioxane and Cyclohexane at 303K.	Archives of Applied Science Research, Scholar Research Library Vol. 5(4), 12-16. ISSN: 0975-508X	2013
25.	Ultrasonic study of molecular interactions in aliphatic alcohol-dioxane mixtures.	J. Pure Appl. Ultrasonic, 35(1), 23-26.	2013
26.	Study of molecular interactions in liquid mixtures from acoustic and thermodynamic parameters at 303K.	International Organization of Scientific Research Journal of Applied Physics (IOSR, JAP), e-ISSN: 2278-4861, 36-39.	2014
27.	Acoustical and excess thermodynamical parameters of binary liquid mixtures at 308K and 2MHz.	Journal of Applied physics (IOSR-JAP), e-ISSN: 2278-4861, 40-43	2014
28.	Study of molecular interactions in binary liquid mixtures from acoustic and thermodynamic parameters at 303K.	Journal of Applied physics (IOSR-JAP), e-ISSN: 2278-4861, 36-39	2014
29.	Thermo acoustical and non-linear molecular interaction studies in ternary liquid mixtures at 298K.	Journal of Applied physics (IOSR-JAP), e-ISSN: 2278-4861, 01-03	2014
30.	Acoustical & thermodynamical study of Toluene in Cyclohexane & nitrobenzene at 293K, 298K and 303K” using ultrasonic technique.	Journal of pure applied & industrial physics, 4(1), 21-28.	2014
31.	Acoustical studies on binary liquid mixture of Cinnamaldehyde in 1,4-dioxane at 298K Temperature.	International Journal of Innovation in Science and Mathematics, (ISSN: 2347-9051), 2(2), 1-2	2014
32.	Molecular interaction study of binary liquid mixture of tetrahydrofuran and ethanol at 313K.	International Journal for Pharmaceutical Research Scholars (IJPRS), (ISSN: 2277-7873), 3(1), 544-549	2014
33.	Study of acoustical parameters of binary mixtures at 303K and 4MHz frequency.	SVRM science journal, (e-ISSN: 2348-2923), 2(1), 10-15	2014
34.	Molecular study of ammonium hydroxide with ethanol using	International journal of science research (IJSR),	2015



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		ultrasonic technique at 313K & 1MHz.	ISU-2015 symposium, on 22-24, ISSN-2319-7064, IF:4.44	
	35.	Acoustical studies on molecular interaction in binary system at 298K & 5MHz.	International Journal of science research (IJSR), ISU-2015 symposium, on 22-24, ISSN-2319-7064, IF:4.44	2015
	36.	Studies of acoustical & thermo dynamical properties of aqueous NaOH & DMSO system at 303K & 5MHz.	International Journal of science research (IJSR), ISU-2015 symposium, on 22-24, ISSN-2319-7064, IF:4.44	2015
	37.	Comparison of ultrasonic absorption & relaxation behavior of some binary liquids.	International Journal of science research (IJSR), ISU-2015 symposium, on 22-24, ISSN-2319-7064, IF:4.44	2015
	38.	Ultrasonic studies on molecular interactions in binary mixtures at 308K & different concentrations.	International Journal of science research (IJSR), ISU-2015 symposium, on 22-24, ISSN-2319-7064, IF:4.44	2015
	39.	Ultrasonic characterizations using LabVIEW Technique.	International Journal of Engineering Research and Management (IJERM), (ISSN: 2349-2058), Vol. 3(3), (MAR-2016), 31-3.	2016
	40.	Physico-Chemical and excess thermodynamic properties of Acrolein with Methanol at 298K Temperature and 10MHz Frequency.	Archives of Applied Science Research, Scholar Research Library Vol. 8(3), 2016, 16-21, SSN: 0975-508X	2016
	41.	Variation of some thermo acoustic parameters of aqueous Calcium Hydroxide and Dimethyl formamide at 7MHz with the temperature".	Intellectuals Society for Socio-Techno Welfare, ISST Journal of Applied Physics, 7(1), ISSN No.0976-903X.	2016
	42.	Theoretical evaluation of ultrasonic velocity in binary Liquid Mixtures at 5mhz for Temperature 298K.	IOSR Journal of Applied Physics (IOSR-JAP), 8(6), PP: 10-14, e-ISSN: 2278-4861.	2016
Dr. P. N. Bagade	1.	Physicochemical and spectroscopic studies of Lithium, Sodium and Potassium	International Journal of Chemical and Pharmaceutical	2013

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(Chemistry)		with p-ChloroIsonitrosoaceto-phenone.	Research,5(5), pp.365-368,ISSN: 0975-7384	
	2.	Synthesis and spectral studies of Alkali Metals with p-ChloroIsonitrosoacetophenone (p-HCIINAP).	International Journal of Chemical and Chemical Sciences, 3(3), pp.141-145, ISSN:2229-760X	2013
	3.	Analysis of waste water and its utilization for drinking and agriculture purposes in the area of Chandrapur district (M.S.)	Vidharbha Journal of Science, 8(1-2), ISSN: 0973-8932	2013
	4.	Synthesis, magneto-spectral characterization and antimicrobial activity of alkali metal complexes with Isonitroso-4-chloroacetophen-one(4-HCIINAP).	Int. Jn. of Researches in Biosciences, Agriculture and Technology, pp.9-18, ISSN: 2347-517 X	2014
	5.	Characterization and biological studies of neutral complexes of the ligand Isonitroso-4-Chloro-acetophenone with alkali metals.	International JournalDer Pharmacia letters, Scholar Research lab. Achieves of Applied Science Research, 6(5), pp.86-89, ISSN: 0975-508X	2014
Dr. G. K. Singh (Electronics)	1.	Measurement of ultrasonic velocity in liquids using wireless technology: SMS	IOSR Journal of Applied Physics (IOSRJAP) , 1(3), 20-22, ISSN: 2278-4861	2012
	2.	Remote monitoring of pulser-receiver setup for ultrasonic velocity measurement using Email.	Jn. Instrum. Soc. India, 42(3), pp. 172-174, ISSN: 0970-9983	2012
	3.	Design of multi-frequency ultrasonic pulse-echo system.	IOSR Journal of Applied Physics (IOSRJAP) , 2(4), pp. 35-39, ISSN: 2278-4861	2012
	4.	Design of mobile phone based precise temperature controller.	J. Instrum. Soc. India, 43(1), 37-40, ISSN: 0970-9983	2013
	5.	Design of Embedded Sing-around System for Ultrasonic Velocity Measurements in Liquids, Journal of Embedded Systems.	Journal of Embedded Systems, 2(1), pp.15-17, Journal of Embedded Systems, 2(1), 15-17, ISSN: 2376-7987 (Print), 2376-7979 (Online)	2014
Dr. Sau. R. H. Lad	1.	शेतक-यांच्या आत्महत्याचा त्यांच्या विधवा व कुटूंबावर होणारा परिणाम	National Research Journal, Vol. 1, pp. 151-153, ISSN: 2278-3199.	2012
	2.	गडचिरोली जिल्हयात माडीया जमातीत युवा गृहातील सांस्कृतिक बदल	Exploration, Indian Journal of Multidiscipline, Vol. 2, pp.75-78, ISSN: 2249-2089	2012

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	3.	आधुनिक सिद्धि वाद हे बदलते संदर्भ	Decision and Action Research Journal, Vol. 4, pp. 89-92, ISSN: 0975-590X	2012
	4.	बेरोजगारी एक सामाजिक समस्या	Journal of Biological & Physical Sciences, (International council for Man and Nature)Vol. -4, pp. 805-807, ISSN: 2319-636X	2012
Mr. S. D. Petkar (Botany)	1.	Comparative pharmacognostic study of two species of <i>Chlorophytum</i> Ker-gawl.	International Journal of Researches in Biosciences, Agriculture and Tecnology, pp. 430-433, ISSN:2347-517X	2015
Dr. A. P. Sawane (Zoology)	1.	Seasonal distribution of zooplankton in Irai river, Dist. Chandrapur, Maharashtra.	J. of Science Information (Special Issue-3), pp. 9-10, ISSN: 2229-5836	2012
	2.	Effect of domestic activities on water quality parameters of river Irai.	J. of Science Information (Special Issue-3 for UGC sponsored National Conference on 'Current Status of Fresh water Aquatic Biology & Water Conservation'), pp. 103-105, ISSN: 2229-5836	2012
	3.	Studies on water quality of Gandhi Sagar Lake, Nagpur, (M.S.), India.	J. of Science Information (Special Issue-3 for UGC sponsored National Conference on 'Current Status of Fresh water Aquatic Biology & Water Conservation, pp. 111-116, ISSN: 2229-5836	2012
	4.	Studies on vitellogenesis in the aquatic beetle <i>Cybister Tripunctatus</i> (Coleoptera; Dytiscidae).	Online International Interdisciplinary Research Journal, (Bi-Monthly), 2(4) pp. 45-54, ISSN: 2249-9598.	2012
	5.	Ichthyofaunal diversity of Kolar dam, Dist. Nagpur, Maharashtra State.	Bionano Frontier, Special Issue, pp. 4-6, ISSN: 0974-0678	2012
	6.	Evaluation of nutritive value of local fishes in waniregion, dist. Yavatmal, (Maharashtra State).	Environment Conservation Journal, 13(1&2), pp. 157-160, ISSN: 0972-3099)	2012
	7.	Ichthyofaunal diversity of Wardha river and Nurguda river in selected stretch of Wani, Dist.	Environment Conservation Journal, 13(1&2), pp. 125-128, ISSN: 0972-3099	2012

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		Yeotmal (M.S.), India.		
	8.	Nutrient dynamics in relation to discharge of sewage in Wainganga river water at Pauni, District Bhandara (M.S.), India	Environment Conservation Journal, ISSN: 0972-3099, 13(1&2), pp. 78-83, ISSN:0972-3099	2012
	9.	Zooplankton abundance and its correlation with physicochemical parameters from urban lake Wani, Dist. Yeotmal, Maharashtra.	Environment Conservation Journal, 13(1&2), pp. 141-144, ISSN: 0972-3099	2012
	10.	Fish diversity of Chargaonreservoir,district Chandrapur,(M.S.) India	Indian Steam Research Journal, Special issue, pp. 79-80,ISSN: 2230-7850	2013
	11.	Monitoring water quality parameters from some freshwater wetlands of Warora Taluka, Chandrapur District, Maharashtra State.	International Journal of Research in Bioscience, Agriculture and Technology, pg. 237 , ISSN: 2347-517X (online)	2015
	12.	Diversity and distribution of spiders (Arachnids:Aranae) from Chandrapur District, Maharashtra, India	Online international Interdisciplinary Research Journal (Bi-monthly),6(1), ISSN: 2249-9598	2016
	13.	Zooplanktonic diversity in Kolar river, district Nagpur (MS), India.	Int. J. of Life Sciences, Special Issue A6, pp. 181-185, ISSN: 2320-7817 (Print), 2320-964X (Online)	2016
	14.	Icthyofaunal diversity of Wardha river in the vicinity of Warora, Dist. Chandrapur (MS) India.	IJBAT, Special Issue, pp. 136-139, ISSN: 2347-517X	2016
Mr. A. L. Pandhare (English)	1.	R W Emerson's 'Nature': An analysis through Eco-critical Approach.	Journal of Science Information (Special Issue-3), pp. 34-37, ISSN: 2229-5836	2012
	2.	Jhumpa Lahiri: Nuances of human relationship under diasporic tension in 'Interpreters of Maladies.	Vidyabharti International Interdisciplinary Research Journal (Special Issue), pp.68-71, ISSN: 2319-4979	2015
	3.	Reflection of racial segregation ( Apartheid) in the novels of J. M. Coetzee.	Research Journal of English Language and Literature (RJELAL), 4(4), pp. 137-140, ISSN:2395-2636 (Print) , 2321-3108(Online).	2016
	4.	Post-Colonializm in the Novels of	'Research Journey' Inter-	2016

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		J M Coetzee.	national Multidisciplinary E-Research Journal Special Issue I– Emerging Trends & Issues in Research & Development Global, pp. 9-14, IF: 0.676 (2015), ISSN: 2348-7143 (Online)	
Mr. A. N. Barde (English)	1.	Issue of toxic waste versus corporate might and Judicial Puppetry: Environmentalism in the contemporary American popular fiction.	Journal of Science Information, Special Issue-3, pp. 84-86, ISSN : 2229-5836	2012
	2.	Post-modern Literary Theory’s problematization of ‘Reality’ and Global Environmental Discourse: Ecocriticism as a Response’.	International Interdisciplinary Research Journal’(indexed with Advanced sciences index, Germany)- Special issue -2, pp. 224-227, ISSN:2319-4979	2015
	3.	Problematization of ‘Reality’ and Global Environmental Discourse: Ecocriticism as a Response’.	‘International Interdisciplinary Research Journal’- Special issue -2, pp. 224-227, ISSN: 2319-4979	2015
	4.	Ecocriticism: A call for academic interdisciplinarity.	‘Literary Voices’- A Peer Reviewed Annual Journal of Languages, Vol-4, pp. 148-156, ISSN: 2277-9949	2015
	5.	Literary Images of Pollution: An ecocritical reading of Margaret Atwood’s early novels.	‘Pune Research Scholar’, an International multidisciplinary Journal, vol. 2, issue 6, pp. ,ISSN: 2455-314X, IF:2.46	2016
Mr. S. A. Shah (Chemistry)	1.	Determination of intermolecular interactions in polar and non-polar organic molecules by optical (Refractive Index) method.	J. Chem. & Chem. Sci. Vol.3 (2), 80-84, ISSN: 2229-760X	2013
	2.	Acoustical & thermodynamical study of Toluene in Cyclohexane and Nitrobenzene at 303K using ultrasonic technique.	J. Pure Appl.& Ind. Phys.,4(1), pp:21-28, ISSN: 2229-7596	2014
	3.	Ultrasonic studies of intermolecular interactions in some carbohydrates (dextrose, fructose and inositol) at 298.15K.	Inter. J. Res. in Biosci. Agri. &Tech. 1(2), pp. 965-973, ISSN: 2347-517X	2014
	4.	Ultrasonic Studies of intermolecular interactions of Dextrose and Fructose in	Intr. J. Scien. & Res. (IJSR), ISSN(online):2319-7064	2015

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		alcoholic medium at three different temperatures.		
	5.	Compressibility of solutes (Dextrose and Inositol) particles in liquid mixtures by ultrasonic methods	Intellectual Society for Socio-Techno Welfare B-401 Ghaziabad U.P. India, ISBN-987-81-930894-1-5	2015
Dr. R. R. Kamdi (Zoology)	1.	Effect of biocontrol Agent of the paraventricular nucleus of the common carps <i>Cyprinus carpio</i> .	Bionno frontier, Vol. 5 (2-1), pp. 84-86, ISSN: 0974-0678	2012
	2.	Antibacterial activity and phytochemical analysis of leaves of <i>Lantana camara</i> .	Journal of Science Information Special Issue- 3, pp. 92-94, ISSN: 2229-5836	2012
	3.	Fish Diversity (Cypriniformes) in Nirguda river near Wani, Dist. Yavatmal (MS) India.	Journal of Science Information, Special Issue-3, pg no. 67-69, ISSN:2229-5836	2012
	4.	Effect of distillery effluents of germinability, seedling vigour and field emergence in Mungbean.	Journal of Science Information/ Special Issue-3, pp. 141-144, ISSN: 2229-5836	2012
	5.	Male reproductive toxicity of Vincristine on seminal vesicle of Indian Palm Squirrel, <i>Funambulus pennant</i> .	Journal of Science Information/ Special Issue-3, pp. 117-123, ISSN: 2229-5836	2012
	6.	Ichthyofaunal diversity of Kolar dam, Dist. Nagpur, Maharashtra State.	Bionano Frontier, Special Issue. ISSN 0974-0678. (4-6).	2012
	7.	Ichthyofaunal diversity of Wardha river and Nirguda river in selected stretch of Wani, Dist. Yavatmal (MS), India.	Environmental Conservation Journal, 13(1&2), pp.125-128, ISSN: 0972-3099	2012
	8.	Evaluation of nutritive value of local fishes in Wani region, Dist. Yavatmal, (Maharashtra State).	Environment Conservation Journal, Vol.13 (1&2), pp.157-160, ISSN: 0972-3099(Print), 2278-5124 (Online)	2012
	9.	Fish diversity of Chargaon reservoir, district Chandrapur,(M.S.) India	Indian Stream Research Journal, Special issue, 79-80,ISSN: 2230-7850)	2013
	10.	<i>In Vitro</i> antagonistic activity of <i>Bacillus thuringiensis</i> against fish pathogens prevailing in aquaculture.	Journal of Researches in Biosciences,Agriculture and Technology(IJBAT) , 2(2),206-210, ISSN: 2347-517X	2014
	11.	Isolation of bacterial pathogens from local fish market of Warora city, Maharashtra, India.	International Journal of Researches in Biosciences, Agriculture and Technology ( IJBAT), 2(3), 106-110,	2015

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			ISSN: 2347-517X	
	12.	Simplified protocols for exploration of bioinformatics databases.	Recent trends in Bioinformatics and Biostatistics, ISBN:978-93-83912-03-2	2015
	13.	Study of seasonal physico-chemical and macro-invertebrates variations of river Kolar at Saoner, Maharashtra.	International Journal of Researches in Biosciences, Agriculture and Technology (IJRBAT),2(3), 252-256, ISSN: 2347-517X	2015
	14.	A critical study of Physico-chemical characteristics of lake water present in the vicinity of industrial area.	IJRBAT, Special Issue (6), Pg. 74, ISSN: 2347-517X	2015
	15.	Diversity of Bacterial Pathogens from Bengali Camp Fish Market of Chandrapur, Maharashtra, India.	Special issue IJRBAT Feb. 2016., 66-69, ISSN: 2347-517X)	2016
Dr. A. A. Mistry (Physics)	1.	Acoustic and excess parameters studies on interaction in ternary liquid mixtures using ultrasonics technique.	Journal of Science Information (JSI Vol.2(1) pp. 27-33, ISSN : 2229-5836	2011
	2.	Comparison between experimental result and theoretical prediction using Flory's theory for the binary liquid mixtures	Advances in Applied Science Research, Pelagia Research Library, 2(6), pp. 70-77, ISSN: 0976-8610	2011
	3.	Thermo-acoustical molecular interaction studies in ternary liquid mixtures using ultrasonic technique at 303K.	Adv. Appl. Sci. Res., 4(2), 54-59.	2013
	4.	Thermo-acoustical and Non-linear molecular interaction studies in ternary liquid mixtures at 298K.	IOSR Journal of Applied Physics (IOSR-JAP), 1-3, (ISSN: 2278-4861).	2014
	5.	Acoustical &thermodynamical study of Toluene in Cyclohexane & nitrobenzene at 293K, 298K and 303K" using Ultrasonic Technique.	Journal of pure applied & industrial physics, 4(1), 21-28.	2014
	6.	Studies of acoustic and thermodynamic properties of aqueous sodium hydroxide and Dimethyl sulfoxide system at 303.15K and at frequency 4MHz.	IJSR (Online) 2319-7064, Impact Factor 4.438.	2015
Dr. M. H.	1.	Effect of molar mass on the physical properties (	JSI, Vol.2(1) ISSN : 2229-5836	2011

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Durge (Mathematics)		Refractiveindex and Viscosity ) & Invalidation of the Lorentz Mossoti Formula of Alcoholic homologus series.		
	2.	Michell's function and limiting thickness of circular plate with internal heat generation.	JPMS Vol. 3 (4) pp. 43-49.	2013
	3.	Effect of Michell function on the thickness of annular disc with internal heat generation.	JPMS Vol. 3 (4) pp. 1-7.	2013
	4.	Mathematical Modeling of Quasi-Static Thermoelastic Steady State behavior of Thick Circular Plate with Internal Heat Generation.	JPMS Vol. 3 (4) pp. 8-14.	2013
	5.	Quasi static thermal stresses in a limiting thick circular plate with internal heat generation due to axisymmetric heat supply.	IJMSI, Vol.1(2) , pp. 56-63	2013
	6.	A brief note on quasi static thermal stresses in a thin rectangular plate with internal heat generation.	American J. of Eng. Research ( AJER) Vol.-02, Issue-12, 388-393	2013
	7.	An inverse steady state thermal stresses in a limiting thick circular plate with internal heat generation.	Asian Journal of Current Engineering and Maths, 353 - 356	2013
	8.	Effect of Michell function on the thickness of annular disc with internal heat generation.	IOSR Vol.7, Issue 6, pp. 47-52	2013
	9.	Some study of Thermoelastic Steady State behavior of Thick annular disc with Internal Heat Generation.	IOSR Vol.8, Issue 2, pp 55-60	2013
	10.	Transient thermal stresses due to instantaneous internal heat generation in a thin annular disc	Asian Journal of Current Engineering and Maths Vol.2: pp.349 - 352	2013
	11.	A Signal Can Move Faster Than Light.	Jn.of Sci. Inf.Spe.issue. 9, 152 – 156 , ISSN : 2229 – 5836	2014
	12.	Effect of Michell function on the thickness of circular plate with internal heat generation	IOSR Vol.9, Issue 4, pp. 62-70	2014
	13.	Quasi-static transient thermal stresses in a dirichlet's thin hollow cylinder with internal moving heat source.	Int. J. of Phy. and Math. Sci., 4 (1), 188-192, ISSN: 2277-2111	2014



14.	Quasi-static thermal stresses in a neumann's thin hollow cylinder with internal moving heat source.	Golden Research Thoughts ISSN 2231-5063 IF: 2.2052 (UIF) Vol.-3(12)	2014
15.	Quasi-static transient thermal stresses in a dirichlet's thin rectangular plate with internal moving heat source.	Review Of Research Vol. 3(9) Impact Factor : 2.1002 (UIF), ISSN:-2249-894X	2014
16.	Quasi-static transient thermal stresses in a neumann's thin rectangular plate with internal moving heat source.	Indian Streams Research Journal, Vol.4(5), ISSN: 2230-7850	2014
17.	Quasi-Static transient Thermal Stresses in a Robin's thin Rectangular plate with internal moving heat source.	Weekly Science Research Journal, 2321-7871, 1(44)	2014
18.	Quasi-static Thermal Stresses in thin Rectangular Plate with Internal moving line heat source.	Science Park Research Journal, 2321-8045, 1(44)	2014
19.	Quasi-Static Transient Thermal Stresses in a Dirichlet's thin Solid Cylinder with Internal Moving Heat Source.	IOSR J. of Math. (IOSR-JM), p-ISSN: 2319-7676. 10(2), e-ISSN: 2278-3008	2014
20.	Quasi-Static transient Thermal Stresses in a Neumann's thin Solid cylinder with internal moving heat source.	Ame. J. of Eng. Res. (AJER), p-ISSN : 2320-0936 3(3), 75-79, e-ISSN : 2320-0847	2014
21.	Quasi-Static Thermal Stresses in a Robin's Thin Hollow Cylinder with Internal Moving Heat Source.	Int. J. of Mathematics Trends and Technology, 8(1)	2014
22.	NATURE OF SEQUENCE $\left\{ \frac{n^m}{n^{m+k}} / m, k \in \mathbb{N} \right\}$	Int. J. of Phy. and Math. Sci., 4(1), ISSN: 2277-2111 (Online)	2014
23.	GENERALIZED RING OF QUATERNION WITH UNITY	Int. J. of Phy. and Math. Sci., 4(1), 131-133, ISSN: 2277-2111 (Online)	2014
24.	NATURE OF ALGEBRAIC STRUCTURE $A = \{ +a_1i + a_2j + a_3k / a_0, a_1, a_2, a_3 \in F(\text{Field}) \}$	Int. J. of Phy. and Math. Sci., 4(1), 134-136, ISSN: 2277-2111 (Online)	2014
25.	NATURE OF SEQUENCE $\left\{ \frac{c(n^m+q)}{n^{m+p}} / c > 0, p, q, m \in \mathbb{N} \text{ and } q < p \right\}$	Int. J. of Phy. and Math. Sci., 4(1), 137-143, ISSN: 2277-2111 (Online)	2014
26.	NATURE OF ALGEBRAIC STRUCTURE	Int. J. of Phy. and Math. Sci., 4(1), 144-148, ISSN:	2014

	$A = \{ a_0 + a_1i + a_2j + a_3k / a_0, a_1, a_2, a_3 \in F(\text{Field}) \}$	2277-2111 (Online)	
27.	NATURE OF GENERALIZED ALGEBRAIC STRUCTURE $\{ A = a_0G_0 + a_1G_1 + a_2G_2 / a_i \in F \& G_i \in C(P) = \text{class of algebraic structure} \}$	Int. J. of Phy. and Math. Sci., 4(1), 149-152, ISSN: 2277-2111 (Online)	2014
28.	NATURE OF GENERALIZED ALGEBRAIC STRUCTURE $\{ A = a_0G_0 + a_1G_1 + a_2G_2 + a_3G_3 / a_i \in F \& G_i \in C(P) = \text{class of algebraic structure} \}$	Int. J. of Phy. and Math. Sci., 4(1), 153-155, ISSN: 2277-2111 (Online)	2014
29.	NATURE OF SEQUENCE $\left\{ \frac{n}{n+2} \right\}$	Int. J. of Phy. and Math. Sci., 4(1), 156-162, ISSN: 2277-2111 (Online)	2014
30.	NATURE OF ALGEBRAIC STRUCTURE $A = \{ a_0 + a_1i + a_2j + a_3k + a_4l / a_i \in F(\text{field}) \}$	Int. J. of Phy. and Math. Sci., 4(1), 163-165, ISSN: 2277-2111 (Online)	2014
31.	NATURE OF GENERALIZED ALGEBRAIC STRUCTURE $\{ A = a_0G_0 + a_1G_1 + a_2G_2 + a_3G_3 + a_4G_4 + a_5G_5 / a_i \in F \& G_i \in C(P) = \text{class of algebraic structure} \}$	Int. J. of Phy. and Math. Sci., 4(1), 166-169, ISSN: 2277-2111 (Online)	2014
32.	NATURE OF SEQUENCE $\{ (n^m + q) / n^m + p / c \neq 0, p > q, p, q, m \in N \}$	Int. J. of Phy. and Math. Sci., 4(1), 170-175, ISSN: 2277-2111 (Online)	2014
33.	NATURE OF ALGEBRAIC STRUCTURE $A = \{ a_0 + a_1i + a_2j + a_3k + a_4l + a_5m / a_i \in F \}$	Int. J. of Phy. and Math. Sci., 4(1), 176-179, ISSN: 2277-2111 (Online)	2014
34.	NATURE OF GENERALIZED ALGEBRAIC STRUCTURE $A = \{ a_0G_0 + a_1G_1 + a_2G_2 + a_3G_3 + a_4G_4 / a_i \in F \& G_i \in C(P) \}$	Int. J. of Phy. and Math. Sci., 4(1), 180-182, ISSN: 2277-2111 (Online)	2014
35.	INNER PRODUCT SPACE $A = \{ a_0 + a_1i + a_2j / a_i \in F \}$	Int. J. of Phy. and Math. Sci., 4(2), 87-89, ISSN: 2277-2111 (Online)	2014
36.	INNER PRODUCT SPACE $A = \{ a_0 + a_1x_1 + \dots + a_{n-1}x_{n-1} + a_nx_n / a_i \in F \text{ and } n \in N \}$	Int. J. of Phy. and Math. Sci., 4(2), 90-92, ISSN: 2277-2111 (Online)	2014
37.	Generalised Inner Product Space $A = \{ +a_1G_1 + a_2G_2 / a_i \in F \& G_i \in C(P) \}$ , Where $C(P) =$ Class of algebraic structures of	Multi disciplinary Research Journal of India ,Dr.BhauMandavkar Research Centre , Indira	2014

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		codes in universe.	Mahavidyalaya Kalamb , Distt. Yawatmal, Maharastra 445401(india) , 1(1), ISSN : 2349 9370 ,	
	38.	n-fold ring $A = (A, \theta_1, \theta_2, \theta_3, \dots, \theta_{n+1})$	Int. J. of Phy. and Math. Sci., 4(3), 71-73, ISSN: 2277-2111 (Online)	2014
Dr. P. J. Wagh (Botany)	1.	Effect of sodium azide and gamma rays treatments on percentage germination, survival, morphological variation and chlorophyll mutation in Musk Okra ( <i>Ablemoschus moschatus</i> L.).	Indian Journal of Pharmacy and Pharmaceutical Sciences, Vol. 3 Suppl. 5, pp. 483-486, ISSN: 0975-1491	2011
	2.	Callus induction studies in <i>Psophocarpus tetragonolobus</i> (L).	Int. Jn. Of Pharmaceutical Sciences Review and Research, 10(2), pp. 30-32, ISSN: 0976-044X	2011
	3.	Effect of soluble chitosan application on <i>in vitro</i> germination of dormant <i>Colchicum luteum</i> Baker, corms.	International Journal of Research In Bioscience, Agriculture and Technology. ISSN-2347-517X	2015
Dr. D. S. Panchabhai (Chemistry)	1.	Free radical scavenging acitivity of gamma irradiated and unirradiated <i>Citrus medica</i> empty juice sacs.	Asian J. Research Chem, 4(6), pp. 960-962, ISSN: 0974-4169 (Print), 0974-4150 (Online)	2011
Dr. Sau. S. R. Verma (Zoology)	1.	Toxicity evaluation of raw and bacterial strain treated slaughterhouse wastewater on fish <i>Lebistes reticulatus</i> (Peter).	Research J. Science and Tech., 4(6), pp. 258-261, ISSN: 0975-4393(Print), 2349-2988(Online)	2012
	2.	Histopathological changes due to some chlorinated hydrocarbon pesticides in the tissues to <i>Cyprinus carpio</i> .	IOSR Journal of Pharmacy, 2(6), ISSN:2319-4219(Print), 2250-3013 (Online)	2012
	3.	Evaluation of high-volume air samplers for ambient air quality monitoring in real atmosphere.	Asian J. Research Chem., 5(8), pp. 990-995, ISSN: 0974-4169 (Print), 0974-4150 (Online)	2012
	4.	Impact of leaching from iron ore mines on terrestrial and aquatic environment.	International Journal of Environmental Sciences, 2(4), pp. 2378-2386, ISSN: 0976 – 4402	2012
	5.	Impacts due to tailings ponds on water quality and biological environment: A case study.	Published in Asian Journal of Research in Chemistry- 5(2), pp. 239-244, ISSN: 0974-4169 (Print), 0974-	2012

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		4150 (Online)	
6.	Impact of leachate from overburden on environment.	NeBIO, an International Journal of Environment and Biodiversity, Vol 3(3), ISSN:2278-2281 2378-2386	2012
7.	Toxicity of heavy metal to a freshwater crustacean <i>Cerio daphnia dubia</i> .	Int. Jn. of Chemical and Physical Sciences (IJCPS), Vol. 2, Special Issue, ISSN:2319-6602	2013
8.	Biodiversity management using remote sensing and GIS technologies for East Melghat, India.	Indian Streams Research Journal, special issue, ISSN:2230-7850, IF-0.21	2013
9.	Acute toxicity of Chromium and Lead to the freshwater <i>Lebistes reticulatus</i> (Peter).	Golden Research Thoughts, 2(11), ISSN:2231-5063, IF-1.20	2013
10.	Environmental modeling studies on impacts of tailing ponds on groundwater quality at Iron ore mines, India.	Int. Res. J. of Science & Engineering, Vol. 1(2): 31-40 ISSN: 2322-0015	2013
11.	Study of seasonal physico-chemical and macro invertebrates variations of river Kolar at Saoner, Maharashtra.	Maharashtra. International Journal of Researches in Biosciences, Agriculture and Technology (IJRBAT),2(3), 252-256, ISSN: 2347-517X	2015
12.	Impact of stone quarry on biodiversity and conservation plans after mine closure as mitigation measures.	Hislopiya Journal 8 (1/2), 87-94, ISSN-0976-2124	2015
13.	Occupational noise exposure: In and around a major coal based thermal power plant.	Hislopiya Journal 8 (1/2), 25-35, ISSN-0976-2124	2015
14.	Effect of biogenic silica soil conditioner on paddy crop in India.	Int. Jn.l of Latest Research in Eng. and Tech. (IJLRET ) 1 (7), 33-39 ISSN: 2454-5031(Online) www.ijlret.coml	2015
15.	Green buildings concept towards sustainable urban development and panacea for global warming	Int. Jn.of Latest Research in Eng. and Tech. (IJLRET ),2(1), 33-39,ISSN: 2454-5031	2016
16.	Study of present status of solid waste dumping sites and aerobiological Study for bioaerosols near and around the landfill sites in Delhi.	Gurukul International Multidisciplinary Research Journal. Special issue (ISSN 2394-8426) Impact Factor 2.254	2016

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	17.	Study of present status of solid waste dumping sites and aerobiological study for bioaerosols near and around the landfill sites in Delhi.	Int. Jn.of Latest Research in Eng. and Tech. (IJLRET ), 2(2), pp. 57-65, ISSN: 2454-5031, www.ijlret.com	2016
	18.	Decontamination of water resources through sustainable ecological sanitation of night soil with production of biofertilizer (Review article).	Annals of Applied Bio-Sciences, Vol. 3(1), pp R 12-16, e-ISSN: 2349-6991,p-ISSN: 2455-0396, www.pacificjournals.com/aabs	2016
	19.	Impact assessment of heavy metals (chromium and lead) on crustaceans.	Int. Jn. of researches in biosciences, agriculture and technology (IJRBAT), Special Issue, 154-157, ISSN 2347 – 517X, www.vmsindia.org	2016

❖ **Papers Published in Conference Proceedings:**

Faculty		Title of Research Paper	Published in Conference Proceedings	Year
Dr. M. C. Kale (Botany)	1.	Simplified protocols for exploration of bioinformatics databases.	'Recent trends in Bioinformatics and Biostatistics', pp. 111-114,, ISBN:978-93-83912-03-2	2015
Dr. V. D. Bhandakkar (Electronics)	1.	Molecular Interactions studies in ternary liquid mixtures using ultrasonics technique at 308K.	UGC sponsored National Conference on Synthesis and Characterization of advanced Materials organized by Dept. of Physics, Janta Mahavidyalaya Chandrapur, ISBN:978-93-81660-32-4	2011
	2.	Ultrasonics Velocity and absorption studies in some Bio-liquid	UGC sponsored National Conference on Synthesis and Characterization of advanced Materials organized by Dept. of Physics, Janta Mahavidyalaya Chandrapur, ISBN:978-93-81660-32-	2011

		mixtures.	4	
3.	Synthesis, structural and ultrasonic study of nano crystalline Tin Oxide		UGC sponsored National Conference on Synthesis and Characterization of advanced Materials organized by Dept. of Physics, Janta Mahavidyalaya Chandrapur, ISBN:978-93-81660-32-4	2011
4.	Acoustical Studies on molecular interactions in binary liquid mixtures at 298k.		UGC sponsored National Conference on Recent trends in materials synthesis and characterization organized by Bhalerao Science College Soaner, Nagpur, ISBN:978-81-9222229-1-2	2011
5.	Ultrasonic investigations in Bio-liquid mixtures of methanol with cinnamaldehyde at different frequencies and concentrations.		UGC sponsored National Conference on Bio-nano Frontier on technologies in Engg. and Science for Energy applications, organized by Deptt. of Physics Dr. Ambedkar College Nagpur, ISSN:0974-0678	2012
6.	Molecular interactions studies of polyvinyl pyrrolidone (PVP) in aqueous medium.		Proceedings of the international conference-ACOUSTICS-2013, NEW DELHI, 639-644.	2013
7.	Thermo-acoustical & non-linear Molecular interaction studies in binary liquid mixtures at 298K and 4MHz frequency.		Proceedings of the international conference-ACOUSTICS-2013, NEW DELHI, Nov, 10-15, 2013, 470-474.	2013
8.	Study of strong		Proceedings of the international	2013

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		dipole-induced dipole inter-molecular interactions of Cinnamaldehyde with Cyclohexane in the frequency range 1-10MHZ.	conference-ACOUSTICS-2013, NEW DELHI, 655-660.	
	9.	Ultrasonic investigation of molecular interactions in binary liquid mixture at 303K.	Proceedings of the international conference-ACOUSTICS-2013, NEW DELHI, 475-480.	2013
	10.	Molecular interaction study of Acrylonitrile in Acetone at different temperatures.	All India conference on Global Innovation in Physics, organized by Chhatrapati Shivaji Institute of Technology, Shivaji Nagar, Durg-491001 ISBN: 978-81-923288-1-2, 8.4-8.7.	2013
	11.	Molecular interactions by ultrasonic study in binary mixtures at 303K and 4MHz frequency.	All India conference on "Intelligent System in Physics", Chhatrapati Shivaji Institute of Technology, Durg, India, -491001, (ISSN: 978-81-923288-2-9), pp:9.5-9.8	2014
	12.	Molecular interaction studies in ternary liquid mixtures using Ultrasonic technique at 308K.	UGC sponsored National Conference on Material Characterization and their applications of Advanced Material organized by Dept. of Physics, Anand Niketan College, Anandwan Warora, pp. 86-89, ISSN:2229-5836,	2014
	13.	Studies of acoustic and thermodynamic properties of binary mixtures at 303K and 4MHZ frequency.	Proceedings of National Symposium of Ultrasonics (NSU-XX, USI, Ravenshaw University, Cuttack), 24-25, pp-250-252	2014
Mr. V. S. Dhabarde	1.	Annulling effect on optical B. G. of high	Proceedings of UGC sponsored National Conference organized by A. N. College, Warora, pp. 142-144,	2014

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		transparent tin oxide thin film.	ISBN: 2229-5836	
Dr. S. N. Sable (Librarian)	1.	Re-engineering and the Management of Subordinate Human Resources in College Libraries for Improving Services.	Proceeding of UGC Sponsored National Seminar on 'Re-engineering of College library services' held at New Arts College, Wardha, pp.47-52, ISBN 978-93-80986-04-3	2011
	2.	Integrated method of teaching in LIS education: A study.	Proceeding of UGC Sponsored National Conference on 'Hundred years of LIS education in India: Future Perspectives' held at DLIS, RTMNU, Nagpur on 10th January, 2012. pp.222-233. ISBN 978-81-921914-6-1	2012
	3.	Application of Total Quality Management in College Library Services.	Proceeding of UGC sponsored National Seminar on 'Quality Indicator of Services in College Libraries', pp.1-7, ISBN: 978-93-82351-51-1	2014
Dr. Sau. R. H. Lad (Sociology)	1.	घरगुतीअत्याचार – एक समाजशास्त्रीय अध्ययन	UGC Sponsored International Conference on 'Woman Empowerment & Globalization', pp. 340-343, ISBN: 978-81-92222-3-6	2014
	2.	आदिवासी जीवनावर नक्षलवादाचा प्रभाव (विशेषसंदर्भ – भामरागड तालुका)	UGC Sponsored One Day Multidisciplinary National Seminar on 'Naxalism : Historical Perspective, Socio – Economic Impact & Present Political Scenario, pp.55-58, ISBN: 978-81-926999-7	2014
Dr. C. K. Jiwane (Commerce)	1.	Buddhism and women Empowerment.	Proceedings of UGC sponsored two day, National Seminar on Buddhism The Way Towards Perfect Humanity, DNC, Nagpur, pg. 165, ISBN: 13-987-81-921416-5-7	2011
	2.	Role of women in corporate sector and entrepreneurship.	Proceedings of UGC sponsored two day International National Conference on Women Empowerment, Ramakrishna College, Darapur.(Amravati), pg. 39, ISBN: 978-81-922414-0-1.	2011
	3.	Child labour and role of human	Proceedings of UGC sponsored two day National Conference on Human	2012



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	rights in India.	Rights: Concepts and Issues, G.S. Tompe College, Chandur Bazar (Amravati), pg. 105, ISBN: 81-89002-08-2	
4.	Technological Hazards: Effects and Remedies.	Proceedings of UGC sponsored National Conference on Developing Environmental Consciousness, A.N. College, Anandwan-Warora, pg. 94, ISSN: 2229-5836	2012
5.	Shetkaryanchya Atmahatyechi Karane Aani Upay.	Proceedings of UGC sponsored One day, National Conference on Agriculture Policy in India and Farmers Suicide Samarth Mahavidyalaya, Lakhani, pp. 160-165, ISBN: 978-93-81432-22-8	2012
6.	Dr. Ambedkar and women empowerment.	Proceedings of One day National Interdisciplinary Conference on Equality, Social Justice & Women Empowerment. Dr. Ambedkar Teachers' Welfare Association, Nagpur, pp. 72-74, ISBN: 978-81-925424-0-9	2012
7.	Labour's Rights and Dr. B.R. Ambedkar's view on women's rights.	UGC sponsored two days Inter National Conference on Theories of Identity in Human Rights and Dr. B.R. Ambedkar's Thoughts. Ramakrishna College, Darapur. (Amravati), pp. 137138, ISBN: 978-13- 82588- 06-1	2013
8.	Insurance services and its utility.	UGC sponsored National Conference on Strategic Services Marketing in the Comprehensive Market Scenario-Challenges and Opportunity. G.S. College of Commerce, Wardha, pp. 21-25, ISBN: 978-81-927078-0-8	2013
9.	Thoughts of Dr. B.R. Ambedkar on Economics.	UGC sponsored National Interdisciplinary Conference on Ambedkarite Philosophy: It's Relevance. DNC, Nagpur, ISBN:13-978-81-926999-3-6	2013
10.	Role of infrastructure facilities in rural development.	UGC sponsored National Conference on "Changing Issues in Agriculture, Rural Finance and Rural Infrastructure" M.G. College Armori, pp. 41-47, ISBN:978-93-82351-35-1	2014
11.	Service sector and rural economic development in India.	One Day National Conference organized by G.S. Tompe Arts, Commerce & Science College, Chandur Bazar, pg. 84, ISBN:978-93-82588-56-6	2014

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	12.	Impact of globalization on Indian Economy.	One Day National Conference organized by Fule-Ambedkar Arts College, Mindhala, pg. 373, ISBN:978-93-84198-23-3	2015
	13.	Development of agriculture based industries in India.	International Interdisciplinary Conference “Vision 2056”, pg. 89, ISBN:978-93-84198-56-5	2015
	14.	Rural employment generation and development schemes: An evaluation.	International Conference (Interdisciplinary)” Dr. Babasaheb Ambedkar: Vision and 21 <sup>st</sup> Century” organized by Dr. Ambedkar Teacher’s Welfare Association, Nagpur, pg. 287, ISBN:987-81-925424-9-2	2015
Dr. A. P. Sawane (Zoology)	1.	Inculcation of value education in curriculum: A review	International Interdisciplinary Conference. ISBN: 978-93-84198-56-5 22&23	2014
Mr. A. L. Pandhare (English)	1.	Mulk Raj Anand: An exponent of Human Rights	Proceedings of Interdisciplinary National Conference on ‘Human Rights: Concepts and Issues’ organized by G S Tompe College, Chandur Bazar, pp.184-188, ISBN: 81-89002-08-2	2012
	2.	Dalit literature and identity crisis.	Proceedings of Interdisciplinary international Conference on Theories of Identity in Human Rights and Dr. Ambedkar’s thoughts organised by RamkrishnaMahavidyalaya, Darapu, pp. 145-146, ISBN:78-93-82588-06-1	2013
	3.	Enhancing learner ability through self-directed and question –answer methods.	Proceedings of National Seminar organised by Bar. Wankhede College, Khaparkheda, pp.13-14, ISBN:978-81-926344-0-1	2013
Mr. A. N. Barde (English)	1.	Teaching Grammar in ESL Setting: A Holistic Approach to Introduce Tense	Conference Proceedings- ‘Innovator’ organized by S. P. College, Chandrapur, pp. 76-78, ISBN: 978-93-83912-00-1	2014
	2.	Post-postmodern imperatives of culture change: Claims of nature against culture in a global technological	‘Vision-2056, an International Interdisciplinary Conference’, Chandrapur, ISBN:978-93-84198-56-5,organized by Dr. Babasaheb Ambedkar GUTA, pp. 67-69, ISBN: 978-93-84198-56-5	2014

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		community.		
Mr. S. A. Shah (Chemistry)	1.	Theoretical modeling of ultrasonic velocity of aqueous solution of Polydiallyl dimethyl Ammonium Chloride.	National Conference-NCSCAM, pp. 259-260, ISBN: 978-93-81660-32-4	2011
	2.	Evidences of supreme Being in the religion of Buddha.	Vision-56, International conference, pg. 300, ISBN: 978-93-84-84198-56-5	2014
Dr. R. R. Kamdi (Zoology)	1.	Inculcation of value education in curriculum: A Review.	Proceeding of International Interdisciplinary Conference, pp. 22-23 ISBN: 978-93-84198-56-5	2014
	2.	Simplified protocols for exploration of bioinformatics databases.	Proceedings of 'Recent trends in Bioinformatics and Biostatistics', pp. 111-114, ISBN:978-93-83912-03-2	2015
Dr. A. A. Mistry (Physics)	1.	Molecular interactions studies in ternary liquid mixtures using ultrasonics technique at 308K.	UGC sponsored National Conference on Synthesis and Characterization of advanced Materials organized by Dept. of Physics, Janta Mahavidyalaya Chandrapur, ISBN:978-93-81660-32-4, pp. 137-140	2011
	2.	Molecular interaction studies in ternary liquid mixtures using Ultrasonic technique at 308K	UGC sponsored National Conference on Material Characterization and their applications of Advanced Material organized by Dept. of Physics, Anand Niketan College, Anandwan Warora, pp. 86-89, ISSN:2229-5836,	2014
	3.	"Ultrasonic studies in ternary liquid mixtures of sodium hydroxide and dimethyl sulfoxide at 298K.	National Conference on Novel synthesis of advanced Materials & Their Applications organized by Dept. of Physics, Arts, Commerce and Science College, Maregaon, pp. 157-161, ISBN:987-81-930894-1-5,	2015
Sau. M. V.	1.	दलित साहित्य व	'बिहजन-२०५६'	2014

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Manohar (Marathi)		आदिवासी साहित्य	वआंतरराष्ट्रीयआंतरविद्याशाखीयपरिषद,Pg. 985, ISBN: 978-93-84198-56-5	
	2.	मराठी साहित्यात आदिवासी साहित्याचे स्थान	मराठी साहित्यात आदिवासी साहित्याचे योगदान, Pg. 106, ISBN: 978-81-924673-6-8	2015
	3.	डॉ. बाबासाहेब आंबेडकर यांचा स्त्री विषयक विचार	'Dr. B. R. Ambedkar : An Architect of Modern India', National Conference organized by Dr. Ambedkar College, Chandrapur pg. 154, ISBN:978-93-81289-36-5	2016
Sau. K. K. Kale (Commerce)	1.	Thoughts of Rashtra Sant on agriculture development.	Conference proceedings, organized by Shikshan Prasarak Mandal, Karmaveer Vidyalaya, Mul, pg. 180-185, ISBN: 978-93-80986-37-1	2012
	2.	Farmers suicide: Reasons and remedies.	Rashtriya Shikshan Sanstha, Lakhani, pg. 184-186, ISBN: 978-93-81432-22-8	2012
	3.	Agriculture Products rates depends on Production Cost.	'Vision-2056, an International Interdisciplinary Conference' organized by Dr. Babasaheb Ambedkar GUTA, Chandrapur, pp.730-731 , ISBN:978-93-84198-56-5	2014
	4.	Co-Operative Bank in Rural area.	One Day National Conference organized by G. S. College Of Commerce Nagpur, pp.276-277,ISBN:978-81-924596-2-2	2015
	5.	Dr. Ambedkar& Women.	National Conference-Dr. Ambedkar College Chandrapur, pp. , ISBN:978-81-930336-9-2	2016
Mr. M. R. Chaudhari (Commerce)	1.	Suicide of Farmers: Causes Measures	Proceeding of National Leave Conference on (Agriculture Policy in India and Farmers Suicide), pp. 216-217, ISBN: 978-93-81432-22-8	2012
	2.	Dr. Ambedkar's social thoughts	Equality, Social Justice And Woman Empowerment, PP 357-359, ISBN:978-81-925424-0-9	2012
	3.	Role of banking service in current service market	National Seminar on "Strategic services marketing in the Comprehensive market Scenario-Challenges and Opportunities" organized by G.S. College of Commerce, Wardha , PP. 25-29, ISBN: 978-81-927078-0-8	2013

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	4.	Exploring, and developing small scale industries.	'Vision-2056, an International Interdisciplinary Conference' organized by Dr. Babasaheb Ambedkar GUTA, Chandrapur, pp. 977-980, ISBN:978-93-84198-56-5	2014
	5.	Child Labour Act.	'Vision-2056, an International Interdisciplinary Conference' organized by Dr. Babasaheb Ambedkar GUTA, Chandrapur, pp. , ISBN:978-93-84198-56-5	2014
	6.	Impact of globalization on Indian economy.	One Day National Conference organized by Fule-Ambedkar Arts College, Mindhala, pp. , ISBN:978-93-84198-23-3	2015
Mr. N. K. Patil (Economics)	1.	डॉबाबासाहेब आंबेडकराचे आर्थिक विचार	National Interdisciplinary conference' on 'Equality, Social Justice & Women Empowerment'' Organized by Dr. Babasaheb Ambedkar Teacher Association, Nagpur, ISBN:978-81-925424-0-9	2012
	2.	बाल कामगार आणि मानवाधिकार	Proceeding of National Interdisciplinary conference' organized by G.S.Tompe Arts, Commerce & Science College Dist-Amravati affiliated to Sant Gadge Baba Amravati University, ISBN-81-89002-08-2	2012
	3.	Economic equality amongst the Society.	'Vision-2056, an International Interdisciplinary Conference' organized by Dr. Babasaheb Ambedkar GUTA, Chandrapur, pp. 207-208, ISBN:978-93-84198-56-5	2014
	4.	Role of NGOs in national development	UGC Sponsored National Conference on 'Environmental Management and Sustainable Economic Development', pp. 130-131, ISBN:978-93-5254-253-6	2015
	5.	Dr. Ambedkar's Educational Thoughts.	'Dr. B. R. Ambedkar : An Architect of Modern India' National Conference organized by Dr. Ambedkar College, Chandrapur, pp. 40-42, ISBN:978-93-81289-36-5	2016
	6.	भारतीय शेतकरी आणि भारतीय कृषीविषयक धोरण	'Dr. Ambedkar as National Builder', An International Interdisciplinary Conference organized by Dr. Babasaheb Ambedkar GUTA, Chandrapur, Vol. II, pp. 100-103,	2016

			ISBN:978-81-930336-9-2	
Dr. M. H. Durge (Mathematics)	1.	Theoretical modeling of ultrasonic velocity of aqueous solutions of polydiallyl dimethyl ammonium chloride.	Proceedings of UGC Sponsored National Conference on Synthesis and Characterization of Advanced Materials .ISBN 978-93-81660-32-4	2011
	2.	Quasi Static Thermal Transient Stresses in a Hollow Cylinder with internal heat generation and asymmetric to temperature conditions.	Proceedings of UGC Sponsored National Conference , CRAMA – 2012 , 30 .03.2012, pp. , 81-90 , ISBN – 13/ 978 – 81- 923377-1-5	2012
	3.	Quasi Static Thermal Stresses in Finite Hollow Cylinder with internal heat generation and asymmetric to temperature conditions.	Proceedings of UGC Sponsored National Conference , CRAMA – 2012 , 30 .03.2012, pp. ,08-20 , ISBN – 13/ 978 – 81- 923377-1-5.	2012
	4.	Steady state heat conduction problem in a thick circular plate and its thermal stresses due to Axisymmetric heat supply	Proceedings of UGC Sponsored National Conference on Frontiers of mathematics NCFM – 2013, Pp 58-67, ISBN 978-93-81432-57-0	2013
	5.	Study of transient thermal stresses in finite hollow cylinder with internal heat generation	Proceedings of UGC Sponsored National Conference on Frontiers of mathematics NCFM – 2013, Pp 22-31, ISBN 978-93-81432-57-0	2013
	6.	Quasi static thermal stresses induced by a	Proceedings of UGC Sponsored one day National Conference on Recent trends in mathematics sciences	2013

		circular point heat source in a thin circular plate	NCRTMS-2013 , pp. 17-22, ISBN 9789381432594	
Dr. P. J. Wagh (Botany)	1.	Simplified protocols for exploration of bioinformatics databases.	Proceedings of 'Recent trends in Bioinformatics and Biostatistics', pp. 111-114,, ISBN:978-93-83912-03-2	2015
Dr. D. S. Panchabhai (Chemistry)	1.	Synthesis , characterization of bis b-diketones and their metal complexes.	Paper Published at National Conference IJRBAT, Held at Janta College, Chandrapur, ISSN:2347-517X	2015
Dr. Sau. S. R. Verma (Zoology)	1.	Inculcation of value Education in curriculum: A Review	International Interdisciplinary Conference, pp. 481-484, ISBN: 978-93-84198-56-5	2014
	2.	Inculcation of value education in curriculum: A Review	Proceeding of International Interdisciplinary Conference, pp. 22-23, ISBN: 978-93-84198-56-5	2015

### 3.4.4 Provide details (if any) of

#### ❖ Research awards received by the faculty

- Dr. M. C. Kale, Dr. R. R. Kamdi and Dr. P. J. Wagh have been awarded First Prize in Poster Presentation Competition (Teacher) held at UGC sponsored National Level Seminar on "Recent Trend In Bioinformatics & Biostatistics (NLSRTBB-2015)" organized by the Department of Zoology, Shri Dnyanesh Mahavidyalaya, Nawargaon.
- Dr. Mrs. S. R. Verma was awarded First Prize in International Research Paper Competition – 2016 organized by Gurukul International Multidisciplinary Research Journal (ISSN 2394-8426) Impact Factor 2.254 (Study of present status of solid waste dumping sites and aerobiological study for bioaerosols near and around the landfill sites in Delhi).
- Dr. Mrs. S. R. Verma was awarded Eureka Forbes Young Scientist Award, 2005 for best poster presentation for study on "the ecology and trophic status of an urban lake at Nagpur, Maharashtra state, India". in National Conference on Frontiers in Environmental Sciences & Engineering in India, organized by Bhathiar University in collaboration with Indian Association for Environment Management (IAEM), NEERI at Coimbatore, Tamil Naidu (Sept 15-17)
- Dr. R. R. Kamdi is honoured for the outstanding contribution in Zoology at 1<sup>st</sup>-International Conference on Science, Engineering &

Technology for Academicians, Industries & Society (ICSET-2015) held at Birla Institute of Technology, Offshore Campus-Ras al Khaimah, U. A. E., Dubai during November 21, 22 & 23, 2015.

❖ **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally:**

Faculty	Membership of Reputed Professional Bodies/Agencies etc.
<b>Dr. M.S. Deshpande</b>	Life Member, Ultrasonic Society of India, New Delhi.
	President, Vidarbha University Physics Teachers Association.
	Life Member, INTACH, New Delhi
<b>Dr. M.C. Kale</b>	Fellow Member of International Congress of Chemistry and Environment, Indore, India.
	Life Member, Indian Science Congress Association. Kolkata, India
	Member, Asian Arachnology Society
<b>Dr. A. P. Sawane</b>	Fellow Member of International Congress of Chemistry and Environment, Indore, India.
	Fellow member, Society of Environmental Science. Dumka. India
	Fellow Member, Indian Association of Aquatic Biologist, Hyderabad, India
	Life, Member Indian Science Congress Association. Kolkata, India
	Life member, Asian Journal of Microbiology, Biotechnology and Environmental Science. Aligarh, (U.P.), India.
	<i>Life Member</i> , Indian Association of Teachers in Biological Sciences (IATBS) Mumbai, India.
	Life member, CASTME-Asia, Asian Branch of Commonwealth Association of Science, Technology and Mathematics Educator, Mumbai, India
	Life Member of, 'Indian Science Writers Association'. New Delhi.
	Member, Asian Arachnology Society
<b>Dr. R. R. Kamdi</b>	Life member, National Academy of Biological Sciences (NABS), Chennai.
<b>Dr. Mrs S. R. Verma</b>	Life member, <i>In Research Journal of Chemistry and Environment(FICCI)</i>
	Life member, Vishwashanti Multipurpose Society Nagpur

❖ **Incentives given to faculty for receiving state, national and international recognitions for research contributions:**

Nil, however college gives incentives to the faculty members for the publication/presentation of research papers.



### **3.5 Consultancy**

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

Chandrapur district has Coal, Power and Cement industries; whenever college organizes academic conferences/seminar etc. the institute seeks financial assistance from them.

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

The institution does not have its regular policy of consultancy. However, need based expertise is provided.

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

The college encourages the faculty members for taking up the consultancy services using available facilities in the college.

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

The Institution does not routinely provide any consultancy service. However, as and when situation demands, different departments, as per the requirement of the expertise they have, extended their services. Department of Botany extends its services to Anand Niketan College of Agriculture. However, the institution does not extract any financial output from consultancy services it extends.

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

The institution does not generate any financial output from consultancy services it extends.

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

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

- Every year, NSS unit organizes a camp of 100 students in the surrounding villages for a week. The students actively participate in, cleanliness drive, water conservation, tree-plantation and Swachha Bharat Abhiyan etc. with the help of villagers. Such events offer students an opportunity to acquire attitude for service and training, contributing to good citizenship, service orientation and holistic development.
- Institute organizes various competitions for students to provide opportunities for their overall development.
- To inculcate the importance of National integrity and patriotism in the students, the institution celebrates national festivals as Independence Day, Republic Day, Martyrs Day, Constitution Day, etc.
- The institution celebrates birth and death anniversaries of great leaders to nurture social responsibility, national integrity and qualities of team work in students. On these occasions, the institution organizes Guest lecture/talks of eminent persons.
- Health awareness programmes are organized.
- Green campus clean campus rally, camp on Rainwater Harvesting and Fluorosis awareness, programme on solid waste management (Vermi Compost) are conducted to generate awareness about environmental issues.
- Energy conservation is need of the hour. It is made evident through the dictum practice is better than precept. The practice of switching off all electrical gadgets when not in use is inculcated among the students.
- Sports activities are conducted in the college with the purpose of cultivating ethos of fraternity.
- The training programmes on *apiculture* and *mushroom cultivation* were carried out.

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

- The institution has different committees for various student centric activities. Under the aegis of these committees various co-curricular and extracurricular activities are conducted.
- Teachers encourage students to participate in various activities. The holistic development of students is nurtured through informal discussions, counseling and programmes organized by NSS,

Loksankhya Shikshan and Mahila Adhyayan wa Sewa Kendra, Nature Club, Science Association etc. contributing to good citizenship.

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

The institution gives due considerations to the suggestions given by the stakeholders informally. Regular meetings of Heads of the departments, faculty members, members of the LMC and IQAC help the administration to take decisive and appropriate steps for the overall amelioration of performance and quality of education. Suggestions given by the stakeholders are duly incorporated.

**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 Institution has designated faculty to plan and monitor various extension and outreach programmes.

✚N.S.S. Program Officer	Mrs. K. K. Kale
✚N.S.S. Co-Program Officer	Mr. A.P. Wakulkar
✚N.C.C. Officer, 21 Mah. Bt.	Dr. C. K. Jiwane
✚N.C.C. Officer, 3 Mah. Girls Bt.	Dr. D.S. Panchbhai
✚Mahila Adhyayan wa Sewa Kendra	Dr. Sau. R. H. Lad
✚Medical Consultant	Dr. V. G. Pole
✚Career Guidance and Counselling Centre	Dr. A. A. Mistry
✚Students' Representative Council	Mr. A. B. Dhoke
✚Loksankhya Shikshan	Mrs.M. V. Manohar
✚English Literary Association	Mr. A. N. Barde
✚Marathi Literary Association	Mr. B. B. Awaghade
✚Nature Club	Dr. R. R. Kamdi
✚Science Association	Mr. V. S. Dhabarde
✚Debate Elocution	Mr. A.N. Barde

❖ Budgetary details of Extension activities for last four years

S.N.	Activity	Session				Total
		2012-13	2013-14	2014-15	2015-16	
1.	NSS	93,110	93,457	87,062	1,02,019	3,75,648
2.	Mahila Adhyayan and Sewa Kendra	8,412	2,440	4,608	3,300	18760
3.	Other Extension Activities	41,260	1,17,227	46,290	87713	2,92,490

Total	1,42,782	213124	1,37,960	1,93,032	<b>6,86,898</b>
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- **Community Development:** The NSS volunteers acquaint the people with the importance of literacy, family planning, eradication of superstitions and drug-addiction. People are inspired to go in for watershed management, soak-pit and septic tank construction. Awareness camp is organized by the N.S.S. volunteers regarding AIDS, Loksankhya Shikshan and environment.
- **Social work:** The N.S.S. volunteers clean the village outlets, re-construct the roads, and educate the people against encroachment of the public land and the other property.
- **Health and hygiene awareness:** Lectures of Medical Officers are arranged to create awareness about health and hygiene, environment-friendly activities, air and water pollution, air and water borne diseases.
- **Medical Camp:** Medical check-up is mandatory for all the students. Medical camps are organized for this purpose. The N.S.S. unit organizes diagnostic camp for general and dental diseases. Veterinary camp is also organized for animal health-care.
- **Loksankhya Shikshan and Literacy:** The students are motivated to participate in Adult Education and Literacy Programmes. The N.S.S. volunteers enlighten the people living in the countryside about the benefits of Adult Education and Literacy. Students display posters, arrange symposia, and debate on the said programmes.
- **Blood Donation Camp:** The Institution organizes blood donation camp every year.
- **Environment Awareness:** The N.S.S. volunteers and the college students undertake tree plantation programme in institution premises and in rural areas, and take out 'Vriksh Dindi' to educate the people. The Institution maintains its own nursery, in which local plants of various kinds are grown. The department of Botany is involved in creating awareness among the people about the merits of organic farming with special emphasis on vermiculture. The institution inspires the students, teachers and people at large to deposit the used plastic bags with Anandwan, our parent institution, which maintains an eco-friendly unit that makes it reusable.
- **Mahila Adhyayan wa Sewa Kendra:** The Institution organizes lectures and workshops for women empowerment, health and hygiene. The legal personalities are invited to guide woman fight against domestic violence.
- **Science Forum:** All the district headquarters are the centres of the respective district units of Science Forum. But, on special consideration, the State Government has given the prime place to our institution as the centre of Chandrapur District Unit of Science Forum. The students of 9<sup>th</sup> standards from various schools of the district are educated in the basic science concepts to inculcate scientific attitude in

them. The Unit organizes a seven-day residential camp annually for this purpose.

- Out-reach Programme: Maharogi Sewa Samiti, Anandwan, the parent institution, devoted to human care runs our institution. Looking after the leprosy patients, socially and physically impaired individuals, is the prime concern of the parent body. Taking inspiration from the parent organization, the institution, extends its services through the following programmes:

- ✦ AIDS Awareness
- ✦ Campaign against drugs
- ✦ Survey on school dropout
- ✦ Effect of pre and post liquor prohibition.
- ✦ Eco-friendly Activities
- ✦ Organic farming
- ✦ Importance of Vermi-culture etc.

**Impact:**

The active participation of students in these activities help them to imbibe and inculcate the qualities such as moral values, unity in diversity, volunteers spirit, social responsibilities, leadership qualities, health and environmental awareness, social network development and team work etc.

**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?**

- Our parent institution, Anandwan, is a great source of inspiration for the students and teachers. The students are encouraged to enrol themselves as volunteers of NSS, NCC, Loksankhya Shikshan, Mahila Adhyayan wa Sewa Kendra.
- Women cell organizes various events for the girls to make them aware about their rights. Similarly there is provision of incentive marks for participation of students in NSS, NCC and sports.
- Due recognition is given to students through awards, certificates, medals, cash prizes etc. to encourage participation.
- Career Advancement Scheme is basically meant for the promotion of Faculty members. The involvement of teachers in curricular, co-curricular, extension, research and professional development activities is taken into consideration for API score in their PBAS.

**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?**

- Training programmes on apiculture, mushroom cultivation, Vermicompost are organized.
- Blood Donation camp and the eye camp is the noblest activity conducted by the college every year.
- College gives concession in admission fee, uniforms, books etc. to economically poor and under privileged students.
- Remedial coaching and MPSC/UPSC coaching are given to under privileged (SC/ST/NT/OBC) students.
- The institution, extends its services through the following programmes:
  - ✚ AIDS Awareness
  - ✚ Campaign against drugs
  - ✚ Survey on school dropout
  - ✚ Survey on effect of pre and post liquor prohibition.
  - ✚ Eco-friendly Activities

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

- The students of the institution collected old newspapers from the public and raised Rs. One Lakh for the treatment of poor, girl cancer patient.
- On the occasion of birth anniversary of Bharat Ranta Dr. APJ Abdul Kalam, science faculty students volunteered and visited many schools to create the scientific temperament amongst the school going students in rural area.
- Amount collected by commerce faculty students for their farewell function was used for distributing writing kits to Diwyang students of Anandwan.

**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 college maintains close association with local authorities like Gram Panchayat, and Gram Sabha through NSS and NCC unit for community participations and its development.
- NSS and NCC unit motivate community participation and organize various outreach activities such as sanitation, health, hygiene, literacy, pollution control, blood donation, environment protection and conservation which contribute to community 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 institution has constructive relationship with other institutions of the locality. The major institutions for working on various outreach and extension activities are:

- Traffic Police Department- For traffic awareness.
- Bar council Warora- for creating legal awareness.
- Rotary club Warora-Environment awareness cycle rally.
- Pragati Bahu Uddeshiya Sanstha- Women empowerment.

**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.**

- College bagged 1<sup>st</sup> position in University level folk dance competition held at Wadsa College, Desaignanj on 31<sup>st</sup> January 2014.
- 2<sup>nd</sup> and 3<sup>rd</sup> Position in inter collegiate debate competition on 'Vidharbha need not be a separate state to achieve its all-round development', at Anand Niketan College on 25<sup>th</sup> February 2014.
- 1<sup>st</sup> and 2<sup>nd</sup> position in inter collegiate debate competition, held at Anand Niketan College, dated 30<sup>th</sup> Jan 2015 on 'is it possible to prevent the creation of black money.

**3.7 Collaboration**

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

- The faculty of the institution interacts with various research institutes viz. RTM Nagpur University, Institute of Science, Nagpur and R.R.C.A.T. , Indore from time to time for their research work.
- The institution has collaboration with CHLR of N. S. College, Bhadravati. Janata College Chandrapur, S.P. College, Chandrapur affiliated to Gondwana University, L.T. College, Wani affiliated to SGB Amravati University.
- The college encourages the students to visit various industries, companies & other related disciplines.

**3.7.2 Provide details on the MoU /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.**

- Collaboration with Agarkar Research Institute, Pune has resulted in augmentation of the infrastructure as well research findings from the study conducted helped in publishing the policy document on medicinal plants in Chandrapur District by the Government of Maharashtra.
- Eminent faculty/Scientist from various research institutes/university visited the institute to deliver talk on specialized topics for the faculty members and research students of the institute as well as the university.
- Anand Niketan College, a branch of Marathi Vidhyan Parishad, Mumbai, conducts various activities for the students which focus on a specific scientific theme every year. Few students are sent every year to attend training workshop organized at different places of Maharashtra.

**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.**

- Collaboration with Agarkar Research Institute, Pune has resulted in augmentation of the infrastructure like GPS system, digital camera, Wi-Fi and LAN. Addition of reference books in the library.
- Collaborative project with DAE, Government of India, resulted in procurement of sophisticated instruments like, CarlZeisTrinocular Research Microscope with photography software, Merk Millipore Ultra-pure water purification system, TEMPO BOD incubators and Hamilton Automatic micro syringe injection system.

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

The institution organized **09** National conferences/ seminars during the last four years. The eminent scientists / participants who contributed in the events are:

S. N.	Conference	Department	Date



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1.	One day national conference: <i>Eco criticism: Developing Environmental Consciousness through English Study</i>	English	2.2. 2012
2.	One day national conference: "Wetland Conservation"	Zoology	2.2. 2012
3.	National conference: "Biodiversity conservation for a better biosphere"	Botany	2.2. 2012
4.	One day Workshop on New Syllabus of Zoology Sem-I and Sem-II Gondwana University, Gadchiroli	Zoology	7.7.2012
5.	One day Workshop on New Syllabus of Zoology Sem-I and Sem-II Gondwana University, Gadchiroli	Botany	7.7.2012
6.	Two Days National Seminar on 'Biodiversity, Biology, New biological Trends and its Terminology in Science Writing'.	Zoology	3 <sup>rd</sup> & 4 <sup>th</sup> Oct 2012
7.	Gondwana University Research Festival "Avishkar 2013"	Zoology	30 <sup>th</sup> and 31 <sup>st</sup> Dec. 2013
8.	One day National Conference on Material Science	Physics	6.2.2014
9.	One Day Seminar on "National Mathematics' Day" (Mathematician Dr. Shrinivasan Ramanujan Birth Day Celebration.	Mathematics	14.2.2015

❖ Eminent Scientist/Participant who contributed to the events in National and International Conference etc. organized by the college during the last four years.

S.N	Name of Expert	Organization/Designation	Topic	Year
1	Dr. B.R. Chide	Ramdeobaba Engg. College Nagpur.	Counting Principle	1.1.2012
2	Mr. A.K. Joshi	PCCF (Head of Forest Force) Govt. of Maharashtra.	Biodiversity Conservation-Role of Forest Department	2.2.2012
3	Dr. M. Madhavan	Scientist, Salim Ali Institute of Ornithology, Coimbatore.	Current status of freshwater aquatic biology and wetland conservation	2.2.2012
4	Dr. R.S. Wate	Director, NEERI, Nagpur	Transition of Science into field through engineering R and D	2.2.2012
5	Dr. Amir Dhamani	Dean, Faculty of Science, Gondwana University,	Scope of Syllabus in Zoology for Semester-II Paper I	7.7.2012

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		Gadchiroli.		
6	Dr. Khinchi,	Member, BOS, Zoology, Gondwana University, Gadchiroli.	Scope of Syllabus in Zoology for Semester-II Paper II	7.7.2012
7	Dr. Dilip Sonwane	Member, BOS Gondwana University, Gadchiroli.	Scope of Syllabus in Zoology for Semester-I Paper I	7.7.2012
8	Dr. Pravin Telkhade	Member, BOS Gondwana University, Gadchiroli.	Scope of Syllabus in Zoology for Semester-I Paper II	7.7.2012
9	Dr. Mrs. Bhogaonkar	Ex. Director, V.M.V. Amravati	Diversity of Plants	3.10.2012 to 4.10.2012
10	Dr. D. Mhaske	Principal, Satara	Diversity of Birds	3.10.2012 to 4.10.2012
11	Mr. N. Deshmukh	TIFR, Mumbai	Education Policy	3.10.2012 to 4.10.2012
12	Dr. Mrs. V. Ghate	Agarkar Institute, Pune	Science vocabulary in Marathi	3.10.2012 to 4.10.2012
13	Mr. Sanjay Kohole,	Director, Global Computer, Warora.	Introduction to Computer Handling	7.8.2013 to 14.8.2013
14	Mr. A. Dahake,	Director, AAi Computer, Warora.	Introduction to MS Office	7.8.2013 to 14.8.2013
15	Dr. S.D. Deo	Head, Dept. of Mathematics, N.S. College, Bhadrawati	Differential Equations	21.8.2013
16	Dr. Rajan Jaiswal,	Marathi Dept. Govindrao Warjekar College, Nagbhid, Dist. Chandrapur	Marma Marathiche	24.9.2013
17	Dr. K. Ghodmare	Chairman BOS Physics, RTM Nagpur University,	Raman Effect	24.09.2013

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18	Prof. U. Kaware	Head, Dept. of Sociology, Manoharrao Kamdi College, Nagpur.	Problems of Child Labour	7.10.2013
19	Dr. Toshaniwal, S.	Head, Dept. Of Sociology, R. S. Mundle College Nagpur.	Introduction to Sociology	7.10.2013
20	Dr. G. N. Wankaede	Head, Department of Zoology, SGB, Amravati University	Nano-technology & biological Sciences	22.10.2013
21	Dr. Vijay Ainchwar	Vice-Chancellor, Gondwana University, Gadchiroli	Awishkar	30.12.2013
22	Dr. Amir Dhamani	Dean, Faculty of Science, Gondwana University, Gadchiroli	Awishkar	31.12.2013
23	Dr. Shriram Rokade	In-charge, Awishkar-2013	Awishkar	31.12.2013
24	Dr. Bramhaji Rao	Hyderabad	Quantum Dots and their Medical and Engineering Applications	6.2.2014
25	Dr. D. G. Kuberkar	Deptt. of Physics, Saurashtra University, Rajkot, Gujarat	New functional materials for future memory applications	6.2.2014
26	Dr. M. D. Shirsat	Aurangabad	Chemiresistive and Chem FET sensing platform: Conducting Polymer Functionalized single wall Carbon Nanotubes	6.2.2014
27	Dr. Devraj Singh	Deptt. of Physics, Amity University, New Delhi	Material Characterization by Ultrasonic	6.2.2014
28	Dr. Krishna Sainis	BARC/ Rt. Sr. Scientist	Crop improvement through radiation technology	28.2.2014
29	Dr. Rani Bang	SEARCH, Gadchiroli	Hygiene and Health	21.08.201

Criterion-III: Research, Consultancy and Extension

			issues of Adolescents	4
30	Shri Vivek Wagh	Nagpur.	An introduction to the world of Vector Space and its Application	14.9.2014
31	Prof. M. K Gupta,	Professor, Lokmanya Tilak College Wani.	Why/ How to study Literature	23.9.2014
32	Dr. D. Khanorkar	Marathi Dept. N. H. College, Bramhapuri, Dist. Chandrapur	Zhadipatti bolitil Kavya	30.9.2014
33	Dr. Sanjay Sarwe	Dept. of Mathematics, S.F.S. college, Nagpur	Rectilinear and Quadreture	22.12.2014
34	Prof. M. Mehandale	Dhyansadhana Mahavidhyalay, Thane	Women's Empowerment	22.1.2015
35	Dr. K. Dixit	Vice-Chancellor, Gondwana University, Gadchiroli	Role of University in promoting Mathematics in education system	14.2.2015
36	Dr. Pramod Kale	Former Director, Vikram Sarabhai Space Application Centre, Ahmadabad. President, Community Aid and Sponsorship Programme	Opportunities for Mathematicians in ISRO	14.2.2015
37	Dr. P.M. Dolas	RGSTC	RGSTC-A Platform for Mathematicians	14.2.2015
38	Dr. N. R. Dhattrak	Department of Chemistry, S. F. University of Pune	IR spectroscopy	14.2.2015
39	Mr. B. N. Gajbhiye	DRDO, Hyderabad	Job opportunities in DRDO	14.2.2015
40	Dr. Mrs. Joshi	Ex. Head, Dept. of Botany, Zhun Zhunwala College, Mumbai	Nutritional value of plants.	23.7.15
41	Dr. Dilip Balsekar	Gazetteers Dept. Govt. Of Maharashtra/ Executive Editor and Secretary	Gazetteer: Importance and Relevance	24.8.2015

42	Dr. Deogaonkar	Eminent Researcher, Retd. Lecturer ANC Warora	Gazetteer: Importance and Relevance	24.8.2015
43	Dr. Mrs. Deogaonkar	Eminent Researcher, Nagpur	Gazetteer: Importance and Relevance	24.8.2015
44	Mr. A. Thakur	President, INTACH Chandrapur	Gazetteer: Importance and Relevance	24.8.2015
45	Dr. N. R. Dhattrak	Dept. of Chemistry, S. F. Pune University, Pune	Hukel's rule	4.1.2016
46	Dr. Jogi	Chemistry Department, Janata College, Chandrapur	Future prospects in Chemistry	17.1.2016
47	Dr. V. Dhamgaye	Scientist, RRCAT, DAE, Indore	Synchrotron-Indus Beamline	25.1.2016
48	Dr. R. D. Makde	Scientist, RRCAT, DAE, Indore	Synchrotron: Beamline application in Biological Science	25.1.2016
49	Dr. A. Sagdeo	Scientist, RRCAT, DAE, Indore	Synchrotron: X-ray fluorescence, XRD, EXAFS and XRR	25.1.2016
50	Dr. Mrs. Jog	Dept. of Chemistry, Modern College, Pune	Perpetual Dance of Organic Molecules	17.2.2016
51	Shri S. J. Patil	President Lokmanya Shikshan Sanstha, Warora	Mai Marathi	27.2.2016

**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.**

❖ Curriculum development/enrichment:

The college is affiliated to Gondwana University, Gadchiroli. The curriculum is designed and developed by the University through its Board of Studies (BOS). Some faculty members being Chairman/member of board of studies and subject experts contribute towards curriculum development and enrichment. The institution has organized few workshops on curriculum design and development.

❖ Internship/ On-the-job training:

Nil

❖ **Summer placement:**

Nil

❖ **Faculty exchange and professional development:**

The faculty is encouraged to attend orientation/ refresher / training courses, conferences /seminar/symposium/workshop, etc. for professional development.

❖ **Research:**

- Faculty member's carryout Major/Minor research projects funded by UGC/DAE etc.
- MOU with Agarkar Research Institute, Pune has resulted in augmentation of the infrastructure as well research findings from the study conducted helped in publishing the policy document on medicinal plants in Chandrapur District by the Government of Maharashtra.

❖ **Consultancy:**

Nil

❖ **Extension:**

The NSS and NCC unit of the college carries out various extension/ outreach activities through social linkages with the local experts, social workers and office bearers of gram Panchayat, etc.

❖ **Publication:**

- The informal collaboration results into exploration of new horizons in the field of research in life sciences and Material sciences. The linkage between Central Arachnology Society, Amravati and Department of Zoology resulted in publication of research finding in the peer reviewed journal.
- Faculty members of the college have to their credit **204** research publications in journals, **77** in proceedings, **04** Chapters and **17** books during the last five years.
- The faculty members of the college along with the teachers of other colleges are involved in publication of the books on curriculum for UG students.

❖ **Student Placement:**

19 students got suitable placements from NCC and Sports quota in Armed forces, police services and other Government services. Placement cell organised workshops for student placements.

❖ Twinning programmes:

Nil

❖ Introduction of new courses:

- PG course: Mathematics, Physics, Chemistry, Botany and Zoology.
- UG course: B. Com. (In English medium)
- COP courses: Tissue culture.

❖ *Student exchange:*

Nil

❖ *Any other:*

Nil

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

Nil

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

Some faculty members have been invited as resource persons to deliver lecture in Academic Staff College and other Institutes. Some faculty members worked on the advisory committees and also chaired the technical sessions of National and International conferences/seminars. Some faculty members are members of Editorial boards of the peer reviewed, reputed journals.



**CRITERION IV:  
INFRASTRUCTURE AND  
LEARNING RESOURCES**



## Criterion-IV: Infrastructure and Learning Resources

### 4.1 Physical Facilities

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

- The policy of the institution for creation and enhancement of infrastructure is centered at effective execution of Academic, Co-curricular, Extra-curricular and Research activities.
- For effective teaching and learning, the policy for creation and enhancement of infrastructure is framed in accordance with the growing need of the institution and implemented through LMC.
- The IQAC of the institution co-ordinates with the Principal in planning of creation and enhancement of infrastructure considering the current requirements and those projected in the future plan.
- The funds required for proposed erection of infrastructure are generated through various schemes of UGC, funds generated internally and Management's contribution.

#### 4.1.2 Detail the facilities available for

The institution has excellent physical infrastructure to facilitate and support the teaching-learning activities. The campus is spread over 26.72 acres of land with built up area to the tune of 32,000 sq. ft.

##### ❖ Curricular and co-curricular activities:

###### ➤ Class rooms:

✚ The institution has 14 spacious class rooms equipped with green boards and dais.

✚ Class rooms are provided with audio-visual and ICT facility.

###### ➤ Technology Enabled Learning Spaces:

✚ The institution is well equipped with OHP/ LCD, ICT and Internet facility with Wi-Fi and Lease line connection, Computers, Laptop, digital language laboratory etc.

✚ The library is equipped with ICT, e-books, e-Journals and INFLIBNET etc.

✚ The institution has separate IT laboratory to support and organize workshops/training programmes /online examination.

✚ There is a digital language laboratory for English to enhance the quality of spoken English as well as the communication skill of the stake holders.

###### ➤ Conference Hall/ Seminar Hall :

The institution has one separate auditorium having carpet area of 278.39 sq. mt. with seating capacity of 200 persons. It has well-equipped audio-visual/multimedia to host Conferences,

Guest lectures, Seminars, Workshops and presentations of distinguished personages and erudite scholars.

➤ **Tutorial spaces**

There are 4 tutorial rooms with the capacity of 25 students each.

➤ **Laboratories:**

The institution has well equipped laboratories. The details are as follows:

Departments	Area in Sq. ft.			
	Lab-I	Lab-II	Lab-III	Other
Physics	40x25	30x25	30x15	30x10 Research Lab
Electronics	25x32	--	--	--
Chemistry	40x25	40x25	30x25	18x25 Store room
Botany	30x25	30x25	--	--
Zoology	40x25	32x25	--	25x8 Museum
IT Lab	25x32	--	--	--
Language Lab (English)	19x10	--	--	--

➤ **Museum**

Department of Zoology has a museum, where varieties of preserved animal specimens of all families are available for the study.

The department of Botany also maintains a museum containing specimens of plants, fossils, herbarium, etc.

➤ **Botanical Garden/Research Field:**

The institution has a well-maintained botanical garden and a collection of ethnic medicinal plants.

Wormy-compost pit is constructed in the garden.

A separate horticulture garden with apiculture facility.

A separate research field utilised for improvement of chilli variety in collaboration with DAE, Government of India.

➤ **Specialized Facilities and equipment available for teaching-learning and research:**

The institution has a computer centre, plant tissue culture laboratory, science laboratories, research laboratories, English language laboratory, library with ICT facility, e-books, e-Journals, INFLIBNET and LAN and Wi-Fi facility.

Equipment available with different departments for teaching-learning and research are:

Digital CRO, Microprocessor, Computers, Measuring devices, meters, Multi-frequency Interferometer, Function generators, Oven, Student Microscopes, Research Microscopes, High-speed Micro Centrifuge, UV Spectrophotometer, Visible

Spectrophotometer, Vertical and Horizontal Slab gel electrophoresis, Digital Top pan Balance, Digital Thermostat, Digital Water Analysis Kit, RO Water Purifier, Autoclave, Rotary Microtome, Deep freezer, Laminar Airflow cabinet, BOD Incubator, Digital pH meter, Digital conductometer, Digital Colorimeter, Digital Polarimeter, Digital electronic meters, Distilled water plant, Abe's Refractometer, Electronic magnetic stirrer, Merck-Millipore Ultra-Pure water purifier.

- ✦ Institution has a 50 KVA generator to provide uninterrupted power supply along with two portable generators of 3KVA and three 0.8 KVA invertors, 10 KVA servo stabilizer.

❖ **Extracurricular activities:**

➤ **Sports:**

The following sports facilities are available in the institution.

✦ **Outdoor Games:**

A spacious play ground is available for outdoor games viz. Cricket, Athletics, Football, Volley ball, Kho-kho, Kabbadi, etc., in the institution campus.

✦ **Indoor Games:**

Facilities for the sports like Chess, Table Tennis etc, are provided to students in the institution campus.

✦ **Gymnasium:**

Institution has well-equipped Gymnasium with all the advanced equipment.

➤ **NSS:**

The institution has separate NSS block. The NSS unit has strength of 200 students. This unit conducts various activities of social significance and volunteers in activities like blood donation camp, eye-camp, campus cleaning, Loksankhya Shikshan etc.

➤ **NCC:**

The institution has a separate NCC office. One unit of 21-Maharashtra Battalion with strength of 108 boys and girls and a separate unit of 3-Maharashtra Girls Battalion for 50 girl cadets. NCC inculcates the value of team work, sharing and shouldering of responsibilities.

➤ **Cultural Activities:**

Cultural activities are conducted in the auditorium.

➤ **Public speaking and communication skills development:**

The language laboratory enables the students to acquire communication skills. The tutor from this station (centrally monitored computer) imparts the training to the students to acquire communication skills with proficiency in syntax, grammar, phonetics and pronunciation.

- **Yoga:**

Department of Physical Education creates awareness regarding importance of yoga and celebrates the YOGA-Day on 21<sup>st</sup> June every year.
- **Health and Hygiene:**
  - ✚ Department of Physical Education carries out physical/health check-up for all the students as an integral part of their sport programme.
  - ✚ Institution has requisite first aid facility. The services of a doctor are available on call basis.
  - ✚ The local social organizations carry out various health awareness camps, immunization camps, sickle cell detection camp etc.
  - ✚ R.O. water purifiers are installed at different places in the campus to provide pure drinking water to the students.
- **Anand Niketan College Employee's co-operative credit society**

The services of the co-operative credit society are immensely beneficial to meet financial needs.
- **Anand Niketan College co-operative consumer store**

The institution runs the co-operative store for the students which provide items like practical record books etc.
- **Canteen facility:**

The Parent organization Anandwan has got the canteen facility available for students and staff.

**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 institution came into existence in the year 1964. Since then the Institution has been striving hard to scale new heights in terms of academic and infrastructural growth. In last four years B.Com (English medium) and PG programmes in science have been started. This academic growth is supported by optimum utilization of infrastructure in two shifts. In the last four years separate space is en-marked for research laboratories.

The details of the infrastructural facilities developed/augmented for the laboratories and library facilities and amount spent during the last four years is:

Session	Govt./UGC fund	Parent Society Fund	Total Expenditure
2012-13	-	-	-
2013-14	-	-	-
2014-15	2,54,042/-	-	2,54,042/-
2015-16	-	15,78,668/-	15,78,668/-

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

The institution takes special care of the students with physical disabilities. The institution constructed ramps and special toilets in the campus. Separate seating arrangement for Divyang students is made during University examination.

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

The institution does not have its own hostel facility in the campus; however, there are adequate Government and private hostels for the students in the vicinity of the institution.

➤ **Guest Room**

Well-furnished guest rooms for resource persons/visiting faculty are available in Anandwan (Parent Organization).

**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 group insurance facility is compulsory for staff members.
- The first aid and medical care is available for the staff and students in the campus and in nearby Government hospital in case of emergency.
- Medical reimbursement for staff.
- Health care and medical check-up camps are organized for students.

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

There are various common facilities which are made available by allocating space for different units like IQAC/NAAC room, common staff room, girls’ common room, Grievance redressal unit, Vishakha committee, safe drinking water facility, Wi-Fi and well equipped auditorium.

## 4.2 Library as a Learning Resource

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

Yes. Library Advisory Committee advises the Librarian for smooth and effective functioning of the library. It acts as a liaison between the faculty, students and administration.

➤ The library Advisory Committee:

S.N.	Name	Designation
1	Dr. M.C. Kale	Chairman
2.	Dr. S. N. Sable	Secretary
3	Dr. M.S. Deshpande	Member
4.	Mr. A.B. Dhoke	Member
5.	Dr. C.K. Jiwane	Member
6	Mr. A. N. Barde	Member
7	Miss. U.N. Galkar	Member
8	Mr. S.P. Buran	Member

➤ Significant initiatives implemented by the committee are:

- ✚ Preparation of annual budget for the library.
- ✚ The committee discusses and suggests the activities and prepares the strategy to make the library user friendly. Its services are within the instructional schedule of the institution which encourages the optimal use of library facilities.
- ✚ Enrich the library with books and journals.
- ✚ Provide university question papers, e-journals and references for the students.
- ✚ Separate section for various competitive examinations.
- ✚ Organize book exhibition to bring awareness among stakeholders.

### 4.2.2 Provide details of the following:

#### ❖ Total area of the library (in Sq. Mts.)

S.N.	Description	Remark
1.	Total area of the library (in Sq. Mts.)	402.97 sq.mts.

#### ❖ Total seating capacity

S.N.	Description	Remark
1.	Seating capacity for students	60
2.	Seating capacity for research students	08
3.	Seating capacity for staff	08
4	Computer facility	04

❖ **Working hours (on working days, on holidays, before examination days, during examination days, during vacation).**

S.N.	Description	Working Hours
1	Monday-Friday	8.00 am to 4.00 pm
2	Saturday	8.00 am to 1.00 pm
3	On holidays	-
4	Before examination days	8.00 am to 4.00 pm
5	During examination days	8.00 am to 4.00 pm
6	During vacation	8.00 am to 4.00 pm

❖ **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources).**

S.N.	Description	Layout
1	Individual reading carrels	20 Tables: Seating capacity-80
2	Reading room	90.05 sq.mts.
3	Lounge area for browsing	--
5	IT zone for accessing e-resources	18.33 sq.mts.
6	Librarian cabin	11.84 sq.mts.
7	Stacking area	161.18 sq.mts.
8	Reference section	42.90 sq.mts.
9	Issue counter area	13.42 sq.mts.
10	Poarch	10.30 sq.mts.
11	Washroom	2.54 sq.mts.
12	Lobby	28.02 sq.mts.

**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.**

A meeting of library sub-committee is held at the beginning of the session to discuss and approve the budget of each department. Each department submit the list of books to be purchased to the librarian for the procurement. The books are selected from publishers' catalogues, internet, visit to bookshops and exhibitions.

The amount spent on procuring new books, journals, e- resources etc. during the last four years:

Library holdings	Year 2012-13		Year 2013-14		Year 2014-15		Year 2015-16	
	No.	Total Cost	No.	Total Cost	No.	Total Cost	No.	Total Cost
Text books and Reference Books	477	1,10,423	367	78,086	575	1,87,112	498	1,30,438
Journals/ Periodicals/ Magazine	51	21,030	51	25,718	52	27,462	52	29,000
e-resources N-List	N-LIST	5000	N-LIST	-	N-LIST	5000	N-LIST	5000

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

❖ Details on the ICT and other tools deployed:

S.N.	Descriptions	Remarks
1.	OPAC	OPAC (Open public access catalogue) software is installed data entry is in process.
2.	Electronic Resource Management package fore-journals	N-LIST facility of INFLIBNET for e- journals.
3.	Federated searching tools to search articles in multiple databases	The institution uses free search engines for any research /study / survey purpose.
4.	Library Website	----
5.	In-house/remote access to e-publications	Yes.
6.	Library automation	Library is atomized through LIB-MAN software, Bar-coding.
7.	Total number of computers for public access	03
8.	Total numbers of printers for public access	02
9.	Internet band width/ speed : 2mbps, 10 mbps, 1 (GB)	One Broadband Connections with speed of 2 mbps and Lease line connection with speed 2 mbps.
10.	Institutional Repository	Yes
11.	Content management system for e-learning	-
12.	Participation in Resource sharing networks/consortia (like INFLIBNET)	Yes through INFLIBNET (N-List)



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

S.N.	Descriptions	Remarks
1.	Average number of walk-ins	300 per day
2.	Average number of books issued/returned	100 per day.
3.	Ratio of library books to students enrolled(Students :1808, Books :44081 )	1:24 (Per student 24 books are available)
4.	Average number of books added during last three years	673+801+488=1962 (654/year)
5.	Average number of login to OPAC	-
6.	Average number of login to e-resources	10
7.	Average number of e-resources downloaded/printed	05
8.	Number of information literacy trainings organized	-
9.	Details of "weeding out" of books and other materials.	Old books, magazines and journals are bound every year. Old newspapers are sold out once a year.

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

S.N.	Descriptions	Remarks
1.	Manuscripts	NIL
2.	Reference	Yes
3.	Reprography	Yes
4.	ILL (Inter Library Loan Service)	Yes, on request
5.	Information deployment and notification (Information Deployment and Notification)	Yes, on display rack.
6.	Download	Available in internet zone.
7.	Printing	Yes
8.	Reading list/ Bibliography compilation	Yes
9.	In-house/remote access to e-resources	Yes
10.	User Orientation and awareness	Newly admitted students are orientated About library facility and services.
11.	Assistance in searching Databases	Yes, as per demand.
12.	INFLIBNET/IUC facilities	Yes

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

- Library staff helps the students and teachers for easy access of the books. The environment of library is conducive for the study of students.

- UG and PG students can borrow 02 books at a time for a week. The teachers can borrow maximum 15 books for the academic session at a time.
- Journals, Periodicals, magazines and other reading material are available for teachers and students.
- Open access for teachers, PG students and researchers.
- The catalogues of various publishers are made available for purchasing relevant books.
- The information regarding new text books and reference books is displayed on library notice board.

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

- The Divyang students are given top priority while issuing books
- For Divyang student's personal assistance is provided by the library staff.

**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?)**

Feedback is obtained through personal discussions with library users. The feedback is also obtained from the students through written suggestions in the suggestion box. The feedback is analysed to improve the functioning of 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 (provide actual number with exact configuration of each available system).**

Desktops-64 and laptops-11 with Pentium IV, Core 2 Duo, Dual core, i-III, i-V processors, 3.0 GHz clock frequency, OS- WINDOWS.

- ❖ **Computer-student ratio: 1:21**

**Standalone facility:**

Stand Alone facility is available

- ❖ **LAN facility**

LAN facility is available.

- ❖ **Wi-Fi facility**

Wireless facility is deployed in the campus.

❖ **Licensed software**

The institution has Windows 8, Quick Heal (Total Security)/NPAV Antivirus, LAB-VIEW, MAPLE, Office management system software,

❖ **Number of nodes/ computers with Internet facility**

The computers in all the departments, laboratories and library are connected with BSNL, 2 Mbps lease line and Wi-Fi.

❖ **Any other**

- Separate well-equipped IT Lab with 25 latest PCs.
- Two OHPs/seven LCD projectors/Scanners/Printers are available.
- Campus is under electronic surveillance.

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

- Internet, Wi-Fi facility is available in the institution for faculty and students.
- All the Computers are supported with internet facility.
- The stakeholders have a free access to the institution website.
- INFLIBNET (N-LIST) off campus facility is available for students and teachers.

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

The institution regularly upgrades the IT infrastructure as per the advanced technology.

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

In the annual budget, the institution makes provision for procurement /upgradation / maintenance of computers and their accessories.

The budget allocation during the last four years is as below:

Items	2012-13	2013-14	2014-15	2015-16
Purchase of computers / laptops / UPS /printers/LCD projectors	59,950 2,200	47,950	--	5,500
Repairs/Maintenance	11,000	1,10,370	27,615	73,649

**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?**

- Computer, Lap-Top, Printer, Scanner, OHP/LCD projector and internet facility is made available to all faculty members and the students for effective teaching-learning.
- Faculty members prepare teaching-learning materials using ICT.

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

- The institution encourages the staff to undergo training on the computer-aided teaching and learning. Faculty is encouraged to attend ICT based short term courses and refresher courses organized by UGC- HRDC.
- The institution provides ICT facility to all departments along with e-resourcesthrough INFLIBNET.

**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?**

Presently, the institution does not avail the connectivity of National Knowledge Network but plans to have connectivity in future.

**4.4 Maintenance of Campus Facilities**

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

The budget allocated during the last four years for maintenance and upkeep of the facilities:

Item	Session							
	2012-13		2013-14		2014-15		2015-16	
	Prov.	Exp.	Prov.	Exp.	Prov.	Exp.	Prov.	Exp.
Building	45,000	44,200	45,000	44,200	45,000	44,200	45,000	16,22,868
Furniture	5000	638	10,000	9,151	10,000	22,674	10,000	4,950
Equipment	20,000	20,158	20,000	23,623	10,000	13,250	10,000	10,754
Computers	10,000	11,000	5,000	1,10,370	60,000	27,615	50,000	73,649
Vehicles	-	-	-	-	-	-	-	-
Others	15,000	14,391	15,000	16,332	15,000	35,936	30,000	6,858

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

- A provision is made in financial budget for the maintenance and minor repairs of furniture and equipments. The LMC and management approve and allocate the funds.
- The Electronic equipments/instruments are maintained and repaired through the institution and UGC funds.
- The institution does not have annual maintenance contract (AMC) for maintenance of networking facilities, ACs, water purifier and generator. However, the maintenance is undertaken whenever needed.
- The maintenance and improvement of the campus is undertaken by the management.

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

Calibration and other precision measures for the equipment/instruments are carried out by the experts on call basis.

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

- A two level supply of electricity is provided through silent generator of 50 kVA. UPS/Stabilizer is available for computers and equipment.
- The constant supply of well-water is provided through over head tank. Purified drinking water is available through water filters at prominent places.
- Cleaning of water tanks is carried out frequently.

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

- A separate vehicle parking facility for staff, girls and boys.
- Clean and Green campus is the motto of the institution.
- The infrastructure is made available to other agencies to conduct competitive examinations such as Vidhyan Manch and Olympiad etc.
- Play ground is made available to external agencies for sports and other activities.



**CRITERION V:  
STUDENT SUPPORT AND  
PROGRESSION**

## Criterion- V: Student Support and Progression

### 5.1 Student Support and Progression

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

Yes, the institution publishes an updated prospectus every year.

- Prospectus includes vision, mission, objectives, information about institution, list of staff members, admission procedure and eligibility criterion, fee structure, facilities available, scholarship/free-ship/awards/medals, academic calendar and admission form.
- The prospectus also includes the profile of achievers in academics and sports to inspire students at large who intend to take admission in the institute.
- The prospectus also includes information regarding institution rules and regulations, list of conveners for various activities.
- The institution is fully committed to provide quality education. College also provides a platform to develop the innate capacities of students through various co-curricular and extra-curricular activities as mentioned in the prospectus.
- The institution has also formed its website which is an effective means of communication and dissemination of information.

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

The following scholarships / free ships are disbursed directly by Government agencies in the student account.

S. N.	Scholarships	No. of students getting scholarships			
		2012-13	2013-14	2014-15	2015-16
1.	EBC	75	70	54	65
2.	PTC	01	03	06	06
3.	STC	04	03	06	08
4.	Open merit	-	-	-	03
5.	GOI scholarship for SC/ST/OBC	498	593	845	1142
6..	GOI free ship for BC-- OBC	55	61	57	85
7.	Differently abled (Divyang)	02	05	15	10
8.	Students' aid fund	-	-	-	-
9.	Minority scholarship	-	-	01	08
Total		635	735	984	1323
Amount of Institutional Scholarship		19,77,492	24,35,578	53,02,089	53,61,157

**5.1.3 What percentage of students receives financial assistance from state government, Central government and other National Agencies.**

Year	Total strength of the students	Total Number of students received financial assistance	Percentage
2012-13	832	635	76.32
2013-14	916	735	80.24
2014-15	1123	984	87.62
2015-16	1366	1327	96.36

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

- ❖ **Students from SC/ST, OBC and economically weaker sections:**
  - Reservations in the admission as per Government rules.
  - GOI scholarship/ Free-ship/EBC/STC/PTC/Open merit scholarship/ Scholarship/Students aid fund/Minority scholarship
  - Remedial coaching.
- ❖ **Students with physical disabilities:**
  - Government of India scholarship for diwyang.
  - The provisions of ramps and special toilets are available for diwyang students. Vehicle (tricycle) entry up to classroom.
  - At the time of university examination writer facility is provided.
  - The diwyang students are given special assistance in the library for issue of books.
- ❖ **Overseas students**

There are no overseas students in the institution.
- ❖ **Students to participate in various competitions/National and International:**
  - Institution provides all the logistic support and financial assistance to participate in various competitions.
- ❖ **Medical assistance to students: health centre, health insurance etc.:**
  - Institution is equipped with a first aid kit. Anandwan Hospital and Government hospital is in the close vicinity of the campus.
  - Various guest lectures by experts are arranged to keep students aware of health issues.
  - Diagnostic & Medical Check-up camps for haemoglobin, blood group, sickle cell test are organized.
- ❖ **Organizing coaching classes for competitive exams:**
  - Coaching classes for entry in service (MPSC/UPSC/NET/SET).
  - The library has adequate number of books, learning resources and study material for various competitive examinations.
- ❖ **Skill development (spoken English, computer literacy, etc.):**
  - The institution has English language laboratory and is utilized to improve and enhance communicative skills.



- Short term skill based courses on agro-based industry, TALLY and DTP are organized to develop entrepreneurship in collaboration with MCED.
- Computer literacy programmes are arranged for the students.
- ❖ **Support for “slow learners”:**
  - Slow learners are given due attention and appropriate support through, extra classes, remedial coaching. The students are also provided with study material.
- ❖ **Exposure of students to other institution of higher learning /corporate / business house etc.:**
  - Institution organizes visits to different academic institutions of higher learning and industries to give the exposure to new trends in knowledge domain.

**Details of Educational Tours**

S. N	Year	Department	Duration
1	2011-12	Botany and Zoology	28 <sup>th</sup> Nov, 2011 to 7 <sup>th</sup> Dec, 2011
2	2012-13	Electronics & Physics	13 <sup>th</sup> Dec 2012 to 17 <sup>th</sup> , Dec, 2012
3	2012-13	Botany and Zoology	30 <sup>th</sup> Dec, 2012 to 8 <sup>th</sup> Jan, 2013
4	2012-13	Mathematics	20 <sup>th</sup> Feb, 2013
5	2013-14	Zoology	6 <sup>th</sup> Feb, 2014 to 9 <sup>th</sup> Feb, 2014
6	2013-14	Mathematics	20 <sup>th</sup> March 2014
7	2014-15	Sociology and Economics	12 <sup>th</sup> Oct 2014 to 13 <sup>th</sup> Oct, 2014
8	2014-15	History	09 <sup>th</sup> March 2015 to 11 <sup>th</sup> March 2015
9	2015-16	Botany and Zoology	21 <sup>st</sup> Feb, 2016 to 29 <sup>th</sup> Feb, 2016

❖ **Publication of student magazines**

The institution publishes magazine, "Anand Niketan", every year. Magazine committee invites articles from students, scrutinizes and edits the articles and publishes the magazine. The magazine also includes a report of activities conducted by various departments and committees.

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

Various training programmes and workshops on entrepreneurial skills:

Session	Title	No. of Students
19/11 to 27/11 2010	Workshop on Self Employment and General awareness for Women”. (Bag Making etc.)	40
17/08 to 25/08 2011.	Workshop for Women on Self Employment through Mehndi Art”,	40
02/06 to 01/07 2014	MCED Workshop for self-employment-Agro-based technology	30
25/06 to 26/08 2014	MCED Workshop for self-employment-Tally and DTP	30
10/10 to 11/10 2014	Workshop on Self Employability Skills”	40
21/08 to 14/09 2015	MCED Workshop for self-employment-Agro-based technology	30

22/09 to 12/10 2015	MCED Workshop for self- employment-Agro-based technology	30
26/01 to 27/01 /2016	Two Day Gondwana University Level workshop, "Be the Change".	70

❖ **Impact of these efforts**

- Enhanced possibility of employment in public and private sectors due to soft skills developed during the programmes.
- Attitude towards Self - employment has been instilled in them.
- Entrepreneurial Skill is developed among the students.

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

The college provides all essential amenities to promote participation of students in extra and co-curricular activities including sports for holistic development. The faculty members are given responsibility to conduct the extracurricular and co-curricular activities. The schedule is displayed for the various competitions. The involvement of students in quiz competitions, debate, discussions and cultural activities help them to develop their intrinsic competences.

❖ **Additional academic support, flexibility in examinations**

- Students are allowed to perform practical out of turn.
- Extra guidance and study material is made available to the students.
- Provide flexibility in internal assessment and university practical examinations, provision of incentive marks.

❖ **Special dietary requirements, sports uniform and materials**

- Energy food is provided at the time of regular practice and matches.
- Necessary uniform (T-Shirt, Track suit) and equipments, sports kit and financial support are provided.

❖ **Any other**

Special financial, academic and administrative assistance is provided to all students participating in various events like AVISHKAR, INDRADHANUSH, VUPTA SEMINAR, quiz competition, Students Parliament and Gandhian thoughts etc.

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

Digital language laboratory helps students to improve writing ability & communication skills. Students avail the facility of competitive

examination coaching and learning materials from expert faculties.  
Adequate books and study material available in library.  
List of Students cleared NET/SET since 2012.

S. N.	Name of Student	Exam Qualified	Placement	Subject
1	Mr. Pravin Thamke	SET-2012, JRF- 2013	Maharashtra State Social Welfare Dept.'s School, wani	English
2	Mr. Mohit Sawe	NET- 2012, Dec- 2012	Asst. Prof. Vivekanand College, Bhadravati	English
3	Mr. Manoj Madavi	NET- 2012	Asst. Prof. Anna Saheb Gundewar College, Nagpur	English
4	Mr. Dilip Bawne	NET- 2012	Asst. Prof. Arts & Comm. College, Tukum, Chandrapur	English
5	Mr. Ravi Gajbhiye	NET- 2012	Asst. Prof.	English
6	Mr. Kishor Mahajan	NET- 2012	Assit. Prof. Ambedkar college, Chandrapur	English
7	Mr. Dipak Wakde	NET- 2012	Asitt. Prof., Mumbai	English
8	Mr. Ajay Kite	NET- 2013 SET- 2013	Asst. Prof., L. T. College, Wani	English
9	Mr. Prithviraj Khobragade	SET- 2014	Contributory Lecturer, Paoni	English
10	Mr. Ashish Katore	SET-2015	Asst. Prof. Chintamani College, Ghuggus	English
11	Mr. Nilesh Gorghate	NET-2011	Asst. Prof. M.B Patel College, Sakoli, Dist-Bhandara	Zoology
12	Mr. Devilal Watakhare	NET-2012	Asst. Prof. R.M.G College, Saoli, Dist. Chandrapur	Botany
13	Ms. Swapna Hazare	NET-2012	Asst. Prof., Rajapur, Dist. Ratnagiri	Botany
14	Ms. Sartaj Sheikh	NET-2015 SET-2016	Contributory Lecturer, ANC, Warora	Botany
15	Ms. Snehal Bhandakkar	SET-2016	Contributory Lecturer, ANC, Warora	Botany
16	Mr. Manish Matte	SET-2015	Pursuing Ph.D, RTM University	Physics
17	Miss Bhalme	SET-2016	Contributory Lecturer, ANC, Warora	Physics
18	Miss Kirti Nashikkar	NET-2014	Assistant Professor	Electronics
19	Mr. Pranab Biswas	SET-2014	Research Fellow, Chennai	Physics

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

❖ **Academic counselling**

Necessary guidance is provided to students by the admission committee on a wide range of academic flexibilities in choosing their group depending on their interest and choice. Special Guest Lectures are arranged for career advancement after UG programme.

❖ **Personal counselling**

The teacher-student interaction enables teacher to give attention to students' personal problems.

❖ **Career counselling**

Career counselling is provided to the students by the Career Guidance & Placement Cell.

❖ **Psycho-Social counselling**

Psycho-social counselling is provided by the faculty which helps in the student's resolve in getting educated.

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

Yes, the college has a structured mechanism for career guidance & placement.

The various career guidance programmes have been organized during last four years:

Year/ Date	Lecture Topic	Name of the Guest	Placement
2011-12	To Provide Job opportunity (B.Sc, B.Com, B.A)	Mr. Pravin Alone, area Manager Apex Company	For Campus Interview 30 students were present and two students were selected for final interview
2012-13	To Provide Job opportunity, campus interview techniques and Group discussion (B.Sc, B.Com, B.A)	Organized by "Spandan Microfinance Pvt"	Selected few students for field work
2013-14	To Provide Job opportunity (B.Sc, B.Com, B.A)	Mr. Nitin Bhasme, Mr Umesh Shetiye and Mr. Jitendra Bele, field	--

		Manager Rich Infra Developers Lmt.	
2014-15	A special lecture on to face interview, group discussion and preparation of effective curriculum vitae	Prof. Dr. Rahul Mahure, Datta Meghe Institute of Management Studies, Nagpur	--
2015-16	“CAREER BANAO LIFE BANAO”	Ms. Ankita Khobragade and Mr. Kartik Meshram, AIMS group, Pune	--

**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 a student grievance redressal cell and regular counselling of the students regarding discipline. Suggestion boxes available in front of college office.
- No grievances were reported during last four years.

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

The college has a mechanism for resolving issues regarding sexual harassment. A Women’s Grievance and Redressal Cell has been constituted under “The sexual harassment of women at work place (prevention, prohibition and redressal) Act 2013” which deals with the complaints regarding sexual harassment. The details of the Cell are displayed appropriately. A complaint /suggestion boxes accessible to students. Special awareness programme for girl students regarding Pratisad App developed by Maharashtra Police was organized and girl students were guided to use the App.

**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?**

An anti-ragging committee has been constituted to tackle the incidences within the campus. So far no such incidences occurred.

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

- Free medical check-up by medical officer & First-aid facility is available.

- Fee concession, free uniform, books and guidance are provided to needystudent.
- Earn while learn scheme, free internet facilityis made available.
- Personality Development programmes is organized.
- Coaching for entry in services.
- Gymnasium facility.

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

The institution does not have registered alumni association with Charity Commissioner, however there is informal interaction with alumni.

**5.2 STUDENT PROGRESSION**

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

The approximate data of students progressing to higher education and employment is as under:

Student progression	Percentage			
Year	2012-13	2013-14	2014-15	2015-16
UG to PG	56.85	42.85	57.89	61.01
PG to M.Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-
Employed	-	-	-	-
➤ Campus selection				
➤ Other than campus recruitment				

- The percentages quoted for progression have been derived on the basis of Departmental inputs and general information gathered from the staff. Hence percentages are approximate.
- Percentages refer to averaging over all subjects in a given stream.
- Percentage has been calculated considering number of students at final year of the programme.

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

The programme wise pass percentage, completion rate and comparison with university result for the last four years:

✚ Passing percentage and completion rate of Anand Niketan College and University:

Programme	Passing Percentage				Completion Rate				University Result			
	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16
B.A.	17.24	37.09	94.11	80.90	5.6	13.29	23.60	47.08	37.06	37.27	78.80	65.63
B.Sc.	60.98	83.33	73.24	75	28.08	17.34	37.58	54.03	58.51	62.58	80.08	73.67
B.Com	52.17	32.43	100	96.83	15.78	29.16	54.16	71.76	66.06	77.48	90.48	87.66

✚ Passing Percentage of A.N. College, N.S. College Bhadravati and Lokmanya Mahavidyalaya, Warora.

Programme	Passing Percentage Anand Niketan College				Passing Percentage N.S. College, Bhadravati				Passing Percentage Lokmanya Mahavidyalaya, Warora				Passing percentage University			
	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16
B.A.	17.24	37.09	94.11	80.90	32.86	07.48	4.51	19.58	19.60	33.00	90.00	87.30	37.06	37.27	78.80	65.63
B.Sc.	60.98	83.33	73.24	75	52.94	8.75	39.39	64.50	--	--	--	--	58.51	62.58	80.08	73.67
B.Com	52.17	32.43	100	96.83	--	--	--	--	--	--	--	--	66.06	77.48	90.48	87.66

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

- The college facilitates student progression to higher education by offering P.G. programmes in Chemistry, Physics, Zoology, Botany, Electronics and Mathematics.
- Department of Physics, Chemistry, Botany, Zoology and Electronics have applied for the recognition of centre for Higher Learning and Research Center to University.
- The career guidance and placement cell counsels the students on career options and prepares them for higher studies & campus interviews.
- The coaching classes for entry in services play vital role in student progression.

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

- Extra coaching/Remedial classes for the students, who are at risk of failure and drop out.
- Additional assignment/study material/question papers of previous examination are provided for better preparation in examinations.
- Personnel and professional counselling is the regular feature of the college.

**5.3 Student Participation and Activities**

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

❖ **Sports and Games**

✚ **Indoor:**

Table-tennis, badminton, chess, yoga

✚ **Outdoor:**

Athletics, cricket, football, kabbadi, kho-kho, and volleyball.

✚ **Cultural :**

Dance, mono-acting, one-act play, singing etc.

❖ **Extracurricular activities:**

AIDS awareness, Swaccha Bharat Abhiyan, disaster management, debate, elocution, tree plantation, health awareness activities, nutritional awareness and road safety etc.

❖ **Programme details of participation**

A. Participation in All India Inter University Tournament, Sports Festival (Colour Holder):



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	<b>Name</b>	<b>Class</b>	<b>Games</b>	<b>Place</b>	<b>Date</b>
2012-13	Akash. B. Date	B.A.-I	Kho-Kho	Nagpur	17 Jan To 21 Jan 2013
	Praful.B. Siwarkar	B.A.-I	Kho-Kho	Nagpur	
	Narendra P Darwe	B.Com-I	Kabaddi	Nagpur	
	Pooja D Rokade	B.Sc-I	Volley- ball	Nagpur	
	Apeksha S Sharma	B.Sc-I	Volley- ball	Nagpur	
	Pragati B Kamde	B.Sc-I	Volley- ball	Nagpur	
	Varsha C Chincholkar	B.Sc-I	Volley- ball	Nagpur	
	Narendra B Date	B.A.-I	Athletics	Nagpur	
	Atul S Amade	B.A.-I	Athletics	Nagpur	
	Manisha N Mandawkar	B.A.-I	Athletics	Nagpur	
2013-14	Akash.B.Date	B.A.-II	Kho-Kho	Maharashtra University of Health Sciences Nasik	27 Nov To 01 Dec 2013
	Dhanjay G Sonune	B.A.-II	Kho-Kho		
	Nutan N Awaghade	B.A.-II	Kho-Kho		
	Renuka R Nikure	B.A.-II	Kho-Kho		
	Renuka R Nikure	B.A.II	Kabaddi		
	Narendra B Date	B.A.II	Athletics		
	Nutan N Awaghade	B.A.II	Athletics		
	Anita M Zade	B.A.II	Athletics		
	Rama S Barde	B.A.II	Athletics		
	Karishama J Khayare	B.A.II	Athletics		
Shubhangi B Pijdurkar	B.A.II	Athletics			
2014-15	Roshan B Dhoke	B.Sc I	Volly ball	Rajasthan	27 Nov to 01 Dec 2014
	Divya P Dhoke	B.Sc I	Volly ball	Aurangabad	
	Pooja K Bawariya	B.ComI	Kho-Kho	Aurangabad	
	Rajnandini.S.Bopanwar	B.A.II	Kho-Kho	Aurangabad	
	Ganray P Chaudhari	B.Sc I	Kho-Kho	Aurangabad	
	Sarju k Wadde	B.A.II	Kho-Kho	Aurangabad	
	Amar N Sathhare	B.Sc III	Athletics	Aurangabad	
	Rajnandini.S.Bopanwar	B.A.II	Athletics	Aurangabad	
2015-16	Shrikant Y Lohakare	B.ComI	Kho-Kho	Nanded	27 Nov to 01 Dec 2015
	Shubham A Parchake	B.ComI	Kho-Kho	Nanded	
	Shubham D Wankar	B.ComI	Kho-Kho	Nanded	
	Parmanand S Kirame	B.Sc III	Kho-Kho	Nanded	
	Sushama.a.Chaudhari	B.ComI	Kho-Kho	Nanded	
	Pooja K Bawariya	B.ComII	Kho-Kho	Nanded	
	Rajnandini.s.Bopanwar	B.A.III	Kho-Kho	Nanded	
	Kiran M Kayarkar	B.ScIII	Athletics	Nanded	
	Sushama.a.Chaudhari	B.ComI	Athletics	Nanded	
	Manidarsing A Thakur	B.A.I	Chess	Nanded	
	Divyani P Shonawane	B.ScI	Volly ball	Amaravati	19-23 Jan
Komal I Chandekar	B.ScI	Volly ball	Amaravati		

Criterion- V: Student Support and Progression

					2016
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**B. Participation in State Level Tournament:**

Session	Name	Class	Games	Place	Date
2012-13	---	---	---	---	---
2013-14	Bhushan.k.Surywanshi	B.scII	Kho-Kho	Anad Niketan College Warora	22 Jan To 24 Jan 2014
	Dhanjay.G.Sonwane	B.A.II	Kho-Kho		
	Akash .B.Date	B.A.II	Kho-Kho		
	Sarju.k.Wadde	B.A.I	Kho-Kho		
	Nutan.N.Awaghade	B.A.I	Kho-Kho		
	Rajnandini.S.Bopanwar	B.A.I	Kho-Kho		
	Anita.M.zade	B.A.I	Kho-Kho		
Rama.S. Barde	B.A.I	Kho-Kho	Bhai Neharaji Chashak Ratanagiri	2 March To 5 March	
Rama.S. Barde	B.A I	Kho-Kho			
Nutan.N.Awaghade	B.A I	Kho-Kho			
Rajnandini.S.Bopanwar	B.A I	Kho-Kho			
2014-15	Anita.M. Zade	B.A I	Kho-Kho	Nagpur	14 Nov. To 16 Nov
	Bhushan.k.Surywanshi	B.scIII	Kho-Kho		
	Shubham.A.Parchake	12 <sup>th</sup> Com	Kho-Kho		
	Dhanjay.G. Sonwane	B.A.II	Kho-Kho		
	Rajnandini.s.Bopanwar	B.A.II	Kho-Kho		
2015-16	Pooja.K.Bawariya	B.ComI	Kho-Kho	Buldhana	6 Nov To 8 Nov
	Shubham.A.Parchake	B.ComI	Kho-Kho		
	Shrikant.Y.Lohakare	B.ComI	Kho-Kho		
	Dhanjay.G.Sonwane	B.A.II	Kho-Kho		
	Pooja.K.Bawariya	B.ComII	Kho-Kho		
	Sushama.A.Chaudhari	B.ComI	Kho-Kho		
Pallavi.G.Jambhule	B.A.I	Kho-Kho			

**C. Participation in National Level Tournament:**

Session	Name	Class	Games	Place	Date
2012-13	--	--	--	--	--
2013-14	Bhushan k Suryanwanshi	B.Sc.II	Kho-Kho	Goa	--
	Rama S Barde	B.AII		Goa	--
2014-15	--	--	--	--	--
2015-16	--	--	--	--	--

**D. Individual / Team Performance in Sports at University Level:**

Session	Games	Section	Tournament	Position
2012-13	Kho-kho	Men	Inter Collegiate Chandrapur	1 <sup>st</sup>
	Kho-kho	Women	Inter Collegiate Chandrapur	3 <sup>rd</sup>

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	Voll-ball	Men	Inter Chandrapur	Collegiate		
	Voll-ball	Women	Inter Chandrapur	Collegiate, Warora	2 <sup>nd</sup>	
	Kabaddi	Men	Inter Chandrapur	Collegiate		
	Athletic	Men	Inter Chandrapur	Collegiate	Championship	
	Athletic	Women	Inter Chandrapur	Collegiate	Championship	
	Athletic	Men	Inter Chandrapur	Collegiate		
	4*400m relay	Men	Inter Chandrapur	Collegiate	1 <sup>st</sup>	
	4*100m relay	Men	Inter Chandrapur	Collegiate	2 <sup>nd</sup>	
	4*400m relay	Women	Inter Chandrapur	Collegiate	1 <sup>st</sup>	
	4*400mRelly	Women	Inter Chandrapur	Collegiate	1 <sup>st</sup>	
	Individual Performance in University Level Tournament					
	100m.Running	Bhushan .K.Suryawanshi			2 <sup>nd</sup> position	
	200m.Running	Bhushan .K.Suryawanshi			1 <sup>st</sup> position	
	Shot put	Kuldeep .S. Nimkar			1 <sup>st</sup> position	
	Disc throw	Kuldeep .S. Nimkar			2 <sup>nd</sup> position	
	Jawalin throw	Kuldeep .S. Nimkar			2 <sup>nd</sup> position	
	800.m	Manisha.N.madawarkar			1 <sup>st</sup> position	
	100.m	RinaM.Dighore			1 <sup>st</sup> position	
	2013-14	Kho-kho	Men	Inter Bhadrawati	Collegiate	1 <sup>st</sup>
		Kho-kho	Women	Inter Bhadrawati	Collegiate	2 <sup>nd</sup>
Kabaddi		Men	Inter Chandrapur	Collegiate Vhyhad		
Volley-Ball		Men	Inter Chandrapur	Collegiate Visapur		
Volley-Ball		Women	Inter Chandrapur	Collegiate Visapur		
4*400m.Relly		Women	Inter Chandrapur	Collegiate	1 <sup>st</sup>	
4*400m.Relly		Women	Inter Chandrapur	Collegiate	1 <sup>st</sup>	
Athletic		Women	Inter Chandrapur	Collegiate	Championship	
Athletic		Men	Inter Chandrapur	Collegiate	Championship	
Individual Performance in University Level Tournament						
High-jump		Rama.S.Barde			1 <sup>st</sup>	
High-jump		Anita .M.Zade			2 <sup>nd</sup>	
100m.Running	Bhushan .K.Suryawanshi			2 <sup>nd</sup>		

Criterion- V: Student Support and Progression

	200m .Running		Bhushan .K.Suryawanshi	2 <sup>nd</sup>	
	Shot-put		Kuldeep .S. Nimkar	1 <sup>st</sup>	
	Disc throw		Kuldeep .S. Nimkar	3 <sup>rd</sup>	
	Jawalin throw		Kuldeep .S. Nimkar	2 <sup>nd</sup> position	
2014-15	Volley-ball	Men	Inter Bhadrawati Collegiate		
	Volley-ball	Women	Inter Chandrapur Collegiate		
	Kabaddi	Men	Inter Navargaon Collegiate		
	Kho-Kho	Men	Inter Collegiate, Visapur	2 <sup>nd</sup>	
	Kho-Kho	Women	Inter Bhadrawati Collegiate	2 <sup>nd</sup>	
	Athletic	Men	Inter Collegiate, Visapur		
	Athletic	Women	Inter Collegiate, Visapur		
	4*400m.Relly	Men	Inter Chandrapur Collegiate	3 <sup>rd</sup>	
	Individual Performance in University Level Tournament				
		200m.Running		Sanju.P. Wadde	2 <sup>nd</sup>
		Long-Jump		Sanju.P. Wadde	2 <sup>nd</sup>
		Jaklin Throw		Sanju.P. Wadde	3 <sup>rd</sup>
2015-16	Kabaddi	Women	Inter Chandrapur Collegiate		
	Kabaddi	Men	Inter Bhadrawati Collegiate		
	Kho-Kho	Men	Inter Gondpipari Collegiate	1 <sup>st</sup>	
	Kho-Kho	Women	Inter Collegiate, Warora	3 <sup>rd</sup>	
	Chess	Men	Inter Chandrapur Collegiate		
	Volley-Ball	Men	Inter Bhadrawati Collegiate		
	Volley-Ball	Women	Inter Collegiate Sawali		
	Cross-Country	Men	Inter Collegiate Gadchiroli		
	Cross-Country	Men	Inter Collegiate Gadchiroli		
	Athletic	Men	Inter Collegiate, Visapur		
	Athletic	Women	Inter Collegiate, Visapur		
	4*400m.Relly	Men	Inter Collegiate, Visapur	3 <sup>rd</sup>	
	4*400m.Relly	Women	Inter Collegiate, Visapur	2 <sup>nd</sup>	
	4*100m.Relly	Women	Inter Collegiate, Visapur	2 <sup>nd</sup>	
	4*100m,Relly	Men	Inter Collegiate, Visapur		
Individual Performance in University Level Tournament					
	800m. running		Kiran.M.Kayarkar	1 <sup>st</sup>	
	200m.Running		Shushama. A. Chaudhari	2 <sup>nd</sup>	
	Shot-Put		Shital. B. Dohatare	3 <sup>rd</sup>	

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

❖ **Co-curricular, extracurricular and cultural activities**

Sr. No.	Name of Activities/Events	Date	Level	Organisation	Rank
1	Participation in Folk Dance Competition	31 <sup>st</sup> Jan, 2014	Gondwana University, Gadchiroli	Wadsa College Desaiganj	First
2	Debate Competition, Vidharbha need not be a separate to achieve its all-round development	25 <sup>th</sup> Feb, 2014	Inter-Collegiate	Anand Niketan College	2 <sup>nd</sup> and 3 <sup>rd</sup> Position
3	Debate Competition, is it possible to prevent the creation of black money	30 <sup>th</sup> Jan, 2015	Inter-Collegiate	Anand Niketan College	1 <sup>st</sup> and 2 <sup>nd</sup> position

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

- The college collects the feedback from the students as a continuous measure of self-improvement.
- The opinion of our graduates given due consideration to ensure the growth and development of the institution.
- College uses the suggestions to improve upon facilities and overall performance of the institution through regular interaction with employer in LMC meetings.

**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 publishes an annual magazine covering contribution of articles in three languages English, Marathi and Hindi, which serves as a medium for developing the literary and imaginative potential of the students.

- An important message through “Thought for the Day” is displayed daily.
- Students under the guidance of teachers prepare posters on different themes of national and social importance.

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

A Student Council is constituted as per the directives of Gondwana University, Gadchiroli vide section 40 (2) (b) of Maharashtra University Act, 1994.

The constitution of Student Council is as follows:-

- ✦ Hon’ble Principal – Chairman
- ✦ One senior teacher nominated by the Principal
- ✦ Teacher in-charge of National Cadet Corps.
- ✦ National Service Scheme Programme Officer
- ✦ One student from each class – Academic Merit
- ✦ Director of sports & Physical Education
- ✦ One student from: -
  - ✓ Sports
  - ✓ National Service Scheme & Adult Education
  - ✓ National Cadet Corps.
  - ✓ Cultural Activities
  - ✓ Two girl students

Students’ Council organizes various curricular and co-curricular activities in coordination with the staff members viz. Felicitation of Meritorious students, Yuva Mahotsava, Teachers’ Day, National Days, Sports and Games etc.

**Activities of student council:**

Year / Date	Topic	Name of the Guest
6 <sup>th</sup> Dec 2011	Dr. Baba Saheb Ambedkar’s Mahaparinirvan Din	Prof. Ranjit Meshram, Nagpur
6 <sup>th</sup> Dec 2012	Dr. Baba Saheb Ambedkar’s Mahaparinirvan Din	Dr. Promod Narayane, Wardha
10 <sup>th</sup> Sept 15	Mangalyaan	Dr. Milind Deshpande, Warora.
15 <sup>th</sup> Sept 2015	Participation of 300 students for General Knowledge Aptitude Test organized by Eklavya Dhyan Prabhodani	Prof. Arvind Dhoke
26 <sup>th</sup> Nov, 2015	On occasion of Samvidhan Din	Prof. Arvind Dhoke
6 <sup>th</sup> Dec 2015	Dr. Baba Saheb Ambedkar’s Mahaparinirvan Din	Prof. Siddhartha Butle, Wardha

Institution provides financial support for organization of events.

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

Students' representation on various academic and administrative bodies to create a link between administration and students:

❖ **Administrative Committees**

- ✚ Student Council
- ✚ Grievance Redressal
- ✚ Vishaka Committee (Women's grievance redressal cell)

❖ **Academic Committees**

- ✚ Science Association
- ✚ Nature Club
- ✚ Botanical Garden
- ✚ Sports and Games
- ✚ Magazine and Library.

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

- Though there is no registered alumni association, the institution has informal rapport with the alumni and seeks the suggestions to further development of the institution.
- The Ex-faculty members are given due recognition & honour by inviting them on various occasions viz. felicitation of meritorious Students, superannuation of teachers, birth & death anniversaries.
- The Ex-faculty members are invited to deliver guest lectures on the topic of their interest.

**Any other relevant information regarding Student Support and Progression which the college would like to include.**

- University rank holders/Prizes/Awards winners are felicitated in "Felicitation of Meritorious Students" program.
- Some award and prizes are instituted by the staff members.
- A Tribute is paid to Dr. A.P.J. Kalam, by undertaking activities for rural students to inculcate scientific values and make them understand science in a simple way. As a part of this activity some students visited schools in different villages.
- The students are given full support and guidance due to which many students have joined police force, military force paramilitary force etc over the last few years.
- For various PG entrance examinations students are given full support and guidance due to which many students have pursued higher education in the institution of national repute.
- The central library of the institution has rich collection of books for competitive examination to support the students (internal as well as external) for examinations like MPSC, UPSC etc.



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



## **Criterion-VI: Governance, Leadership and Management**

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

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

❖ **Vision**

The institution is established by great visionary Shradheya Baba Amte with the vision to uplift educationally, economically and socially underprivileged people through special focus on education and skill development- "A commitment to guide our students to achieve excellence through holistic education." This will lead them to live a dignified personal and social life. This is to be achieved through sustained efforts and initiatives.

❖ **Mission**

Our Mission is to inculcate independent thinking in individuals who will have a voice in society and become messengers of change. Through our value education and social outreach programmes, we foster a concern to elevate the standard of poor and oppressed. The aim of holistic education is to prepare our students to meet the challenges of life besides attaining academic excellence. Mission statements can be summarized as follows:

- To provide the facility of higher education to the students coming from inaccessibly remote, rural and backward areas. To expose the students, from the rural and tribal areas to the rational and scientific attitudes, in addition to the formal courses pertaining to the Arts, Commerce and Science streams.
- To provide the platform to the students for all-round development of their intellectual, physical, aesthetic and social potentials.
- To encourage attitudes of integrity, hard work, honesty, fairness and tolerance in students so that they give their best to the society based on human values.
- To inculcate passion for excellence through information and communication technology, industrial exposures and scientific projects.

❖ **The distinctive characteristics of the college reflecting the vision and mission statement:**

- Highly qualified and dedicated faculty imparts and inculcates the cultural and social values among the stakeholders.

- Adequate and well-maintained infrastructure, well-equipped Laboratories.
- ICT facilities in teaching learning and administrative process.
- Multiple combinations in UG programmes.
- P.G. programmes in Chemistry, Physics, Mathematics, Botany and Zoology.
- The institution has applied for recognition for Centre of Higher Learning and Research in the subject Physics, Chemistry, Electronics, Botany and Zoology.
- Holistic development through sports, NCC, NSS and extra-curricular activities.
- The institution organizes programmes of birth and death anniversaries of social reformers.
- The students are encouraged to participate in various activities, such as, seminars, quiz on science, current affairs and essay competition, elocution competition and debate et al. Furthermore, the topics selected for these programmes make the students ponder over the problems of the rural inhabitants. Naturally, the pains taken up are not made in futility, but inculcate the sense of fraternity and nationality in the young minds.

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

##### **❖ Role of Top Management**

The policy of Management is to impart the quality education to all. The Management provides all the necessary financial support to upgrade the infrastructure of the institution. Management encourage the Principal and faculty for quality improvement in the field of education. The Local Management Committee reviews policy, plans and action taken by the institution.

##### **❖ Role of Principal**

The Principal is an executive and academic head of the institution. The Principal, IQAC Coordinator, Heads of the Department and convenor of various committees prepare the plan for different curricular and co-curricular activities. The Principal monitors the admission process and working of different committees for the smooth and efficient implementation.

##### **❖ Role of Faculty**

Faculty members are involved in designing and implementation of academic plans. They counsel the students about course selection, professional skill and discipline. Co-curricular and extra-curricular activities are planned for the overall development of the students. The faculty members are nominated on various academic committees for smooth functioning.

### 6.1.3 What is the involvement of the leadership in ensuring?

- ❖ **The policy statements and action plans for fulfilment of the stated mission:**
  - Leadership of the institution, at all levels, monitors the planning process so that it can ensure fulfilment of stated mission through the action plans. Full autonomy is provided to all the functionaries.
  - The Management through its LMC involves in policy decision, the formulation and implementation of action plan and reviews the overall progress of institution.
  - The Principal bears the responsibility for the smooth functioning of the institution.
- ❖ **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan:**
  - IQAC is primarily responsible for formulation of action plans and Principal ensures in corporation and execution of the same into the institutional strategic plan.
  - The Principal decides the quality plans and policies in consultation with the IQAC and departmental heads.
- ❖ **Interaction with stakeholders:**

Members of Management, Principal, IQAC members, faculty and administrative staff hold the responsibility of interaction with stakeholders.
- ❖ **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders:**
  - IQAC in coordination with the Principal ensures proper support in terms of funds, resources and infrastructure. The LMC and Management members are the approving authorities in this regard. Inputs are derived from academic peers, students, alumni and parents.
- ❖ **Reinforcing the culture of excellence:**
  - Dynamic leadership of the Principal and concerted efforts are ushered into steering committee in terms of introducing innovative ideas.
  - Consistent efforts to bring in excellence in consultation with stakeholders.
  - Proper orientation of stakeholders in various activities from time to time.
  - Freedom at work place. These are some of the measures in ensuring reinforcement of culture of excellence.
- ❖ **Champion organizational change:**
  - Accepting the IQAC role as a coordinating and facilitator agency.
  - Sincere interaction between Management and Principal.
  - Restructuring and reorganizing the agenda of curricular, co-curricular, extracurricular and academic committees every year.
  - Efforts in enhancing working efficiency of office and technical staff.

- Computerization of the office, library and departments.
- Optimum utilization of infrastructure.
- Seeking inputs from the alumni and parents.

**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 institution undertakes various means and procedures to monitor and evaluate policies and plans for their effective implementation and improvement. The policies and plans are discussed at various levels.

- Local Management Committee meeting.
- Departmental meeting
- Departmental Heads meeting
- IQAC meeting
- Research Committee meeting
- Informal interaction with the stakeholders, Alumni and Parents.
- The outcome of monitoring and evaluation of activities is utilized for further development.

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

- The Apex body/Management of college provides operational liberty to the Principal. The Principal plays a vital role in ensuring communication among the various components of the institution.
- For administrative decentralization and effective control over the teaching-learning process, senior teacher from each faculty is given the responsibility to look after the day to day activities.
- All HODs and the faculty members have liberty for incorporating teaching methodologies and innovative practices to ensure the quality education.
- The institution encourages the faculty to organize conferences/workshops/seminars and to attend orientation and refresher courses to update themselves. It also encourages the faculty to publish their research papers in National and International events.
- Faculty members are encouraged to represent themselves in various academic bodies in Universities and other organizations.
- Members from the teaching staff on Local Management Committee are elected as per the Maharashtra University Act.

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

- The Management of the institution is liberal and democratic in character. Faculty members are the convenors of various committees to co-ordinate and monitor various activities of the institution.
- Total functional freedom is given to the convenors of all committees to manifest out the leadership qualities among the faculty members. Students are groomed for leadership through students' council, NSS, NCC, various associations and guest lectures.
- Students prove their leadership qualities by taking active participation in conduction of various functions and events.
- Students are felicitated for their spectacular success and remarkable achievements on the occasion of Annual Prize Distribution function.

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

- The institution provides complete autonomy to Head of the department to plan and execute the various activities of the department. All the departments have annual budgetary provision.
- All the departments have full autonomy to plan and execute their various academic and other related activities.
- Each department has full-fledged liberty for the fund utilization.
- Functional and operational autonomy is given to the various committees that look into the academic, co-curricular and extra-curricular activities.

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

- The college promotes a culture of participative management. Local Management Committee (LMC) is constituted as per the Maharashtra University Act. Three teachers and one non-teaching staff members represent LMC.
- The faculty members are involved in the decision making process during the departmental meetings and the IQAC. The convenors of various committees also involve the faculty members and other stake holders in the deliberations. The important suggestions taken are conveyed by Principal through staff meetings.

## **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 is framed according to vision, mission and objectives of the institution. The Local Management Committee, IQAC, the Principal, HODs and various committees meet for planning and effective implementation.
- The decided policies are reviewed periodically by the Principal and IQAC.

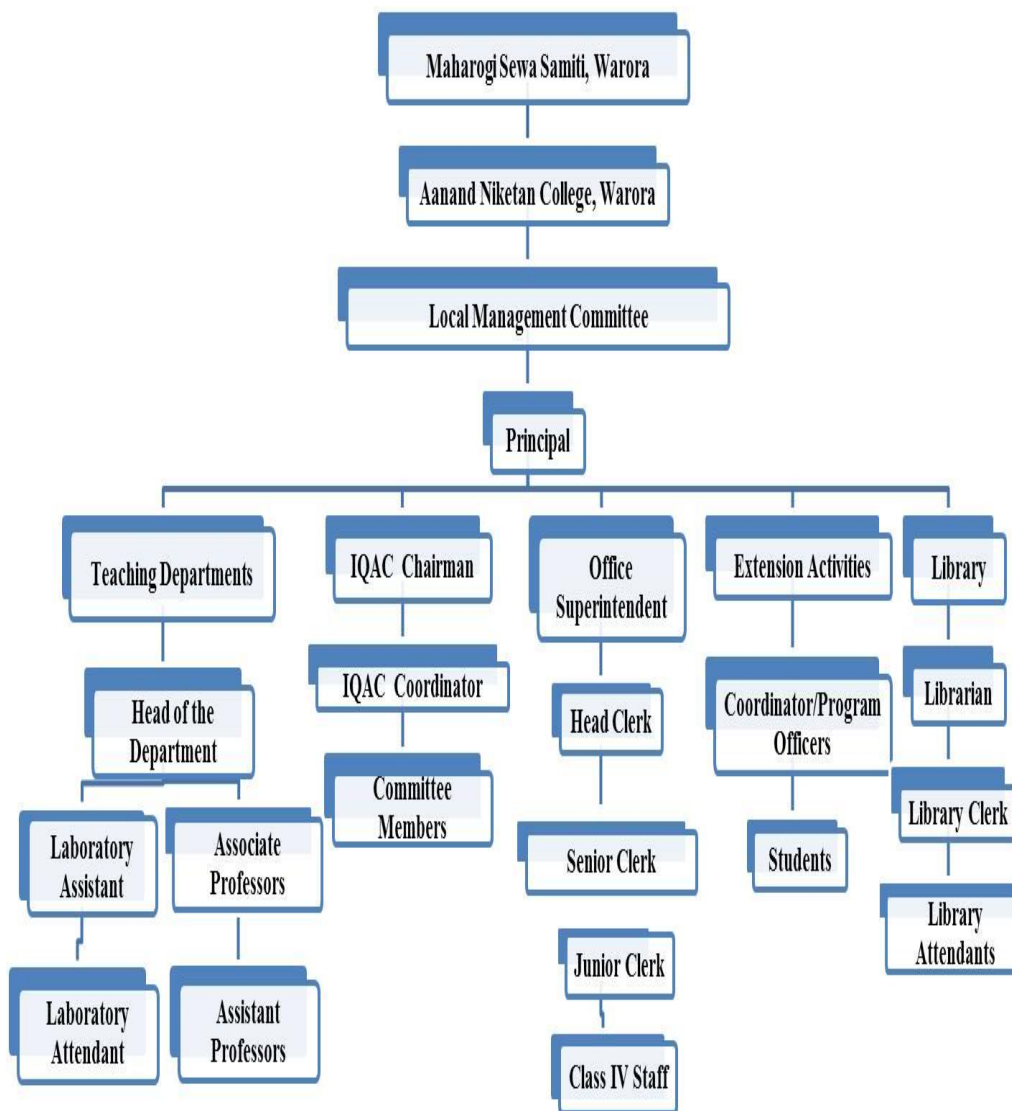
### **6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

- The IQAC formulates quality policy for the institution.
- To implement new programmes as per the need of stakeholders.
- To develop infrastructure and technological facilities as per requirement.
- To promote extensive use of ICT in teaching-learning and evaluation.
- To establish the linkages with research institutes.
- To introduce entry in service coaching for SC/ST/NT etc. students.
- To upgrade research laboratories for enhancing research work.
- To seek recognition for PG and Research Centre for the subjects Physics, Electronics, Chemistry, Zoology, Botany and Mathematics.
- To seek permission for PG in Arts and Commerce subjects.
- To promote participation in sports and cultural activities at the State and National level.

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

Maharogi Sewa Samiti is the apex body under which the college runs. Samiti interacts regularly with the Principal in the academic and administrative matters of the institution.

**Internal organizational structure:**



❖ **Decision Making Process:**

- The College Governing Body is the highest authority that decides and guides regarding mission and objectives of the institution.
- Accordingly the policies regarding the quality enhancement, the financial support and its implementation are decided by LMC.
- The Principal is empowered to take decision on financial, academic and administrative matters.
- The Principal along with IQAC, HODs, Librarian and convenors of various committees plans and monitors all the academic activities.
- The office administration ensures due care of all the administrative matters pertaining to the faculty and students.
- Extracurricular activities are planned in consultation with students.

**6.2.4 Give a broad description of the quality improvement strategies of the Institution for each of the following:**

❖ **Teaching and Learning:**

- In the beginning of the session, departmental meetings with respective faculty members are held to discuss the measures for improvement of results. Teaching plan for effective implementation of curriculum is also framed and finalized.
- Provision of internet, e-resources, library enrichment and ICT facility are some of the quality improvement strategies.
- Throughout the session, student's evaluation is carried out by conducting unit test, home assignments etc., for effective internal assessment.
- Remedial coaching, extra classes for slow learners and uses of interactive teaching-learning methods are implemented.
- Guest lectures of eminent faculties from other institutes are arranged.
- The faculties are encouraged towards improvement of professional competence through research and participation in conferences/ seminars/ workshops.

❖ **Research & Development:**

- The institution has applied for Centre for Higher Learning and Research (CHLR) in the subjects Physics, Electronics, Chemistry, Zoology and Botany.
- The Principal and Research Committee take initiatives to encourage the faculty in taking up research projects, publish research articles, present papers in conferences and workshops etc.
- There are nine supervisors for guiding M. Phil and Ph. D. students.
- The Principal encourages the faculty members to submit proposals for major/ minor research projects and also motivates by providing duty Leave, FIP facility and financial incentive for paper publications.

❖ **Community engagement:**

- NCC, NSS students are engaged in different community activities viz. Blood donation Camp, NSS Camp, Natural Disaster Management, awareness about several social issues like National Integrity, Literary Mission, Environmental Pollution, Biodiversity Conservation, Eradication of superstition and female foeticide.



- Students conducted surveys on alcohol addiction and school dropout in their respective villages.
- Faculty members deliver motivational speeches in community gathering on different occasions.

❖ **Human resource management:**

- Human resource management is the fundamental commitment for the academic development of the institution.
- The recruitment of teaching and non-teaching staff is strictly implemented as per the rules, regulations and reservation policies laid down by the State Government and University.
- The time-bound promotions are given to faculty on the basis of PBAS, API and on confidential report to non-teaching staff members.
- The various programmes are organized to train and create skilled human resource.
- Faculty members are encouraged to attend various training programmes.

❖ **Industry interaction:**

The students are taken for industrial visits from time to time.

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

- The Principal ensures that the adequate information is communicated to the top management through regular interaction.
- The administrative and academic issues are placed before the LMC for discussions, suggestions and approval.
- The convenors of academic and administrative committees prepare and submit the report of their activities to IQAC.
- A feedback is collected from stakeholders and through suggestion box placed in the premise.

**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 members of Management have maintained cordial relations with the staff through informal interactions. The Management gives valuable suggestions regarding different issues for improvising overall quality of effective teaching-learning process and efficiency of institutional processes.

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

The following resolutions are passed in LMC on 10th October 2016.

S.N.	Resolutions	Status of implementation
1.	Annual audit report of the college for the year 2015-16	Approved
2.	Budgetary provision for the year 2016-17	Approved
3.	Decision regarding superannuation /placement and promotions of the employees	Approved
4.	Decision regarding appointment of teaching and non-teaching vacant post	Approved
5.	Decision to commence new PG programmes in Arts and Commerce streams	Approved
6.	Decision to implement student centric best practices	Approved

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

Yes, at present, institution does not have any planning for 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 Principal resolves the issues of staff, students and parents which require immediate attention.
- The institution has Grievance Redressal Cell for the stakeholders.
- The grievances are attended promptly by the cell.
- The Vishakha Committee is constituted under “Sexualharassment of women at workplace and its prevention -Act 2013”.
- As per UGC guidelines, an anti-ragging committee is constituted for the prevention of ragging.

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

No. In the last four years, no single case is filed by and against the institution.

**6.2.11 Does the Institution has a mechanism for analysing student feedback on institutional performance? If “yes” what was the outcome and response of the institution to such an effort?**

- The institution seeks feedback from the stakeholders. Principal and the faculty interact with students informally from time to time and incorporate the suggestions.
- The suggestion box is placed in front of the office. Suggestions received from the stakeholder are responded by the Principal and faculty members.

### **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 institution encourages its faculty to register for Ph. D. Programme.
- The institution encourages its faculty to attend conferences/seminars and workshops.
- The institution also encourages the faculty to participate in refresher, short term courses and orientation courses.
- There has been a particular focus on faculty taking up research projects; the institution extends all necessary information, help and facilities.
- The institution encourages and permits the non-teaching staff, in particular, to acquire higher educational qualifications.
- Non-teaching staff members are deputed to attend training programme on e-scholarship and online administration.
- The institution organizes training programmes on the computer awareness for teaching and non-teaching staff.

#### **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 Principal and NAAC coordinator participated in Principals' Meet on 'Quality Assurance in Higher Education: RUSA and AAA Perspective' on 29th March 2014 organized by Academic Staff College, Nagpur.
- The Principal and NAAC coordinator participated in NAAC sponsored two days National seminar on 'The Need for College Academic Administrative Audit' on 19-20, Feb, 2016 organized by, Yeshwant Mahavidyalaya, Wardha.
- The faculty members are encouraged to publish books, research articles etc.
- The institution also encourages faculty members to attend various training programmes organized by other institutes/agencies.
- Also, it is strategic for the institution to organize workshops/ personality development programmes to help them identify and set focus on their roles and responsibilities.

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

- The Annual Self-Assessment for the Performance Based Appraisal System(PBAS) format approved by University covers all information on multiple activities like teaching evaluation, improvement in qualification, the information about organization and participation in seminars, workshops and conferences, co-curricular and extension activities field based activities, corporate life participation, research, publications, etc.

- Each faculty member has to submit PBAS proforma at the end of each academic session.

**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 IQAC evaluates the Annual Self-Assessment (PBAS) proforma submitted by the faculty. The IQAC and LMC take appropriate resolutions that are informed for implementation to the faculty and stakeholders.
- The score sheet for Academic Performance Indicator (API) based on PBAS is considered for promotion under CAS.

**6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

- The institution has employee's credit co-operative society which offers loan for various purposes at minimum interest rate.
- Group Life Insurance Scheme and/or GPF/CPF scheme is available for all staff members.
- Provision of Medical reimbursement/ Maternity leave for staff members as per State Government rules.
- Leave Travel Concession Scheme as per State Government norms.
- Advance is given to the employees for medical emergency.
- Festival advance is given to the non-teaching staff.

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

The institution provides conducive-working atmosphere and decent work culture. The institution offers full working autonomy.

**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 institution gets financial support from different agencies and makes budgetary provision under different heads and the budget is approved by Local Management Committee (LMC).
- The transaction in accordance with the budgetary provisions is carried out by way of quotations, comparative statements and approval of Principal/purchase committee.
- There is an internal audit mechanism to monitor effective and efficient use of available financial resources. The utilization of the budget is regularly monitored.
- The separate cash book and ledgers are maintained under different heads. Every transaction is supported by vouchers and cashbook. All the collections are deposited in the banks regularly.
- Monthly reconciliation of Bank Account.

**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 institution has internal and external audit mechanism.
- The internal audit is carried out by the parent society and also by the chartered accountant appointed by the management.
- The external audit is carried out by Senior Auditor and Accountant General of Maharashtra State. Assessment of disbursement of salary and non-salary grant is carried out by Joint Director Higher Education,Nagpur Division.
- Last external audit was done during the 2015-16 and there were no major objections to 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.**

The major sources of institutional receipts/funding are

- Fee collection from students
- Grants from State Government
- UGC Development Grant
- UGC/DAE/RGSTCresearch project grants

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

Nil.

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

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

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

Yes,the institution has established IQAC in 2014. Quality enhancement and sustenance has become integral part of institutional system for conscious, consistent and catalytic involvement in the quality for channelizing all efforts and measures of the institution to achieve academic excellence. It promotes quality culture in consonance with the stated mission.

IQAC plans and monitors the following activities:

- Promotion of ICT in teaching, learning and evaluation process.
- Encourages faculty to submit research proposals to various funding agencies.
- Introduction of new programmes.
- Organization of Conferences/Seminars/Workshops.
- Development of soft/communication skills.
- Assessment of the faculty through API under PBAS

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

The decisions of the IQAC which are approved and implemented by the Management are:

- Modernize the class room with ICT facility, Smart Boards etc.
- Major and minor projects have been submitted and sanctioned.
- To enrich the laboratories to seek recognition as a Centre for Higher Learning and Research.
- New programmes in B.Com English medium and PG in Physics, Chemistry, Botany, Zoology and Mathematics have been started.
- To update the web-site to make it more attractive, informative and userfriendly.

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

Yes, external members nominated on IQAC are Dr. Dilip Peshwe, Professor and Head, Department of Metallurgy, VNIT, Nagpur and Shri. Gautam Karasgi, an Employer. They have rendered their significant contributions in academic and administrative planning and given valuable suggestions.

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

The students and alumni give their feedback and valuable suggestions for quality improvement in academics through informal interaction.

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

IQAC communicates through notices, landline, mobile, email and orally for meetings.

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

- Yes, the College has an integrated framework for quality assurance of the academic and administrative activities.
- Administrative and academic activities are reviewed by the LMC. All the decisions in respect of academic and administrative activities are executed.

**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, one week program on use of ICT in teaching-learning process.
- Seven days computer awareness programme for non-teaching staff.
- One week programme on quality enhancement in overall academic performance for the faculty.
- Accordingly various academic activities and administrative procedures are incorporated through IQAC and LMC.

**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, however, the institution is committed to go for academic audit in 2017-18.

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

- The institution has IQAC to monitor the overall quality assurance mechanism aligned with guidelines recommended by NAAC.
- The college has constituted the committees for all the seven criteria in line with the requirement of NAAC. These committees fulfil the objectives and inculcate the core values prescribed by NAAC in its Manual for Self Study Report (SSR).

**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?**

- Academic Calendar and Teaching schedule (Time-Table) is prepared, discussed and approved in departmental meetings which is inturn communicated to the students and the staff.
- Heads of all the departments distribute the workload and syllabus in the departmental meetings.
- A record of attendance is maintained regularly. Individual teachers complete the course curriculum within the stipulated period and heads of the departments take review of the course covered from time to time.
- The internal assessment of the students is carried out through oral/unit/surprise tests, home assignments, seminars, attendance etc.
- The remedial coaching classes and/or extra classes are arranged to take care of slow learners.

❖ **Outcomes:**

- Improvement in teaching-learning process.
- There is an improvement in attendance of student in class.
- Performance of students is improved in University examination.
- Improvement in the progress of slow learners.


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

The institution communicates quality assurance policies, mechanism and outcome to the various internal and external stakeholders by means of prospectus, web-site, magazine and welcome address by the Principal.

**Any other relevant information regarding Governance, Leadership and Management which the college would like to include:**

- Biometric system is installed in the college to monitor staff attendance.
- Office Management System has been installed.
- Entire campus is under electronic surveillance.
- Administrative decentralization is in place for effective implementation of policies.





**CRITERION VII:  
INNOVATION AND BEST  
PRACTICES**

## Criterion-VII: Innovations and Best Practices

### 7.1 Environmental Consciousness:

#### 7.1.1 Does the Institute Conduct a Green Audit of its campus and facilities?

- No, the institution does not conduct green audit of its campus however it maintains the greenery in the campus.
- The institution has eco-friendly campus.
- Chemical wastes are disposed safely in soak-pits. Solid non-biodegradable waste is collected and disposed-off in specially constructed pits.

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

##### ❖ **Energy conservation:**

- Use of LED lights
- The electrical gadgets, lights, fans and other appliances are switched off when not in use.
- Every class room has glass 'Kavelu' for proper illumination.
- Utmost care is taken to save electricity by proper maintenance of the wiring & electrical appliances.
- Orientation about energy conservation

##### ❖ **Use of renewable energy source:**

- Installation of solar lamps in play ground

##### ❖ **Water Harvesting:**

- Rain water is stored and used as a source of distilled water in the department of Chemistry.
- Drains terminate in soak-pits that are dug in the campus for effective ground-water recharge.

##### ❖ **Check dam Construction:**

This activity is not carried out in campus but NSS unit of the college conducts an awareness programmes on this issue during NSS residential camp at different villages nears Warora.

##### ❖ **Efforts for Carbon neutrality:**

- Regular plantation of saplings in the campus and maintenance of the same by students achieves carbon neutrality.
- Efforts have been taken to make campus plastic free.
- Vermi-compost is prepared out of dry leaves and bio-degradable waste.

##### ❖ **Plantation:**

- Variety of trees are planted to keep the campus green and to maintain biodiversity.

- Seasonal flowering plants are nurtured.
- Nursery of wild fruit trees has been started.
- ❖ **Hazardous waste management:**
  - The department of Chemistry has exhaust fans and proper ventilation is provided to expel hazardous gases.
  - Special drainage system is installed in the chemistry laboratory to dispose off the chemical wastes. Acids, alkalis & other chemicals are drained with plenty of water so that they get diluted.
- ❖ **e-Waste Management:**

Unserviceable batteries are exchanged with new ones and old computers are distributed to schools for reuse. Instead of purchasing brand new computers the institution has started purchasing refurbished computers.

## **7.2 Innovations:**

### **7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.**

- The library is computerized with Audio-visual aids, special collection of books / literature in respect of competitive examination, INFLIBNET, N-list, Reprography facility etc.
- Display of important notifications in library.
- The office administrative establishment is computerized.
- Uniforms to students and aprons to the chemistry students.
- An innovative programme on Tissue culture under COP.
- Organization of workshop for the students.
- Three Major research projects and 07 Minor research projects are completed/on-going.
- Five departments applied for recognition for Center for Higher Learning and Research.
- The institution has started P. G. courses in Physics, Botany, Chemistry, Mathematics and Zoology.
- Collaboration in research centres with Institute of Science and Departments of Physics, Chemistry, Zoology and Botany.
- Incentives to staff members for publication of research work.
- College has organized UGC sponsored National Conference in Physics, Botany, Zoology and English.
- One Day Conference on “National Mathematics’ Day” (Mathematician Dr. Shrinivasan Ramanujan Birth Day Celebration), sponsored by STRC Gondwana University, Gadchiroli.
- The institution has conducted the workshops on syllabus restructuring in various subjects.
- The institution magazine is published every year.

- All the departments have ICT facility and internet/Wi-Fi facility.
- The college conducted Coaching classes for entry in services (MPSC, UPSC examination) and remedial coaching for the slow learner students is a regular practice.
- Health awareness programmes and workshops are organized.
- Uniforms/Books are provided to needy and poor students.
- Seminars/workshops/ sensitization programmes are organized to empower women at work place.
- The campus is under electronic surveillance.

### **7.3 Best Practices**

#### **7.3.1 Elaborate on any two best practices which have contributed to the achievement of the institutional objective and/ or contributed to the quality improvement of the core activities of the college**

##### **❖ Best Practice - I**

###### **1. Title of the practice:**

**“Coaching Classes for Entry in Services”.**

###### **2. Goal:**

- To identify and nurture the talent available in the institution.
- To build competence in the students to face State and National level Competitions.
- To reduce disparity existing in rural area in respect of competitive examinations.
- To develop skilled human resource.
- To cater to the needs of different sectors like defence, administration, management, education etc.
- To inculcate values of hard work, commitment, dedication, understanding of socio-economic and national issues and positive thinking.

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

- The institution is situated in rural environment and students of the institution belong by and large to the weaker sections of society.
- The institution could be a meaningful resource in bridging the gaps for the exposure to information and opportunities.
- The institution has a sprawling campus with various facilities in all the departments. The competent faculty in the departments are strength of the institution.
- The rural youth has all the capability to excel in the competitive exams. The coaching classes, guest lectures and informal interaction with faculty give them opportunity to recognize hidden talent in them.

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

##### **❖ The Components of Coaching:**

- Indian History: (Ancient India, Medieval India and Modern India).
- World Geography: (Based on NCERT Syllabus up to Xth Class).
- Indian Economics: (except microeconomics).
- Indian Polity: (Our Parliament and Our Constitution).
- General Science.
- Verbal and Nonverbal Reasoning.
- Mental Ability.
- Current Events.
- Sports

##### **❖ Available Learning Resources:**

- Library: The Library is equipped with books on various competitive examinations besides Magazines and weeklies. INFLIBNET and N-LIST is also available for reference in the library.
- Ex-students of the college are also provided the library facility for the preparation of competitive examinations.
- Auditorium is optimally used for coaching classes availing ICT facility.
- Reprography facility is also available in library and in office.

##### **❖ Role of Faculty:**

- The faculty facilitates teaching-learning process of essential components broad syllabi of competitive examinations. The teachers are competent in respective field and cover entire syllabus very sincerely.
- The internal as well as external post graduate students are also guided regularly on SET/NET examinations.
- Guidance for various National level PG entrance examinations is provided by the faculty.
- The teacher plays the role of a catalyst and motivates the students to take up the challenges of various competitive examinations.

##### **❖ Information on Examination:**

Advertisements regarding various competitive examinations for jobs / further education are regularly displayed. Students are guided on procedures of various admission processes.

##### **❖ The Evaluation Test:**

Regular tests are held to keep track of student's performance.

##### **❖ Participants:**

Interested students from the institution as well as external students are provided the coaching facility.

##### **❖ Selections:**

Every year few students are selected for various services and PG programmes and qualify NET/SET.

❖ **Constraints/Limitations:**

- To cover the vast syllabus of competitive examinations time is the major constraint.
- Building confidence and consistency among the students are real challenges considering the background they belong to.
- Bearing additional expenses for such an activity is also a major challenge.

**5. Evidence of Success**

- Every year some students are selected in CET and join B. Ed courses to make education as career.
- Few students qualify State CET and join MBA programme.
- Some students qualify for MCA programme.
- Few students have qualified Public Service Commission's Examinations like Railway, Police and other Public and Private sector.

S.N.	Name	Courses/Services
1	Miss. Priti Bodhane	PSI
2	Mr. S. P. Pradhane	Zila Parishad
3.	Mr. Deo Nimkar	Reliance Insurance
4.	Mr. Vishal Bodhale	Zila Parishad
5.	Mr. P. R. Makde	PSI
6.	Mr. Kosankar	MPSC prelims
7.	Miss. S. B. Dhote	Banking sector
8.	Miss. P. R. Kapse	MPSC
9.	Mr. J. D. Tawade	SET
10.	Miss Kirti Nashikkar	NET

**6. Problems Encountered and Resources Required**

- Building confidence and consistency among the students are real challenges considering the background they belong to.
- Bearing additional expenses for such an activity is also a major challenge.

**7. Contact Details:**

Name of the Principal	Dr. Mrunal C. Kale
Name of the Institution	Anand Niketan College, City: Warora, Maharashtra, Pin Code: 442914
Accredited Status	Accreditation status (B++) valid till October 2009.
Work Phone	07176- 282006; Fax: 07176 282006
Website	<a href="http://www.ancanandwanwrr.com">www.ancanandwanwrr.com</a>
E-mail	<a href="mailto:anandniketancollege@gmail.com">anandniketancollege@gmail.com</a>
Mobile	09403816244

❖ **Best Practice – II**

**1. Title of the Practice:**

**“Sports and Physical Training facility for entry in government services including defence and police services”.**

**2. Goal:**

- Initiative towards Nation building and service to the Nation.
- To provide employment opportunity to the students.
- To foster the concept of healthy mind and body.
- To boost the sporting activity in the institution.

**3. The Context:**

- The basic aim of the institution is to provide equal opportunities for rural, educationally and socially weaker section of the society.
- The institute could be a meaningful resource in bridging these gaps.
- The institute has large play ground with various facilities under the Department of Physical Education.
- Physical fitness is an integral part for entry in Government Services including defence and police services. To achieve the required fitness, a large play ground in the institute with 400 meter track and all other athletics facility play an important role.
- These services offer a very good opportunity of employment.
- Initiative by the institute certainly brings health awareness through exercise and naturally augments the sporting activity in the institution.

**4. The Practice:**

❖ **The Physical Training given includes:**

Running (Short and Sprint), Horizontal and Parallel Bar, Shot put, Discus throw, Long Jump, Gymnasium, etc. for students. These are the main components during selection trials.

❖ **Supplementary Exercise as warm-up:**

Shuttle run, sprints, stepping, skipping and Surya Namaskar.

❖ **Available Physical Facilities:**

- A large play ground with 400 meter track.
- Separate long jump facility.
- Single and double bar facility.
- Separate area for shot put and discus throw.
- Two volley ball grounds.
- Four Kho-kho grounds.
- Two Kabbadi grounds.
- Cricket pitch.
- All necessary equipments and kits.
- Gymnasium

❖ **Role of Faculty In-charge.**

The faculty in-charge trains, monitors and organizes practice sessions of the students. Being in-charge of the Department, he looks after the requirements and provision of appropriate facilities. He plans the training sessions in the morning as well as evening hours so that routine of the institute does not suffer. The two sessions provide flexibility to participate as per the convenience of the aspirants.

❖ **Information of Selection Trials:**

- Necessary information is circulated in class rooms and displayed at notice board.
- The department keeps a track of selection trials at regional, state and national levels and informs the students.

❖ **The Physical and Written Test:**

The department organizes Physical tests.

❖ **Participants:**

Many students make advantageous use of the existing facility and do daily practice in the morning and evening.

❖ **Selection:**

Some students are selected in the defence and police services.

❖ **Constraints/Limitations:**

- Building confidence and consistency among the students are real challenges considering the background they belong to.
- Bearing additional expenses for such activity is also a major challenge.



**5. Evidence of Success:**

Many students have been selected in Defence and Police services during the last five years. The results reflect Institution's efforts in the right direction in line with its mission.

S.N.	Name	Sports	Placement
1	Mr. Prakash Rai	Athletics	Indian Army
2	Mr. Mahesh Chaukhe	Athletics	Indian Army
3.	Miss. Rama Barde	Kho-Kho	Maharashtra Police
4.	Mr. Ankit Karekar	Volley ball	Indian Postal Services
5.	Mr. Satish Nalbhimwar	Volley ball	Indian Army
6.	Mr. Narendra Date	Athletics, Kho-Kho	Indian Army

**6. Problems Encountered and Resources Required:**

- The major problem encountered is availability of skilled personnel in sufficient number.
- There are financial constraints to provide free kits to all the aspirants.

**7. Contact Details:**

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E-mail	<a href="mailto:anandniketancollege@gmail.com">anandniketancollege@gmail.com</a>
Mobile	09403816244



**EVALUATIVE REPORT OF THE  
DEPARTMENTS**

## Evaluative Report of the Department: Botany

1. Name of the department: Botany
2. Year of Establishment: June 20,1964
3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D. etc.): UG and PG
4. Names of Interdisciplinary courses and the departments/units involved: B.Sc. (Chemistry, Botany, Zoology)
5. Annual/ semester/choice based credit system (programme wise): UG-Semester Pattern, however, choice based credit system would be implemented from next year. PG-Semester pattern with CBCS.
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	02	02
Asst. Professors	01	01
CHB	05	05

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

Name	Qualifications	Designation	Specialization	No. of Years of Experience	No. of Ph. D. Students guided for the last 4 Years
Mr. S.D. Petkar	M.Sc.	Associate Professor	Cytogenetics	26 years	Nil
Dr. M.C. Kale	M.Sc., Ph.D., NET, GATE	Principal	Cytology and Genetics, Plant Physiology, Taxonomy, Ethnobotany, Biotechnology	19 years	01
Dr. P.J. Wagh	M.Sc., Ph.D.	Assistant Professor	Molecular Biology and Plant Biotechnology	2.5 year	Nil

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :  
 Under Graduate: 50%; Post Graduate: 100%
13. Student -Teacher Ratio (programme wise):  
 Under Graduate: 29:1 (for the session 2015-16)  
 Post Graduate: 2:1 (for the session 2015-16)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S. N.	Name of the Post	Sanctioned	Filled
1	Laboratory Assistant	01	01
2	Laboratory Attendant	03	03

15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D./ M. Phil. / P.G.:

Qualification	Number of Faculty	
	Permanent	Contributory
Ph. D.	02	00
M. Sc.	01	05

16. Number of faculty with on-going projects from a) National  
 b) International funding agencies and grants received:

S. N.	Name of Faculty member	Duration	Funding Agency	Grant Received	Status
01	Dr. M. C. Kale	2015-2018	BRNS-BARC	24,61,300/-	Ongoing

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

S. N.	Name of Faculty member	Duration	Funding Agency	Grant Received	Status
01	Dr. M. C. Kale	2009-2012	RGSTC-ARI	23,40,710/-	Completed
02	Dr. M. C. Kale	2011-2014	UGC, Major Research Project	2,17,000/-	Completed
03	Mr. S.D. Petkar	2008-11	UGC COP	7,00,000/-	Completed

18. Research Centre /facility recognized by the University:  
Applied for recognition in the Gondwana University.

19. Publications:

- ❖ Publication per faculty-2011 onwards  
06 publications per faculty
- ❖ Number of papers published in journals etc.

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor	SNIP	IPP	SJR	h-index
	National	International							
Mr. S.D. Petkar	-	01	-	-	-	-	-	-	-
Dr. M.C. Kale	06	05	-	-	-	-	-	-	-
Dr .P.J. Wagh	03	03							

- ❖ **Monograph:** Nil
- ❖ **Chapter in Books:** 03
- ❖ **Books Edited:** 02
- ❖ **Books with ISBN/ISSN numbers with details of publishers:**01

S.N.	Name	Title	Publisher	ISBN No.
1.	Dr. M.C. Kale	C.24:Phytoalexins, the potential biochemical markers for disease resistance in plants. 'Advance Concepts in Plant Sciences'.	Kiran Nangia DATTSONS, J. Nehru Marg, Nagpur	81-7192-051-9
2		C.10: 'Bioenergetics' in 'A Glimpse of Current Vistas in Plant Science Research.	K. H. Makde & S. E. Pawar /Hislop College Publication Cell, Nagpur, India.	978-81-910409-6-8
3		Bot. Pract. Manual B.Sc. SEM-V 'Plant Physiology, Biochemistry & Plant Ecology'	Gondwana University Botany Teacher's Association (GUBTA)	
4		Bot. Pract. Manual B.Sc., SEM-VI "Plant Physiology, Growth & Development, Ethnobotany & Applied Botany "	Gondwana University Botany Teacher's Association (GUBTA)	
5	Dr. P.J. Wagh	A textbook of Biochemistry, Molecular Biology and	G. C. Publishers Nagpur, M. S.,	978-81-925501-2-1

		Biotechnology (2012)	India	
6		Tissue Culture of <i>Abelmoschus moschatus</i> , a medicinal herb (Technical Book).	NICOLAEV / LAP Lambert Academic Publishing ISBN: 978-3-659-11597-4	
7		Bot. Pract. Manual B. Sc. SEM-V 'Plant Physiology, Biochemistry & Plant Ecology'	Gondwana University Botany Teacher's Association (GUBTA)	
8		Bot. Pract. Manual B. Sc. SEM-VI "Plant Physiology, Growth & Development, Ethnobotany & Applied Botany"	Gondwana University Botany Teacher's Association (GUBTA)	
9		C.2: Alginate, Chitosan and their depolymerized derivatives : Novel growth promoters for improving crop performance in 'A Glimpse of Current Vistas in Plant Science Research	K. H. Makde & S. E. Pawar / Hislop College Publication Cell, Nagpur, India.	978-81-910409-6-8

20. Areas of consultancy and income generated: Nil
21. Faculty as members in:  
 a) National committees, b) International Committees, c) Editorial Boards, Nil
22. Student projects:  
 a. Percentage of students who have done in-house projects including interdepartmental /programme: Nil  
 b. Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students:

Dr. M. C. Kale, and Dr. P. J. Wagh have been awarded First Prize in Poster Presentation Competition (Teacher) held at UGC sponsored National Level Seminar on "Recent Trend In Bioinformatics & Biostatistics (NLSRTBB-2015)" organized by the Department of Zoology, Shri Dnyanesh Mahavidyalaya, Nawargaon.

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

Dr. K. B. Sainis, Senior Scientist, BARC, Mumbai,  
 Dr. R.D. Makde, Scientist, RRCAT, DAE, Indore  
 Dr. Mrs. Bhogaonkar, Ex. Director, V.M.V. Amravati  
 Dr. Mrs. V. Ghate, Agarkar Institute, Pune  
 Mr. A.K. Joshi, PCCF (Head of Forest Force) Govt. of Maharashtra.  
 Dr. Ashwajit Fulzele, HOD, Botany, Mohota Science College, Nagpur

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

S. N.	Title/theme of Seminars/ Conferences/Workshops organized	Year	Funding Agency
01	National Seminar on Awareness and Application of Synchrotron Beamlines	25 <sup>th</sup> January, 2016	Raja Ramanna Center for Advance technology, Indore
02	Seven Days Workshop on 'Computer Literacy for Non-Teaching Staff'	07-14 <sup>th</sup> August, 2013	Funded by Institute
03	Two Days Seminar on 'Biodiversity, Biology, New Biological Trends and its Terminology in Science'.	3-4, October, 2012	National Terminology Commission, Govt. Of India
04	One Day Workshop on 'Scope of Syllabus of B. Sc. I and II Semester in Botany	7 <sup>th</sup> July, 2012	In Association with BOS in Botany, Gondwana University, Gadchiroli
05	One day national seminar on 'Biodiversity conservation for a better biosphere'.	2 <sup>nd</sup> February, 2012	Funded by Institute

26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.Sc.	69	69	08	61	86.95

27. Diversity of Students

100% of students are from the same state.

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

03 Students qualified NET and 02 students qualified SLET examination in Life Sciences.

29. Student progression: UG to PG: 57.97 %

30. Details of Infrastructural facilities

S. N.	Infrastructural Facilities	Status	Number
1.	Library	Books	Central Library: 1883 Departmental Library: 104
		Thesis	15
		IC Manuals	00
		Project Volumes	02
		Journals/magazines	15
2.	Internet facilities for staff and students	Desktop computer	03
		Laptops	02
3.	Class room with ICT facilities	Printer	01
		Scanner	01
		LCD projector	01
		Over Head projector	01
4.	Laboratories		02

31. Number of students receiving financial assistance from college, University, Government or other agencies:

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	22	10	08	09
2.	PTC	03	02	04	04
3.	STC	00	01	01	03
4.	Open merit	00	00	00	00
5.	GOI scholarship for SC/ST/OBC	54	89	148	186
6..	GOI free ship for BC	00	00	00	00
7.	Differently abled (Divyang)	00	00	00	00
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC free-ship	19	24	21	19



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

Dr. K. B. Sainis, Senior Scientist, BARC, Mumbai,  
Dr. R.D. Makde, Scientist, RRCAT, DAE, Indore  
Dr. Mrs. Bhogaonkar, Ex. Director, V.M.V. Amravati  
Dr. Mrs. V. Ghate, Agarkar Institute, Pune  
Mr. A.K. Joshi, PCCF (Head of Forest Force) Govt. of Maharashtra.  
Dr. Ashwajit Fulzele, HOD, Botany, Mohota Science College, Nagpur

33. Teaching methods adopted to improve student learning:

- Along with traditional blackboard teaching and use of charts and models, department has adopted advanced technological tools such as power point presentations through LCD projector for effective communication.
- Students are taken for regular short field visits for providing first-hand information and better understanding of the subject.

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

❖ Institutional Social Responsibility (ISR)

Blood donation camp, Eye camp, Environment Awareness camp, Participation in fund generation for relief for National Disaster (Flood in Kashmir).

❖ Extension activities

Participation of staff & students in campus cleaning campaign, science awareness amongst school children in rural areas through Marathi Vidhyan Parishad, nursery of fruit yielding local tree species for tree plantation through social organizations.

35. SWOC analysis of the department and Future plans

❖ Strength

- Good academic performance of students.
- Well- furnished and spacious Department
- Laboratories equipped with sophisticated instruments
- Enriched Departmental Library
- ICT facility for teachers and students
- Recipient of Funds from national funding agencies
- Healthy Environment for Research promotion

❖ Weakness

- Average performance of students
- Need for providing consultancy regarding applied part of the subject
- Need for establishing link with industry

❖ **Opportunities**

- Encouraging academic and extension activities
- Providing hands on training on applied aspects of the subject viz., tissue culture, mushroom cultivation, vermicomposting, nursery techniques etc.
- Guidance for projects on self-employment.
- Participation at university and national level science exhibitions and research competitions

❖ **Challenges**

- Enhancing communication and expression skill of the students who are mostly from rural area
- Developing scientific attitude and reasoning amongst students
- Effective and efficient utilization of available human resource

❖ **Future Plans**

- To organize skill based training programmes on applied aspects of the subject.
- To undertake Minor/Major Research Projects.
- To develop seed bank of local forest species

## Evaluative Report of the Department: Chemistry

- Name of the department: Chemistry
- Year of Establishment: June 20,1964
- Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D. etc.): UG and PG
- Names of Interdisciplinary courses and the departments/units involved:  
B.Sc. CBZ and PCM groups  
M.Sc. Chemistry
- Annual/ semester/choice based credit system (programme wise):  
UG-Semester Pattern, however, choice based credit system would be implemented from next year. PG-Semester pattern with CBCS.
- Participation of the department in the courses offered by other departments: Nil
- Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
- Details of courses/programmes discontinued (if any) with reasons: Nil
- Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	01	01
Asst. Professors	03	03
CHB	07	07

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

Name	Qualifications	Designation	Specialization	Teaching Experience	No. of Ph. D. Students guided for the last 4 Years
P.N. Bagade	M.Sc., SET., Ph.D	Associate Professor	Physical Chemistry	24 years	Nil
S.A. Shah	M.Sc., SET, NET.,GATE	Assistant Professor	Organic Chemistry	11 years	Nil
A. P. Wakulkar	M.Sc. ,NET	Assistant Professor	Organic Chemistry	2.5 years	Nil
D. S. Panchbhai	M.Sc., Ph.D	Assistant Professor	Organic Chemistry	2.5 years	Nil

- List of senior visiting faculty: Nil
- Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 50%

13. Student -Teacher Ratio (programme wise):  
125:1(As per total student strength of 2015-16)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **N.A.**
15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D/ M. Phil. / P.G.:

S.N.	Name of Faculty	Qualifications
1	P.N. Bagade	M.Sc., SET., Ph.D
2	S.A. Shah	M.Sc., SET, NET.,GATE
3	A. P. Wakulkar	M.Sc., NET
4	D. S. Panchbhai	M.Sc., Ph.D

16. Number of faculty with on-going 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:  
One UGC Minor Research Project of Rs. 1, 90,000/-
18. Research Centre /facility recognized by the University:  
Proposal has been sent to the University for Recognition of research lab
19. Publication per faculty-2011 onwards: 8 per faculty

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor (Max.)	SNIP	IPP	SJR	h-index
	National	International							
Dr. P.N. Bagade	08	04	-	-	-	-	-	-	-
Mr. S.A. Shah	06	05	-	-	0.45	0.424	-	0.19	-
Mr. A.P. Wakulkar	Nil	Nil							
Dr. Miss. D.S. Panchbhai	01	05			1.4	0.74		0.47	

20. Areas of consultancy and income generated: Nil
21. Faculty as members in:
  - a) National committees, b) International Committees, c) Editorial Boards, Nil

22. Student projects:
- Percentage of students who have done in-house projects including interdepartmental /programme: Nil
  - Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students: Nil

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

- ✚ Dr. N.R. Dhattrak, Department of Chemistry, Pune University, Pune
- ✚ Dr. Prashant Adkine, Department of Chemistry, Priyadarshani College of Engineering, Nagpur.
- ✚ Dr. Jogi, Department of Chemistry, Janata College, Chandrapur.
- ✚ Dr. S. B. Jog, Department of Chemistry, Modern College, Pune.
- ✚ Mr. B. N. Gajbhiye, Scientist-G, DRDO, Hyderabad.
- ✚ Dr. S.B. Deosarkar, Department of Chemistry, Ramanand Tirth University, Nanded.

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

One day workshop on new syllabus, on 30<sup>th</sup> August 2013. Funded by Institution.

26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.Sc.	103	103	75	28	75%

27. Diversity of Students  
100% of students are from the same state.
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? :  
02 (One NET, One SET)
29. Student progression: UG to PG approximately 15 %

**30. Details of Infrastructural facilities:**

S. N.	Infrastructural Facilities	Status	Number
1.	Library	Books	Central Library: 3000 Departmental Library: 75
		Thesis	02
		IC Manuals	00
		Project Volumes	00
		Journals/magazines	00
2.	Internet facilities for staff and students	Desktop computer	02
		Laptops	01
3.	Class room with ICT facilities	Printer	02
		Scanner	00
		LCD projector	01
		Over Head projector	01
4.	Laboratories		02

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

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	27	17	15	17
2.	PTC	03	02	04	04
3.	STC	00	02	05	06
4.	Open merit	00	00	00	00
5.	GOI scholarship for SC/ST/OBC	94	147	238	326
6..	GOI free ship for BC	00	00	00	00
7.	Differently abled (Divyang)	00	00	00	00
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC free-ship	28	35	35	40

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

S. N	Name of guest lecturer	Subject	Year
1	Dr. Prashant Atkine	Guidance on Competitive Exam	(19-01-2014)
2	Dr, Niraj Khati	Guidance on Competitive Exam	2013-14
3	Dr. S. D. Deosarkar	Spectroscopy	28-09-2013
4	Dr. N. R. Dhatriak	IR spectroscopy	14-02-2015
5	Mr. B. N. Gajbhiye	Opportunities of jobs in DRDO	14-01-2015
6	Dr. N. R. Dhatriak	IR spectroscopy	04-01-2016
7	Dr. Mrs. Jog	Perpetual Dance of Organic Molecules	17-02-2016
8	Dr. Jogi	Students future in Chemistry	17-01-2016

33. Teaching methods adopted to improve student learning:

- Apart from conventional black board teaching method department adopts the use of the prescription of home assignments, projects and seminars and new technological means such as Multimedia and use of ICT.
- Use of films and CDs based on the syllabus.
- Organization of programs on behalf of Chemistry Quiz.
- On every Sunday extra classes on basic chemistry is conducted.

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

❖ Institutional Social Responsibility (ISR)

- Blood donation camp,
- Cataract operation camp
- Environmental awareness camp (Vriksha Dindi etc)
- Participation in National Disaster (Kashmir relief Fund)
- Teachers work as Presiding Officers for the Election Commission of India
- Students participated in voter awareness and electoral enrolment campaigns initiated by Government of Maharashtra.

❖ Extension activities

- Participation of Staff & Student in Green and Clean Campaign.
- Students and teachers have been actively involved in various National, Social activities through NSS, NCC, Mahila Adhyayan, etc.
- Prof. A. P. Wakulkar held the positions of NSS Program Officers (2015-2016).
- Prof S. A. Shah held the position of coordinator of Environmental Education.

- Dr. D. S. Panchbhai held the position of care taker of NCC, 3 Mah. Girl's Battalion.

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

#### ❖ Strength

- Parent institution's Goodwill in society for its major contribution in the field social service.
- Good academic performance of the students.
- Spacious and green college campus.
- Qualified, Skilled, & Dedicated faculty
- Safe and secure environment for co-education
- Democratic functioning
- Interdepartmental cooperation
- Curricular and extracurricular activities
- Teachers pursuing research in their field of interest
- Use of ICT and Multimedia for Effective Teaching

#### ❖ Weakness

- Average students seek admission.
- Student's lack of interest and hard-work.
- Low job opportunities after the completion of programme.

#### ❖ Opportunities

- To inspire and build confidence in rural students.
- To provided opportunities to participate in various intra and inter institutional activities.

#### ❖ Challenges

- Average students seek admission.
- To encourage and develop the average students and slow learner.

#### ❖ Future Plans

- Increase the use of ICT in teaching.
- Organizing Workshops, Conferences, Seminar and Guest Lectures.
- To undertake Minor/Major research projects.
- Augment facilities in the PG chemistry laboratory.



## Evaluative Report of the Department: Electronics

1. Name of the department: **Electronics**
2. Year of Establishment: **1984**
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:  
**B.Sc. (Electronics, Mathematics, Physics)**
5. Annual/ semester/choice based credit system (programme wise):  
**Semester Pattern**
6. Participation of the department in the courses offered by other departments: **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	02	02
Asst. Professors	00	00
CHB	01	00

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

Name	Qualifications	Designation	Specialization	No. of Years of Experience	No. of Ph. D. Students guided for the last 4 Years
Dr. V. D. Bhandakkar	Ph.D.	Associate Professor	Ultrasonic, Material science, solid state Physics and digital Electronics.	29 years	07
Dr. G. K. Singh	Ph.D.	Associate Professor	Instrumentation	23 years	Nil

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty :  
**Under Graduate: 12.20%**

## 13. Student -Teacher Ratio (programme wise):

Under Graduate: 22:1 (for the session 2015-16)

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

S. N.	Name of the Post	Sanctioned	Filled
1	Laboratory Assistant	00	00
2	Laboratory Attendant	02	02

## 15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D./ M. Phil. / P.G.:

Qualifications	Number of Faculty	
	Permanent	Contributory
Ph. D.	02	00

## 16. Number of faculty with on-going 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:

S. N.	Name of Faculty member	Duration	Funding Agency	Grant Received	Status
1	Dr. V. D. Bhandakkar	2009-11	UGC	200000/-	Completed
		2007-09	UGC	75000/-	Completed
		2010-12	UGC	140000/-	Completed
2	Dr. G.K. Singh	2007-09	UGC	75000/-	Completed

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

Applied for CHLR in the Gondwana University.

## 19. Publications:

- ❖ Publication per faculty-2011 onwards: 32 publications per faculty
- ❖ Number of papers published in journals etc.

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor (Max.)	SNIP	IPP	SJR	h-index
	National	International							
Dr. V. D. Bhandakkar	22	35	03	157	4.44	0.661	--	0.339	07
Dr. G.K. Singh	04	02		07	1.12	--	--	--	02

20. Areas of consultancy and income generated: Nil
21. Faculty as members in:  
 a) National committees, b) International Committees, c) Editorial Boards,  
 Member of editorial board of Journal of Industrial and Applied Physics.
22. Student projects:  
 a. Percentage of students who have done in-house projects including interdepartmental /programme: Nil  
 b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students: Nil
24. List of eminent academicians and scientists/visitors to the department: Nil
25. Seminars/ Conferences/Workshops organized & the source of funding: Nil
26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.Sc.	13	13	01	12	88.00

27. Diversity of Students  
 100% of students are from the same state.
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? :  
 01 Students qualified NET.
29. Student progression: 54 %
30. Details of Infrastructural facilities

S. N.	Infrastructural Facilities	Status	Number
1.	Library	Books	Central Library: 982 Departmental Library: 132
		Thesis	06
		IC Manuals	04
		Project Volumes	04
		Journals/magazines	02
2.	Internet facilities for staff and students	Desktop computer	06
		Laptops	01
3.	Class room with ICT facilities	Printer	02
		Scanner	01
		LCD projector	00
		Over Head projector	01
4.	Laboratories		01

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

S. N.	No of students receiving financial assistance					
	Type of Scholarship	2011-12	2012-13	2013-14	2014-15	2015-16
1.	EBC	05	06	09	03	06
2.	PTC	01	00	01	01	01
3.	STC	00	00	00	00	02
4.	Open Merit	00	00	00	00	09
5.	GOI scholarship for SC/ST/OBC	06	05	04	07	33
6.	GOI free-ship for BC	14	13	17	21	00
7.	Differently abled (Divyang)	00	00	00	00	00
8.	Student's aid fund	00	00	00	00	00
9.	Minority Scholarship	00	00	00	00	00

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

**33. Teaching methods adopted to improve student learning:**

Along with traditional blackboard teaching and use of charts and models, department has adopted advanced technological tools such as power point presentations through LCD projector for effective communication.

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

❖ **Institutional Social Responsibility (ISR)**

Blood donation camp, Eye camp, Environment Awareness camp, Participation in fund generation for relief from National Disaster (Flood in Kashmir).

❖ **Extension activities**

Participation of staff & students in campus cleaning campaign, science awareness amongst school children in rural areas through Marathi Vidnyan Parishad, nursery of fruit yielding local tree species for tree plantation through social organizations.

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

❖ **Strength**

- Good academic performance of students.
- Well- furnished and spacious Department
- Laboratories equipped with sophisticated instruments
- Enriched Departmental Library
- ICT facility for teachers and students
- Recipient of Funds from national funding agencies

- Healthy Environment for Research promotion

❖ **Weakness**

- Average performance of students
- Need for providing consultancy regarding applied part of the subject
- Need for establishing link with industry

❖ **Opportunities**

- Encouraging academic and extension activities
- Guidance for projects on self-employment like design of PCB etc.
- Participation at university and national level science exhibitions and research competitions

❖ **Challenges**

- Enhancing communication and expression skill of the students who are mostly from rural area
- Developing scientific attitude and reasoning amongst students
- Effective and efficient utilization of available human resource

❖ **Future Plans**

- To organize skill based training programmes on applied aspects of the subject.
- To undertake Minor/Major Research Projects.
- Simulation techniques for experiments.

## Evaluative Report of the Department: Mathematics

1. Name of the department: **Mathematics**
2. Year of Establishment: **June 20,1964**
3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D. etc.): **UG and PG**
4. Names of Interdisciplinary courses and the departments/units involved: **B.Sc. (Mathematics, Physics, Chemistry and Mathematics, Physics, Electronics)**
5. Annual/ semester/choice based credit system (programme wise): **UG-Semester Pattern, however, choice based credit system would be implemented from next year. PG-Semester pattern with CBCS.**
6. Participation of the department in the courses offered by other departments: **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	00	00
Asst. Professors	01	01
CHB	02	02

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

Name	Qualifications	Designation	Specialization	No. of Years of Experience	No. of Ph. D. Students guided for the last 4 Years
Dr. M.H. Durge	M.Sc., Ph.D.	Assistant Professor	BVP	8.8	01

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :
  - Under Graduate: **33%**
  - Post Graduate: **100%**
13. Student -Teacher Ratio (programme wise):
  - Under Graduate: **91:1 (for the session 2015-16)**
  - Post Graduate: **10:1 (for the session 2015-16)**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **NA**

15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D./ M. Phil. / P.G.:

Qualification	Number of Faculty	
	Permanent	Contributory
Ph. D.	01	00
M. Sc.	00	02

16. Number of faculty with on-going 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:

S. N.	Name of Faculty member	Duration	Funding Agency	Grant Received	Status
1	Dr. M.H. Durge	2008-10	UGC	30000	Completed

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

19. Publications:

- ❖ Publication per faculty-2011 onwards  
38 publications per faculty
- ❖ Number of papers published in journals etc.

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor (Max.)	SNIP	IPP	SJR	h-index
	National	International							
Dr. M. H. Durge	10	28	--	--	--	--	--	--	-

- ❖ **Monograph:** Nil
- ❖ **Chapter in Books:** Nil
- ❖ **Books Edited:** Nil
- ❖ **Books with ISBN/ISSN numbers with details of publishers:**07

S.N.	Title	Publisher	ISBN No.
1.	Some mathematical views on inverse thermo elastic problems.	S. Jackson/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a>	978-3-639-70974-2
2.	n-fold Ring.	S. Jackson/ Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a> ,	978-3-639-66092-0
3.	Some mathematical paradox.	S. Jackson/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a>	978-3-639-66140-8

4.	Light: Bitter truth a sincere efforts towards realization.	A. Monroe/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a>	978-3-639-66377-8
5.	Elements of N fold Ring, a sincere effort towards realization.	A. Monroe/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a>	978-3-639-76079-8
6.	N Fold Hemiring.	A. Monroe/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a>	978-3-639-51694-4
7.	Some student's paradox	A. Monroe/Scholars' Press <a href="https://www.scholarspress.com">https://www.scholarspress.com</a>	978-3-659-83683-1

20. Areas of consultancy and income generated: Nil
21. Faculty as members in:  
a) National committees, b) International Committees, c) Editorial Boards, Nil
22. Student projects:  
a. Percentage of students who have done in-house projects including interdepartmental /programme: Nil  
b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students:  
Mr. Pankaj Dongre, 5<sup>th</sup> Merit in Gondwana University, Gadchiroli.
24. List of eminent academicians and scientists/visitors to the department:

S.N.	Eminent academicians and scientists/visitors	Date	Topic
01	Dr. B.R. Chide, Ramdeobaba Engg. College Nagpur.	01.01.2012	Counting Principle
02	Vivek Wagh , Nagpur.	14.09.2014	Vector Space and its Application
03	Dr. Sanjay Sarwe , Nagpur.	22.12.2015	Rectilinear and Quadreture
04	Dr. S.D. Deo , Bhadrawati.	21.08.2013	Differential Equation

25. Seminars/ Conferences/Workshops organized & the source of funding:  
National Mathematics Day, Date: Feb 14, 2015,  
Chief Guest: Shri Pramod Kale, former Director, Space application Centre Ahmadabad



## 26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.Sc.	47	47	11	36	93.61

## 27. Diversity of Students

100% of students are from the same state.

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

## 29. Student progression: UG to PG: 21.21 %

## 30. Details of Infrastructural facilities

S. N.	Infrastructural Facilities	Status	Number
1.	Library	Books	Central Library: Departmental Library:
		Thesis	00
		IC Manuals	00
		Project Volumes	00
		Journals/magazines	01
2.	Internet facilities for staff and students	Desktop computer	01
		Laptops	00
3.	Class room with ICT facilities	Printer	00
		Scanner	00
		LCD projector	00
		Over Head projector	00
4.	Laboratories		NA

## 31. Number of students receiving financial assistance from college, University, Government or other agencies:

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	05	07	07	08
2.	PTC	00	00	00	00
3.	STC	00	01	04	03
4.	Open merit	00	00	00	00
5.	GOI scholarship for SC/ST/OBC	40	58	90	140
6..	GOI free ship for BC	00	00	00	00
7.	Differently abled (Divyang)	00	00	00	00
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC free-ship	09	11	14	21

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

S.N.	Eminent academicians and scientists/visitors	Date	Topic
01	Dr. B.R. Chide, Ramdeobaba Engg. College Nagpur.	01.01.2012	Counting Principle
02	Vivek Wagh, Nagpur.	14.09.2014	Vector Space and its Application
03	Dr. Sanjay Sarwe, Nagpur.	22.12.2014	Rectilinear and Quadreture
04	Dr. S.D. Deo, Bhadrawati.	21.08.2013	Differential Equation

33. Teaching methods adopted to improve student learning:

Black Board Teaching, Organization of Guest lecture, Offering Assignment, Seminar Competition, Group Discussion, Class Attentiveness Test, Field- Industry tour.

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

❖ **Institutional Social Responsibility (ISR)**

Blood donation camp, Eye camp, Environment Awareness camp, Participation in fund generation for relief from National Disaster (Flood in Kashmir).

❖ **Extension activities**

Participation of staff & students in campus cleaning campaign, science awareness amongst school children in rural area.

35. SWOC analysis of the department and Future plans

❖ **Strength**

- Good academic performance of students.
- ICT facility for teachers and students.
- Healthy Environment for Research promotion.

❖ **Weakness**

- Average performance of students
- Need for establishing link with industry

❖ **Opportunities**

- Encouraging academic and extension activities.
- Participation at university and national level science exhibitions and research competitions.

❖ **Challenges**

- Developing scientific attitude and reasoning amongst students

❖ **Future Plans**

- To undertake Minor/Major Research Projects.

## Evaluative Report of the Department: Physics

1. Name of the department: Physics
2. Year of Establishment: June 20,1964
3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D. etc.): UG and PG
4. Names of Interdisciplinary courses and the departments/units involved: B.Sc., (Physics, Chemistry, Mathematics and Physics, Electronics, Mathematics).
5. Annual/ semester/choice based credit system (programme wise): UG-Semester Pattern, PG-Semester with CBCS
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	02	02
Asst. Professors	01	01
CHB	03	03

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

Name	Qualifications	Designation	Specialization	No. of Years of Experience	No. of Ph. D. Students guided for the last 4 Years
Dr. M.S.Deshpande	M.Sc. M.Phil., Ph.D	Associate Professor	Solid state physics	34 years	04
V.S. Dhabarde	M.Sc.	Associate Professor	Electronics	27 years	Nil
Dr. A.A. Mistry	M.Sc. Ph.D. SET.	Assistant Professor	Condensed Matter Physics	12 years	Nil

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty :

Under Graduate: 16%  
 Post Graduate: 100%

13. Student -Teacher Ratio (programme wise):  
 Under Graduate: 47:1 (for the session 2015-16)  
 Post Graduate: 3:1 (for the session 2015-16)

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

S. N.	Name of the Post	Sanctioned	Filled
1	Laboratory Assistant	01	01
2	Laboratory Attendant	04	04

15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D./ M. Phil. / P.G.:

Qualifications	Number of Faculty	
	Permanent	Contributory
Ph. D.	02	00
M. Sc.	01	03

16. Number of faculty with on-going projects from a) National b) International funding agencies and grants received:

S. N.	Name of Faculty member	Duration	Funding Agency	Grant Received	Status
01	Dr. A.A. Mistry	2015-17	UGC	Yet to receive	ongoing

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

S. N.	Name of Faculty member	Duration	Funding Agency	Grant Received	Status
01	Dr. M.S. Deshpande	2012-14	UGC	1,60,000/-	Completed

18. Research Centre /facility recognized by the University:  
 Applied for CHLR in the Gondwana University.

19. Publications:  
 ❖ Publication per faculty-2011 onwards: 16 publications per faculty

❖ Number of papers published in journals etc.

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor	SNIP	IPP	SJR	h-index
	National	International							
M.S.Deshpande	09	19	01						
V.S. Dhabarde	01	Nil		-	-	-	-	-	-
A. A. Mistry	04	03							

❖ **Monograph:** Nil

❖ **Chapter in Books:** Nil

❖ **Books Edited:** Nil

❖ **Books with ISBN/ISSN numbers with details of publishers:** 01

S.N.	Name	Title	Publisher	ISBN No.
1	Dr. A.A. Mistry	Y. B. Sc. SEM-III Physics (Paper I & II)	G. C. Publishers, Plot No. 58, Ganesh Nagar,	978-93- 82962-94-6

20. Areas of consultancy and income generated: Nil

21. Faculty as members in:

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

22. Student projects:

a. Percentage of students who have done in-house projects including interdepartmental /programme: Nil

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

23. Awards / Recognitions received by faculty and students:

Shri Pankaj Dongre secured fifth Merit position in University, Gadchiroli

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

- Dr. Kishor Ghodmare, Chairman, BOS Physics, RTM Nagpur University.
- Dewraj Singh, Amity College of Engineering, Gurgaon, Delhi.
- Dr. D.G. Kuberkar, Surashtra University, Rajkot, Gujarat.
- Dr. Bramhaji Rao, Hyderabad.
- Dr. M.S. Sirsat, Department of Physics, Dr. Ambedkar Marathwada University, Aurangabad.

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

S. N.	Title/theme of Seminars/ Conferences/Workshops organized	Year	Funding Agency
01	National conference on material characterization.	6 <sup>th</sup> Feb. 2014	UGC
02	Workshop on Scope of Syllabus	7 <sup>th</sup> July 2012	College
03	National Seminar on Synchrotron beamline.	25 <sup>th</sup> Jan 2016	RRCAT, Indore.

## 26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.Sc.	47	47	16	31	93.61

## 27. Diversity of Students

100% of students are from the same state.

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? : 05 Students

## 29. Student progression: UG to PG: 30 %

## 30. Details of Infrastructural facilities

S. N.	Infrastructural Facilities	Status	Number
1.	Library	Books	Central Library: 2490 Departmental Library: 350
		Thesis	04
		IC Manuals	00
		Project Volumes	00
		Journals/magazines	05
2.	Internet facilities for staff and students	Desktop computer	08
		Laptops	02
3.	Class room with ICT facilities	Printer	01
		Scanner	01
		LCD projector	01
		Over Head projector	01
4.	Laboratories		03

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

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	05	07	07	08
2.	PTC	00	00	00	00
3.	STC	00	01	04	03
4.	Open merit	00	00	00	00
5.	GOI scholarship for SC/ST/OBC	40	58	90	140
6..	GOI free ship for BC	00	00	00	00
7.	Differently abled (Divyang)	00	00	00	00
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC free-ship	09	11	14	21

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

Nil

**33. Teaching methods adopted to improve student learning:**

- Along with traditional blackboard teaching and use of charts and models, department has adopted advanced technological tools such as power point presentations through LCD projector for effective communication.
- Use of video clips and CDs based on the syllabus.

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

❖ **Institutional Social Responsibility (ISR)**

Blood donation camp, Eye camp, Environment Awareness camp, Participation in fund generation for relief from National Disaster (Flood in Kashmir).

❖ **Extension activities**

- Participation of staff & students in campus cleaning campaign, science awareness amongst school children in rural areas through Marathi Vidhyan Parishad.
- Students and teachers have been actively involved in various National, Social activities through VUPTA. NSS, NCC, etc.

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

#### ❖ Strength

- Good academic performance of students.
- Well- furnished and spacious Department
- Laboratories equipped with sophisticated instruments
- Good collection of books in departmental Library
- ICT facility for teachers and students
- Recipient of Funds from national funding agencies
- Healthy Environment for Research promotion

#### ❖ Weakness

- Average performance of students
- Need for providing consultancy regarding applied part of the subject
- Need for establishing link with industry

#### ❖ Opportunities

- Encouraging academic and extension activities
- Participation at university and national level science exhibitions and research competitions

#### ❖ Challenges

- Developing scientific attitude and reasoning amongst students
- Effective and efficient utilization of available human resource

#### ❖ Future Plans

- To organize skill based training programmes on applied aspects of the subject.
- To undertake Minor/Major Research Projects.



## Evaluative Report of the Department: Zoology

1. Name of the department: Zoology
2. Year of Establishment: June 20,1964
3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D. etc.): UG and PG
4. Names of Interdisciplinary courses and the departments/units involved: B.Sc. (Chemistry, Botany, Zoology)
5. Annual/ semester/choice based credit system (programme wise): UG-Semester Pattern, however, choice based credit system would be implemented from next year. PG-Semester pattern with CBCS.
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	00	00
Asst. Professors	03	03
CHB	06	06

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

Name	Qualifications	Designation	Specialization	No. of Years of Experience	No. of Ph. D. Students guided for the last 4 Years
Dr. A.P. Sawane	Ph.D.	HOD, Assistant Professor	Ichthyology, Limnology, Arachnology	13 years	01
Dr. R. R. Kamdi	Ph.D.	Assistant Professor	Ichthyology, Limnology, Physiology	11 years	Nil
Dr. S. R. Verma	Ph.D.	Assistant Professor	Entomology, Environmental Biology	02	Nil

11. List of senior visiting faculty: Nil

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

Under Graduate: 12.20%;  
Post Graduate: 100%

13. Student -Teacher Ratio (programme wise):

Under Graduate: 29:1 (for the session 2015-16)  
Post Graduate: 2:1 (for the session 2015-16)

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

S. N.	Name of the Post	Sanctioned	Filled
1	Laboratory Assistant	01	00
2	Laboratory Attendant	04	04

15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D./ M. Phil. / P.G.:

Qualifications	Number of Faculty	
	Permanent	Contributory
Ph. D.	03	00

16. Number of faculty with on-going projects from a) National b) International funding agencies and grants received:

Currently 02 Minor Projects submitted for financial assistance to UGC.

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

S. N.	Name of Faculty member	Duration	Funding Agency	Grant Received	Status
01	Dr. A.P. Sawane	2011-14	UGC	2,17,000/-	Completed

18. Research Centre /facility recognized by the University:

Applied for CHLR in the Gondwana University.

19. Publications:

- ❖ Publication per faculty-2011 onwards  
16 publications per faculty

❖ Number of papers published in journals etc.

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor (Max.)	SNIP	IPP	SJR	h-index
	National	International							
Dr. A.P. Sawane	09	05		16	3.13				3
Dr. R.R. Kamdi	08	09		7	4.17				2
Dr. S. R. Verma	09	07	04		2.254				2

❖ Chapter in Books: 04

❖ Books with ISBN/ISSN numbers with details of publishers: 03

S.N.	Name	Title	Publisher	ISBN No.
1	Dr. A. P. Sawane	Text Book of Zoology: Life & Diversity of Animals (Arthropods to Protochordates. B.Sc. Sem-II, Paper-I	M/S Rajani Prakashan & Book Distributor Nagpur- 440027	978-93-83619-74-0
2	Dr. A. P. Sawane	Text Book of Zoology: Cell Biology, B.Sc. Sem-II, Paper-II	M/S Rajani Prakashan & Book Distributor Nagpur- 440027	978-93-83619-75-7
3.	Dr. S.R. Verma	Studies on the ecology and trophic status of an urban lake, India (Book).	Lambert Academic Publishing (LAP)	978-3-659-13979-6

20. Areas of consultancy and income generated: Nil

21. Faculty as members in:

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

Dr. A.P. Sawane

- Member of Editorial Board (Journal of Science Information, ISSN 2229 5836)
- 'Marathi Biology Glossary', Commission for Scientific & Technical Terminology, H.R.D. Ministry, New Delhi.

Dr. R.R. Kamdi

- International Journal of Research in Bioscience, Agriculture & Technology, Nagpur.

22. Student projects:
- Percentage of students who have done in-house projects including interdepartmental /programme: Nil
  - Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students:

- + Dr. R.R. Kamdi:
  - “Eminent Researcher” in international conference organized by Jagdambha College of Engineering and Technology in association with BITS Pilani Offshore Campus, Dubai.
- + Dr. S.R. Verma
  - “Eureka forbes young scientist award, 2005 for best poster presentation” for study on the ecology and trophic status of an urban lake at Nagpur, Maharashtra state, India. in National Conference on Frontiers in Environmental Sciences & Engineering in India, organized by Bhatthiar University in collaboration with Indian Association for Environment Management (IAEM), NEERI at Coimbatore, Tamil Naidu (Sept 15-17).
- + Students:
  - One student get selected for state level ‘Awishkar’ competition in 2016.
  - Two students participated in state level ‘Awishkar’ competition in 2015.
  - One student represents University Volleyball Team.

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

- Dr. G. N. Warkhede, Head, Department of Zoology, SGB, Amravati University.
- Dr. K. B. Sainis, Sr. Scientist Bhabha Atomic Research Centre, Mumbai.

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

S. N.	Title/theme of Seminars/ Conferences/Workshops organized	Year	Funding Agency
01	National Seminar on Awareness and Application of Synchrotron Beamlines	25 <sup>th</sup> Jan 2016	Raja Ramanna Center for Advance Technology, Indore.
02	Seven Days Workshop on ‘Computer Literacy for Non Teaching Staff’.	07 -14 August 2013	Funded by College

03	Two Days Seminar on 'Biodiversity, Biology, New biological Trends and its Terminology in Science Writing.	3 <sup>rd</sup> & 4 <sup>th</sup> October 2012	Terminology Commission, Govt. of India, New Delhi.
04	One Day workshop on 'Scope of Syllabus of B.Sc. I and II Semester in Zoology.	7 <sup>th</sup> July 2012	In Association with Gondwana University, Gadchiroli.
05	One day National Conference on 'Current status of freshwater aquatic biology and wetland conservation'	2 <sup>nd</sup> Feb 2012	University Grant Commission, New Delhi.

26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.Sc.	69	69	08	61	88.40

27. Diversity of Students

100% of students are from the same state.

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

03 Students qualified NET and 02 students qualified SLET examination in Life Sciences.

29. Student progression: 20.28 %

30. Details of Infrastructural facilities

S. N.	Infrastructural Facilities	Status	Number
1.	Library	Books	Central Library: 1343 Departmental Library: 59
		Thesis	03
		IC Manuals	00
		Project Volumes	02
		Journals/magazines	20
2.	Internet facilities for staff and students	Desktop computer	02
		Laptops	01
3.	Class room with ICT facilities	Printer	02
		Scanner	01
		LCD projector	01
		Over Head projector	01
4.	Laboratories		02

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

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	22	10	08	09
2.	PTC	03	02	04	04
3.	STC	00	01	01	03
4.	Open merit	00	00	00	00
5.	GOI scholarship for SC/ST/OBC	54	89	148	186
6..	GOI free ship for BC	00	00	00	00
7.	Differently abled (Divyang)	00	00	00	00
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC free-ship	19	24	21	19

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

- ✦ Dr. K. B. Sainis, Senior Scientist, BARC, Mumbai,
- ✦ Mr. Ashok Selwatkar, Sr. Scientific Officer, National Terminology Commission, HRD Ministry, New Delhi.
- ✦ Dr. D. Mhaske, Principal, R.B. Boroawake, College, Srirampur, Maharashtra.
- ✦ Dr. C.J. Hiwre, Director, Sericulture Development Board, Nagpur.
- ✦ Dr. Narendra Deshmukh, Scientist. TIFR, Mumbai
- ✦ Dr. Amir Dhamani, Dean, Faculty of Science, Gondwana University, Gadchiroli,
- ✦ Dr. Suresh Bakare, Principal, Chairman BOS Zoology, Gondwana University, Gadchiroli.
- ✦ Dr. Madhawan. Sr. Scientist, Salim Ali Institute of Ornithology, Coimbtore

**33. Teaching methods adopted to improve student learning:**

Apart from conventional blackboard teaching method department adopts the use of new technological means such as Over Head Projector, Multimedia and use of ICT also.

- ✦ Chalk and talk method
- ✦ Chart display method
- ✦ Question & Answer method
- ✦ Specimen display method
- ✦ OHP method
- ✦ Image display method
- ✦ PPT method
- ✦ Field learning method

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

❖ **Institutional Social Responsibility (ISR)**

- ✦ Blood donation camp,
- ✦ Cataract operation camp
- ✦ Environmental awareness camp (Vriksha Dindi, etc)

**.Extension activities**

- ✦ Participation of Staff & Student in Green and Clean Campus.
- ✦ Staff and Students involve in all National, Social activities through NSS, NCC, Mahila Adhyayan, etc.

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

❖ **Strength**

- ✦ Qualified, Skilled, Experienced & Dedicated faculty.
- ✦ Conducive working atmosphere in the department.
- ✦ Committed and hardworking non- teaching staff.
- ✦ Disciplined and hardworking students.
- ✦ ICT facilities available.
- ✦ Teachers always intended for their academic elevation, pursue research in their field of interest.
- ✦ Department is recipient of UGC Grant for laboratory equipment's.

❖ **Weakness**

- ✦ Average students seek admission.
- ✦ Old and insufficient infrastructure.
- ✦ Skilled base job oriented programs

❖ **Opportunities**

- ✦ Remedial teaching to slow learners and economically weaker students.
- ✦ Providing opportunity to the students to interact with experts in the fields through Seminars, workshop, conferences, inter collegiate competition, science exhibition, visit to scientific laboratories.
- ✦ Research guidance facility available to students.
- ✦ The students are provided opportunities to participate in various intra and inter institutional activities.

❖ **Challenges**

- ✦ The students are admitted from the rural and backward area, it is difficult to inculcate the scientific and technological attitude in the students.
- ✦ Declining interest in pure science subjects.
- ✦ Improve the grasp of average students and slow learner.
- ✦ Skill development.

❖ **Future Plans**

- ✦ The department desires to start Center for Higher Learning and Research.
- ✦ More focus on research and extension activities.

## Evaluative Report of the Department: Economics

1. Name of the department: Economics
2. Year of Establishment: June 20,1964
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: B. A.
5. Annual/ semester/choice based credit system (programme wise): Semester Pattern
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	00	00
Asst. Professors	01	01

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

Name	Qualifications	Designation	No. of Years of Experience	No. of Ph. D. Students guided for the last 4 Years
Mr. N.K. Patil	M.A NET	Assistant Professor	09 years	Nil

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :Nil
13. Student -Teacher Ratio (programme wise):

215:1(As per total student strength of 2015-16)

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



15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D/ M. Phil. / P.G.:

S.N.	Name of Faculty	Qualifications
1	Mr. N.K. Patil	M.A., NET

16. Number of faculty with on-going projects from a) National  
b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc.  
And total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:  
❖ Publication per faculty- 06

Name of faculty	No. of Papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor	SNIP	IPP	SJR	h-index
	National	International							
Mr. N.K. Patil	04	02	-	-	-	-	-	-	-

20. Areas of consultancy and income generated: Nil
21. Faculty as members in:  
a) National committees, b) International Committees, c) Editorial Boards, Nil
22. Student projects:  
a. Percentage of students who have done in-house projects including interdepartmental /programme: Nil  
b. Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students: Nil
24. List of eminent academicians and scientists/visitors to the department: Nil
25. Seminars/ Conferences/Workshops organized & the source of funding: Nil
26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/ percentage
			M	F	
B.A.	28	28	12	16	96.43

27. Diversity of Students  
100% of students are from the same state.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? : Nil.
29. Student progression: UG to PG approximately: 17.6%
30. Details of Infrastructural facilities

S.N.	Infrastructural facilities	Particulars	Central Library	Departmental Library
a)	Library	Books	1588	27
b)	Internet facility	One computer with internet facility		
c)	Class room with ICT facilities	Class room has a provision of ICT facility		
d)	Laboratories	NA		

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

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	04	06	01	02
2.	PTC	00	00	00	00
3.	STC	01	00	00	00
4.	Open merit	00	00	00	00
5.	GOI scholarship for SC/ST/OBC	29	16	31	34
6..	GOI free ship for BC	17	14	01	31
7.	Differently abled (Divyang)	00	00	00	01
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC Free-ship	00	00	00	07

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

- Special Lectures of Dr. Ujwala Kaware was organized on “Child Labour”.
- Special Lectures Prof. Ravindra Shende was organized on ‘Economic Growth &Population”.
- Economics Quiz.
- Educational Tour in Hemalkasa.

**33. Teaching methods adopted to improve student learning:**

- Apart from conventional black board teaching method department adopts the use of the participatory methods such as, home

assignments, projects, seminars and new technological means such as Multimedia and use of ICT.

- Organization of student centric activities.

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

#### **❖ Institutional Social Responsibility (ISR)**

- Blood donation camp,
- Cataract operation camp.
- Environmental awareness camp (Vriksha Dindi etc).
- Participation in National Disaster (Kashmir relief Fund).
- Teachers work as Presiding Officers for the Election Commission of India.
- Students participated in voter awareness and electoral enrolment campaigns initiated by Government of Maharashtra.
- Programme officer of NSS.

#### **❖ Extension activities**

- Participation of Staff & Student in Green and Clean Campaign.
- Students and teachers have been actively involved in various National, Social activities through NSS, Mahila Adhyayan, etc.
- NSS Program Officer (2011-2015).
- Co-ordinate birth anniversary of National Leaders.

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

#### **❖ Strength**

- Parent institution's Goodwill in society for its major contribution in the field of social service.
- Good academic performance of the students.
- Spacious and green college campus.
- Qualified, Skilled, & Dedicated faculty
- Department with sufficient space
- Safe and secure environment for co-education
- Democratic functioning
- Interdepartmental cooperation
- Curricular and extracurricular activities
- Teachers pursuing research in their field of interest
- Use of ICT and Multimedia for Effective Teaching.

#### **❖ Weakness**

- Average students seek admission.
- Student's lack of interest and hard-work.
- Low job opportunities after the completion of programme.

❖ **Opportunities**

- To inspire and fill confidence in rural students.
- To inculcate courage by removing the fear of Economics.
- To make students aware of the importance of Economics.
- To provided opportunities to participate in various intra and inter institutional activities.
- To make students able for higher education and self-employment.

❖ **Challenges**

- Average students seek admission.
- To encourage and develop the average students and slow learner.

❖ **Future Plans**

- The department is going to organise a short term course, Net, Set classes, Competitive Exam Classes in the session 2016-17.
- To establish Digital Economics Lab.
- Organising various student centric programmes under Economics Literary Association.
- The department has applied for P. G. Programme in Economics.
- Organizing Workshops, Conferences, Seminar and Guest Lectures.

## Evaluative Report of the Department: History

1. Name of the department: History
2. Year of Establishment: June 20,1964
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: B. A.
5. Annual/ semester/choice based credit system (programme wise): Semester Pattern
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	01	01
Asst. Professors	00	00

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

Name	Qualifications	Designation	No. of Years of Experience	No. of Ph. D.Students guided for the last 4Years
Mr. A.B. Dhoke	M.A., M.Phil. NET, SET	Associate Professor	22 years	Nil

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 00%
13. Student -Teacher Ratio (programme wise): 95:1 (As per total student strength of 2015-16)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D/ M. Phil. / P.G.:

S.N.	Name of Faculty	Qualifications
1	Mr. A. B. Dhoke	M.A., M.Phil, NET, SET

16. Number of faculty with on-going projects from a) National  
b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:  
Publication per faculty-2011 onwards: 01

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor	SNIP	IPP	SJR	h-index
	National	International							
Mr. A.B. Dhoke	00	01	-	-	-	-	-	-	-

20. Areas of consultancy and income generated: Nil
21. Faculty as members in:  
a) National committees, b) International Committees, c) Editorial Boards, Nil
22. Student projects:  
a. Percentage of students who have done in-house projects including interdepartmental /programme:  
Students prepare syllabus based projects.
- b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:  
Nil
23. Awards / Recognitions received by faculty and students:  
Mr. Manoj Kale Gold Medal in History
24. List of eminent academicians and scientists/visitors to the department:  
Dr. Prakash Shende, HOD, History, Sardar Patel College, Chandrapur, Maharashtra
25. Seminars/ Conferences/Workshops organized & the source of funding:  
Nil
26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/ percentage
			M	F	
B.A.	66	66	28	38	93.55

27. Diversity of Students  
100% of students are from the same state.
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? : Nil.
29. Student progression: UG to PG approximately: 18%
30. Details of Infrastructural facilities

S.N.	Infrastructural facilities	Particulars	Central Library	Departmental Library
a)	Library	Books	1413	30
b)	Internet facility	One computer with internet facility		
c)	Class room with ICT facilities	Class room has a provision of ICT facility		
d)	Laboratories	NA		

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

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	03	17	02	02
2.	PTC	00	00	01	00
3.	STC	01	00	00	00
4.	Open merit		00	00	00
5.	GOI scholarship for SC/ST/OBC	83	73	88	100
6..	GOI free ship for BC	01	00	01	00
7.	Differently abled (Divyang)	00	00	00	00
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC free-ship	01	00	02	01

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

S.N.	Name of resource person	Topic	Date
1	Dr. Arvind Sawane, HOD, Zoology A.N. College, Warora	Origin of Life	10/08/2015
2	Dr. Shende, HDO History, Ambedkar College, Chandrapur	Recent trends in Historiography.	11/07/2014

Every year three students participate in one week workshop on Gandhian thoughts, at Gandhi Ashram, Wardha.

**33. Teaching methods adopted to improve student learning:**

- Apart from conventional black board teaching method department adopts the use of the participatory methods such as, home assignments, projects, seminars and new technological means such as Multimedia and use of ICT.
- Use of films and CDs based on the syllabus.

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

❖ **Institutional Social Responsibility (ISR)**

- Blood donation camp,
- Cataract operation camp
- Environmental awareness camp (Vriksha Dindi etc)
- Participation in National Disaster (Kashmir relief Fund)
- Teachers work as Presiding Officers for the Election Commission of India
- Students participated in voter awareness and electoral enrolment campaigns initiated by Government of Maharashtra.

❖ **Extension activities**

- Participation of Staff & Student in Green and Clean Campaign.
- Every year three students participate in one week workshop on Gandhian thoughts, at Gandhi Ashram, Wardha.
- Students and teachers have been actively involved in various National, Social activities through NSS, NCC, Mahila Adhyayan, etc.
- NSS Program Officers (2014-2016).

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

❖ **Strength**

- Parent institution's Goodwill in society for its major contribution in the field social service.
- Good academic performance of the students.
- Specious and green college campus.
- Qualified, Skilled, & Dedicated faculty
- Department with sufficient space
- Safe and secure environment for co-education
- Democratic functioning
- Interdepartmental cooperation
- Curricular and extracurricular activities
- Use of ICT and Multimedia for Effective Teaching.



❖ **Weakness**

- Average students seek admission.
- Student's lack of interest and hard-work.
- Low job opportunities after the completion of programme.

❖ **Opportunities**

- To inspire and build confidence in rural students.
- To provided opportunities to participate in various intra and inter institutional activities.

❖ **Challenges**

- To encourage and develop the average students and slow learner.

❖ **Future Plans**

- Increase the use of ICT in teaching.
- Department is going to organize NET/SET and competitive examination classes.
- To undertake Minor/Major research projects.

## Evaluative Report of the Department: Political Science

1. Name of the department: Political Science
2. Year of Establishment: June 20,1964
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: B. A.
5. Annual/ semester/choice based credit system (programme wise): Semester Pattern
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	01	01
Asst. Professors	00	00
CHB	01	01

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

Name	Qualifications	Designation	No. of Years of Experience	No. of Ph. D.Students guided for the last 4Years
Mr. T.N. Sutey	M.A., NET	Assistant Professor	17 years	Nil

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 27%
13. Student -Teacher Ratio (programme wise): 230:1(As per total student strength of 2015-16)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.
15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D/ M. Phil. / P.G.:

S.N.	Name of Faculty	Qualifications
1	Mr. T.N. Sutey	M.A., SET

16. Number of faculty with on-going projects from a) National  
b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:  
Publication per faculty-2011 onwards: 09

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor	SNIP	IPP	SJR	h-index
	National	International							
Mr. T.N. Sutey	06	03	-	-	-	-	-	-	-

20. Areas of consultancy and income generated: Nil
21. Faculty as members in:
  - a) National committees, b) International Committees, c) Editorial Boards, Nil
22. Student projects:
  - a. Percentage of students who have done in-house projects including interdepartmental /programme:  
Students are assigned projects based on syllabus.
  - b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students:  
Ku. Shalini Jengathe B.A. 'Gold Medallist' in Political science (2015-16) Gondwana University, Gadchiroli.
24. List of eminent academicians and scientists/visitors to the department:  
Nil
25. Seminars/ Conferences/Workshops organized & the source of funding:  
Nil
26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.A.	102	102	46	56	92.16

27. Diversity of Students  
100% of students are from the same state.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? : Nil.
29. Student progression: UG to PG approximately: 18.62%
30. Details of Infrastructural facilities

S.N.	Infrastructural facilities	Particulars	Central Library	Departmental Library
a)	Library	Books	2121	22
b)	Internet facility	One Laptop with internet facility		
c)	Class room with ICT facilities	Class room has a provision of ICT facility		

31. Number of students receiving financial assistance from college, University, Government or other agencies:

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	07	20	05	02
2.	PTC	-	-	01	-
3.	STC	00	-	-	-
4.	Open merit	--	-	-	-
5.	GOI scholarship for SC/ST/OBC	88	86	73	69
6..	GOI free ship for BC	58	55	68	81
7.	Differently abled (Divyang)	01	00	02	02
8.	Students' aid fund	-	-	-	
9.	Minority scholarship	-	-	-	
10	OBC free-ship				21

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts.  
Every year three students attend three days Student Parliament at MIT, Pune.

S.N.	Name of resource person	Topic	Date
1	Mr. Wamanrao Chatap, Ex MLA, Rajura Constituency	Pros and Cons of separate Vidarbha State.	
2	Dr. A.P. Sawane, HOD, Zoology Department, A.N. College, Anandwan	Origin and evolution of life and human being.	27 June 2016

**33. Teaching methods adopted to improve student learning:**

- Apart from conventional black board teaching method department adopts the use of the participatory methods such as, home assignments, projects, seminars and new technological means such as Multimedia and use of ICT.
- Use of films and CDs based on the syllabus.
- Organization of programs under Marathi Literary Club.

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

❖ **Institutional Social Responsibility (ISR)**

- Blood donation camp,
- Cataract operation camp
- Environmental awareness camp (Vriksha Dindi etc)
- Participation in National Disaster (Kashmir relief Fund)
- Teachers work as Presiding Officers for the Election Commission of India
- Students participated in voter awareness and electoral enrolment campaigns initiated by Government of Maharashtra.

❖ **Extension activities**

- Participation of Staff & Student in Green and Clean Campaign
- Students and teachers have been actively involved in various National, Social activities through NSS, NCC, Mahila Adhyayan, etc.
- Every year three students attend three days Student Parliament at MIT, Pune.

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

❖ **Strength**

- Parent institution's Goodwill in society for its major contribution in the field social service.
- Good academic performance of the students.
- Spacious and green college campus.
- Qualified, Skilled, & Dedicated faculty
- Department with sufficient space
- Safe and secure environment for co-education
- Democratic functioning
- Interdepartmental cooperation
- Curricular and extracurricular activities
- Teachers pursuing research in their field of interest
- Use of ICT and Multimedia for Effective Teaching

❖ **Weakness**

- Most of the students come from economically weaker section, and ill-connected rural areas.
- Average students seek admission.
- Student's lack of interest and hard-work.
- Low job opportunities after the completion of programme.

❖ **Opportunities**

- To inspire and build confidence in rural students.
- To provided opportunities to participate in various intra and inter institutional activities.

❖ **Challenges**

- Average students seek admission.
- To encourage and develop the average students and slow learner.

❖ **Future Plans**

- Increase the use of ICT in teaching.
- Organizing Workshops, Conferences, Seminar and Guest Lectures.
- To undertake Minor/Major research projects.
- The department has applied for P. G. Programme in Political Science.

## Evaluative Report of the Department: Sociology

1. Name of the department: Sociology
2. Year of Establishment: June 20,1964
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: B. A.
5. Annual/ semester/choice based credit system (programme wise): Semester Pattern
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	01	01
Asst. Professors	00	00
CHB	01	01

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

Name	Qualifications	Designation	No. of Years of Experience	Specialization	No. of Ph. D. Students guided for the last 4 Years
Dr. Mrs. R.H. Lad	M.A., M.Phil., Ph.D.	Associate Professor	20 years	Socio-cultural values of Madia, Gond tribes.	03

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 27%
13. Student -Teacher Ratio (programme wise): 197:1(As per total student strength of 2015-16)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D/ M. Phil. / P.G.:

S.N.	Name of Faculty	Qualifications
1	Dr. Mrs. R.H. Lad	M.A., M.Phil., Ph.D.
2	Ku. Manjusha K. Batki	M.A.

16. Number of faculty with on-going projects from a) National  
b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:  
Publication per faculty-2011 onwards: 04

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor	SNIP	IPP	SJR	h-index
	National	International							
Dr. Mrs. R.H. Lad	04	-	-	-	-	-	-	-	-

20. Areas of consultancy and income generated: Nil
21. Faculty as members in:  
a) National committees, b) International Committees, c) Editorial Boards, Nil
22. Student projects:  
a. Percentage of students who have done in-house projects including interdepartmental /programme: Nil  
b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students: Nil
24. List of eminent academicians and scientists/visitors to the department: Nil
25. Seminars/ Conferences/Workshops organized & the source of funding:

S.N.	Title	Date	Sponsoring Agency
01	Two Week Computer Literacy Training Programme For The Girls (Workshop)	22/07/2015to06/08/2015	Funded by Institution



26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.A.	82	82	29	53	94.25

27. Diversity of Students

100% of students are from the same state.

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

29. Student progression: UG to PG approximately 40 %

30. Details of Infrastructural facilities

S.N.	Infrastructural facilities	Particulars	Central Library	Departmental Library
a)	Library	Books	1572	-
b)	Internet facility	One computer with internet facility		
c)	Class room with ICT facilities	Class room has a provision of ICT facility		
d)	Laboratories	NA		

31. Number of students receiving financial assistance from college, University, Government or other agencies:

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	06	10	05	01
2.	PTC	00	00	00	00
3.	STC	00	00	00	00
4.	Open merit	00			
5.	GOI scholarship for SC/ST/OBC	143	127	131	125
6..	GOI free ship for BC	03	00	00	01
7.	Differently abled (Divyang)	00	00	00	01
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC free-ship	00	00	00	00

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

Academic Year	Title/Type of Programme	Names of Resource Person's (External)
2013-14	“Introduction To Sociology”,(07/10/2013)	Dr. SubhashToshaniwal, Head, Dept. Of Sociology, R.S. Mundle College Nagpur.
	“Problems of Child Labour” (07/10/2013)	Prof. Ujjawala Kaware, Head, Dept. of Sociology, Manoharrao Kamdi College, Nagpur
2014-15	Women Problems (16/01/2015)	Sou. Yogita Landge, Social Worker, Warora
	Women’s Empowerment, (22/01/2015)	Prof. Meghana Mehandale, Dhyansadhana Mahavidhyalay, Thane.
	Female Foeticide ,(19/03/2015)	Prof. Radha Sawane, Dept. of Botany, Anand Niketan College, Warora
2015-16	Organized workshop-Two Week Computer Literacy Training Programme For Girls.(22/07/2015 to 06/08/2015)	Prof. Mandal Dept. IT Teacher, Anand Niketan College, Warora.
	Workshop on “महिती तंत्रज्ञानात संगणकाची भूमिका”,(22/07/2015)	Prof. Dr. Milind Deshpande, Dept. of Physics, Anand Niketan College, Warora.

**33. Teaching methods adopted to improve student learning:**

Apart from conventional blackboard teaching method department adopts the use of new technological means such as Over Head Projector, Multimedia and use of ICT also.

- Chalk and talk method
- Chart display method
- Question and answer method
- Group discussion method
- Field learning method
- PPT method

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

❖ **Institutional Social Responsibility (ISR)**

- Blood donation camp,
- Cataract operation camp
- Environmental awareness camp (Vriksha Dindi & Tree plantation etc)
- Participation in National Disaster (Kashmir relief Fund)

❖ **Extension activities**

- Participation of Staff & Student in Green and Clean Campus.
- Students and teachers have been actively involved in various National, Social activities through NSS, NCC, Mahila Adhyayan Wa Sewa Kendra, Population Education Club, Sports Week Committee etc.

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

❖ **Strength**

- Qualified, Skilled, Dynamic & Dedicated faculty.
- Enthusiast and Encouraging Principal & Management.
- Interested and hardworking students.
- Safe and secure environment for co-education.
- Curricular and extracurricular activities.
- Social Goodwill of the Parent Institution.
- Parent Teachers interaction.
- Teachers always intended for their academic elevation, pursue research in their field of interest.

❖ **Weakness**

- Average students seek admission.

❖ **Opportunities**

- Academic and extension activities are encouraged.
- Guidance facility available for students.
- Regular Assessment by conducting Unit/ Common test and giving internal assessment.
- The students are provided opportunities to participate in various intra and inter institutional activities.

❖ **Challenges**

- Average students seek admission.
- To encourage and develop the average students and slow learner.

❖ **Future Plans**

- Increase the use of ICT in teaching.
- Organizing Workshops, Conferences, Seminar and Guest Lectures.

## Evaluative Report of the Department: Commerce

1. Name of the department: Commerce
2. Year of Establishment: June 20,1964
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: B.Com. Marathi and English medium.
5. Annual/ semester/choice based credit system (programme wise): Semester Pattern
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	-	-
Asst. Professors	03	03
CHB	07	07

10. Faculty profile with name, qualification, designation, specialization,

Name	Qualifications	Designation	No. of Years of Experience	No. of Ph. D.Students guided for the last 4Years
Dr. C.K. Jiwne	M.Com.,Ph.D.	Assist. Professor	15 Years	Nil
Mrs. K.K. Kale	M.Com.M.Phil	Assist. Professor	09 years	Nil
Mr.M.R.Chaudhary	M.Com.M.Phil	Assist. Professor	07 years	Nil
Mr. S. Tajne	M.Com.	Clock Hour Basis	02 years	Nil
Mr. D.Satone	M.Com., M.B.A., NET	Contract Basis	01	Nil
Mr. S. Gedekar	M.Com., NET	Contract Basis	01	Nil
Mr. N. Jogi	M.Com.	CHB	01	Nil
Miss. P. Pohane	M.Com.	CHB	01	Nil
Miss S.Shende	M.Com	CHB	01	Nil
Mr. Yewle	M.Com., M.B.A	CHB	01	Nil

(D.Sc./D.Litt. / Ph.D. / M. Phil. etc.,)

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 10%

13. Student -Teacher Ratio (programme wise):  
50:1(As per total student strength of 2015-16)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:N.A.
15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D/ M. Phil. / P.G.:

S.N.	Name of Faculty	Qualifications
1	Dr. C.K. Jiwne	M.Com.,Ph.D.
2	Mrs. K.K. Kale	M.Com., M.Phil
3	Mr.M.R.Chaudhary	M.Com., M.Phil
4	Mr. S. Tajne	M.Com.
5	Mr. D. Satone	M.Com., M.B.A., NET
6	Mr. S. Gedekar	M.Com., NET
7	Mr. N. Jogi	M.Com.
8	Miss. P. Pohane	M.Com.
9	Miss S. Shende	M.Com
10	Mr. Yewle	M.Com., M.B.A

16. Number of faculty with on-going 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 per faculty-2011 onwards: 10 per faculty

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor	SNIP	IPP	SIR	h-index
	National	International							
Dr. C. K. Jiwane	14	03	-	-	-	-	-	-	-
Mrs. K.K. Kale	04	01	-	-	-	-	-	-	-
Mr.M.R.Chaudhary	05	02	-	-	-	-	-	-	-

20. Areas of consultancy and income generated:Nil
21. Faculty as members in:
  - a) National committees, b) International Committees, c) Editorial Boards, Nil
22. Student projects:
  - a. Percentage of students who have done in-house projects including interdepartmental /programme: Nil
  - b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/visitors to the department:  
Nil
25. Seminars/ Conferences/Workshops organized & the source of funding:  
Nil
26. Student profile programme/course wise:

Name of the Course/programme	Applications Received(2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.Com.	64	64	28	36	95.31

27. Diversity of Students  
100% of students are from the same state.
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? :  
Two Students of the department have cleared SET and one NET.
29. Student progression: UG to PG approximately 40 %
30. Details of Infrastructural facilities

S.N.	Infrastructural facilities	Particulars	Central Library	Departmental Library
a)	Library	Books	4817	--
b)	Internet facility	One computer with internet facility		
c)	Class room with ICT facilities	Class room has a provision of ICT facility		
d)	Laboratories	NA		

31. Number of students receiving financial assistance from college, University, Government or other agencies:

S. N.	No. of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	25	13	11	08
2.	PTC	00	00	00	00
3.	STC	00	00	00	00
4.	Open merit	00	00	00	00
5.	GOI scholarship for SC/ST/OBC	98	126	227	303
6..	GOI free ship for BC	00	00	00	00
7.	Differently abled (Divyang)	00	00	00	00
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC free-ship	12	09	09	07

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

**33. Teaching methods adopted to improve student learning:**

Lecture method, seminars, dictation and question answer methods are used for improvement of learning process.

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

❖ **Institutional Social Responsibility (ISR)**

- Blood donation camp,
- Cataract operation camp
- Environmental awareness camp (Vriksha Dindi etc)
- Participation in National Disaster (Kashmir relief Fund)
- Teachers work as Presiding Officers for the Election Commission of India
- Students participated in voter awareness and electoral enrolment campaigns initiated by Government of Maharashtra.

❖ **Extension activities**

- Participation of Staff & Student in Green and Clean Campaign
- Students and teachers have been actively involved in various National, Social activities through NSS, NCC, Mahila Adhyayan, etc.

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

❖ **Strength**

- Parent institution's Goodwill in society for its major contribution in the field social service.
- Good academic performance of the students.
- Specious and green college campus.
- Qualified, Skilled, & Dedicated faculty
- Department with sufficient space
- Safe and secure environment for co-education
- Democratic functioning
- Interdepartmental cooperation
- Curricular and extracurricular activities
- Teachers pursuing research in their field of interest
- Use of ICT and Multimedia for Effective Teaching

❖ **Weakness**

- Average students seek admission.
- Student's lack of interest and hard-work.
- Low job opportunities after the completion of programme.

❖ **Opportunities**

- To inspire and build confidence in rural students.
- To provided opportunities to participate in various intra and inter institutional activities.

❖ **Challenges**

- Average students seek admission.
- To encourage and develop the average students and slow learner.

❖ **Future Plans**

- Increase the use of ICT in teaching.
- Organizing Workshops, Conferences, Seminar and Guest Lectures.
- To undertake Minor/Major research projects.



## Evaluative Report of the Department: English

1. Name of the department: English
2. Year of Establishment: June 20,1964
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: B.A., B. Com., B. Sc.
5. Annual/ semester/choice based credit system (programme wise): Semester Pattern
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	-	-
Asst. Professors	04	04
CHB	02	02

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

Name	Qualifications	Designation	No. of Years of Experience	No. of Ph. D.Students guided forthe last 4Years
Mr. A.N. Barde	M. A.,SET	Assistant Professor & Head	11 years	Nil
Mr. P. M. Bansod	M. A., SET	Assistant Professor	16 years	Nil
Mr. A.L. Pandhare	M. A., SET	Assistant Professor	08 years	Nil
Mr. S.V. Tiple	M. A., SET, NET	Assistant Professor	02 years	Nil

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 20%

13. Student -Teacher Ratio (programme wise):

Programme	Total Students	Student-Teacher ratio
B. A.	662	108:1
B. Com.	190	32:1
B. Sc.	259	43:1

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

15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D./ M. Phil. / P.G.:

S.N.	Name of Faculty	Qualifications
1	Mr. A.N. Barde	M. A., SET
2	Mr. P. M. Bansod	M. A., SET
3	Mr. A.L. Pandhare	M. A., SET
4	Mr. S.V. Tiple	M. A., SET,NET

16. Number of faculty with on-going projects from a) National  
b) International funding agencies and grants received:

S. N.	Name of Faculty member	Duration	Funding Agency	Grant Sanctioned	Status
01	Mr. A.N. Barde	2015-2017	UGC	2,00,000/-	Ongoing

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 per faculty-2011 onwards: **05**

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor	SNIP	IPP	SJR	h-index
	National	International							
A.N. Barde	06	01	-	-	-	-	-	-	-
P. M. Bansod	05	Nil	-	-	-	-	-	-	-
A.L. Pandhare	05	01							
S. V. Tiple	Nil	Nil							

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

21. Faculty as members in:

- a) National committees, b) International Committees, c) Editorial Boards,  
Nil
22. Student projects:
- a. Percentage of students who have done in-house projects including interdepartmental /programme:  
Students are assigned projects based on syllabus.
- b. Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students:

Mr. A. L. Pandhare has received the “State level Best NSS Programme Officer Award” given by Govt. of Maharashtra, 2006.

24. List of eminent academicians and scientists/visitors to the department:  
Prof. M. K Gupta, (Professor English) Lokmanya Tilak College Wani.
25. Seminars/ Conferences/Workshops organized & the source of funding:

The department successfully organized a National conference entitled “Ecocriticism: Developing Environmental Consciousness through English Studies”, on 2<sup>nd</sup> February 2012, funded by UGC (Grant Sanctioned Rs. 67000/-).

26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.A.	110	110	48	62	83.33%
B.Com.	138	138	63	75	51.70
B.A. English Literature	28	28	16	12	96.43%
B.Sc.	242	242	71	171	80.61
B.Sc. Supplementary English	15	15	03	12	93.75

27. Diversity of Students  
100% of students are from the same state.

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

10 Students and a teacher of the department have cleared NET/SET since 2012.

S.N.	Name of Student	UG Passing Year	Exam Qualified	Placement
1	Mr. Pravin Thamke	2004	SET- 2012, JRF 2013	Maharashtra State Social Welfare Dept.'s School, Wani
2	Mr. Mohit Sawe	2005	NET-2012, Dec- 2012	Asst. Prof. Vivekanand College, Bhadrawati
3	Mr. Manoj Madavi	2005	NET- 2012	Asst. Prof.
4	Mr. Dilip Bawne	2006	NET- 2012	Asst. Prof. Arts & Comm. College, Tukum, Chandrapur
5	Mr. Ravi Gajbhiye	2006	NET- 2012	Asst. Prof.
6	Mr. Kishor Mahajan	2007	NET- 2012	Assit. Prof. Ambedkar college, Chandrapur
7	Mr. Dipak Wakde	2008	NET- 2012	Assit. Prof., Mumbai
8	Mr. Ajay Kite	2008	NET- 2013 SET- 2013	Asst. Prof., L. T. College, Wani
9	Mr. Prithviraj Khobragade	2008	SET- 2014	Contributory Lecturer, Paoni
10	Ashish Katore	2010	SET-2015	Asst. Prof. Chintamani College, Ghuggus
11	P. M. Bansod (Faculty)	-	SET -2015	Asst. Prof., A.N. College

29. Student progression: UG to PG approximately: 25 %

30. Details of Infrastructural facilities

S.N.	Infrastructural facilities	Particulars	Central Library	Departmental Library
a)	Library	Books	2578	Nil
b)	Internet facility	Five computer and two laptops with internet facility		
c)	Class room with ICT facilities	Class room has a provision of ICT facility		
d)	Laboratories	--		

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

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	07	24	07	03
2.	PTC	00	00	01	00
3.	STC	01	00	00	00
4.	Open merit	00	00	174	00
5.	GOI scholarship for SC/ST/OBC	164	151	03	192
6..	GOI free ship for BC	03	00	00	02
7.	Differently abled (Divyang)	00	00	00	01
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC free-ship	00	00	00	00

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

- A video presentation of the Shakespearean play “The Merchant of Venice” was organized for the students under English Literary Club, on 8<sup>th</sup> October 2015.
- A guest lecture by Prof. Dr. M. K. Gupta, Dept. of English, Lokmanya Tilak College, Wani, was organized on “Why/ How to study Literature” on the occasion the inauguration of English Literary Club, on 23 September 2014.
- A guest lecture of Dr. M. S. Deshpande, Head, Dept. of Physics, ANC, was organized on ‘The Origin of Universe and our Changing Conceptions about its Structure’ on 25<sup>th</sup> September 2013.

**33. Teaching methods adopted to improve student learning:**

- Apart from conventional black board teaching method department adopts the use of the participatory methods such as, home assignments, projects, seminars and new technological means such as Multimedia and use of ICT.
- Use of films and CDs based on the syllabus.
- Organization of programs under English Literary Club.

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

#### **❖ Institutional Social Responsibility (ISR)**

- Blood donation camp,
- Cataract operation camp
- Environmental awareness camp (Vriksha Dindi etc)
- Participation in National Disaster (Kashmir relief Fund)
- Teachers work as Presiding Officers for the Election Commission of India
- Students participated in voter awareness and electoral enrolment campaigns initiated by Government of Maharashtra.

#### **❖ Extension activities**

- Participation of Staff & Student in Green and Clean Campaign
- Students and teachers have been actively involved in various National, Social activities through NSS, NCC, Mahila Adhyayan, etc.
- Two teachers (A. L. Pandhare & A. N. Barde) held the positions of NSS Program Officers (2005-2011).

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

#### **❖ Strength**

- Parent institution's Goodwill in society for its major contribution in the field social service.
- Good academic performance of the students.
- Specious and green college campus.
- Qualified, Skilled, & Dedicated faculty
- Department with sufficient space
- Safe and secure environment for co-education
- Democratic functioning
- Interdepartmental cooperation
- Curricular and extracurricular activities
- Teachers pursuing research in their field of interest
- Use of ICT and Multimedia for Effective Teaching

#### **❖ Weakness**

- Average students seek admission.
- Student's lack of interest and hard-work.
- Low job opportunities after the completion of programme.

#### **❖ Opportunities**

- To inspire and fill confidence in rural students.
- To inculcate courage by removing the fear of English language.
- To make students aware of the importance of English language.
- To provided opportunities to participate in various intra and inter institutional activities.

❖ **Challenges**

- To remove English phobia found among the rural and backward students.
- Declining interest in traditional graduate courses.
- To encourage and develop the average students and slow learner.
- To improve skills of foreign language use among rural students

❖ **Future Plans**

- The department is going to organize a short term spoken English course in the session 2016-17.
- To establish Digital English Language Lab.
- Increase the use of ICT in teaching.
- To increase student participation in English listening, speaking, reading and writing through organizing various programmes under English Literary Association.
- The department has applied for P. G. Programme in English.
- Organizing Workshops, Conferences, Seminar and Guest Lectures.
- To undertake Minor/Major research projects.

## Evaluative Report of the Department: Marathi

1. Name of the department: Marathi
2. Year of Establishment: June 20,1964
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: B. A., B. Com., B. Sc.
5. Annual/ semester/choice based credit system (programme wise): Semester Pattern
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	-	-
Asst. Professors	02	02
CHB	02	02

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

Name	Qualifications	Designation	No. of Years of Experience	No. of Ph. D.Students guided for the last 4Years
Shri B. B. Awaghade	M.A(Mar) NET	Assistant Professor	09 years	Nil
Miss. M. V. Manohar	M.A(Mar) NET. M. Phil	Assistant Professor	09 years	Nil

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :18%
13. Student -Teacher Ratio (programme wise): 110:1(As per total student strength of 2015-16)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.



15. Qualifications of teaching faculty with D.Sc./ D.Lit. / Ph.D/ M. Phil. / P.G.:

S.N.	Name of Faculty	Qualifications
1	Shri B. B. Awaghade	M.A.,NET
2	Miss. M.V. Manohar	M.A. NET, M. Phil
3	Miss. C.S. Gangras (CHB)	M.A. SET
4	Miss. C. Bhaisare (CHB)	M.A.

16. Number of faculty with on-going 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 per faculty-2011 onwards: 04 per faculty

Name of faculty	No. of papers Published		Publications listed in International Data base (SCOPUS)	Citations	Impact Factor	SNIP	IPP	SJR	h-index
	National	International							
Mr. B.B. Awaghade	00	01	-	-	-	-	-	-	-
Miss. M.V. Manohar	04	02	-	-	-	-	-	-	-

20. Areas of consultancy and income generated: Nil
21. Faculty as members in:  
a) National committees, b) International Committees, c) Editorial Boards,  
Nil
22. Student projects:  
a. Percentage of students who have done in-house projects including interdepartmental /programme: Nil  
b. Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students: Nil
24. List of eminent academicians and scientists/visitors to the department:  
  - Dr. Rajan Jaiswal, HOD, Marathi, Nagbhir Govindrao Warjurkar College, Nagbhir.
  - Dr. Dhanaraj Khanorkar, HOD, Marathi, N.H. College, Bramhpuri
  - Prof. Shrikant Patil, Ex-HOD, A N College, Warora
25. Seminars/ Conferences/Workshops organized & the source of funding:  
Nil

26. Student profile programme/course wise:

Name of the Course/programme	Applications Received (2015-16)	Selected	Enrolled		Pass/percentage
			M	F	
B.A.	119	119	42	77	92.27
B.A. Marathi Literature	33	33	30	03	93.75
B.Sc. Sem-I	225	225	63	162	93.33
B.Com. Sem-III	138	138	65	73	82.81

27. Diversity of Students

100% of students are from the same state.

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

01 Students of the department have cleared NET/SET since 2015.

29. Student progression: UG to PG approximately 40 %

30. Details of Infrastructural facilities:

S.N.	Infrastructural facilities	Particulars	Central Library	Departmental Library
a)	Library	Books	6030	170
b)	Internet facility	One computer with internet facility		
c)	Class room with ICT facilities	Class room has a provision of ICT facility		
d)	Laboratories	--		

31. Number of students receiving financial assistance from college, University, Government or other agencies:

S. N.	No of students receiving financial assistance				
	Scholarship	2012-13	2013-14	2014-15	2015-16
1.	EBC	07	28	10	03
2.	PTC	00	00	02	00
3.	STC	01	00	00	00
4.	Open merit	00	00	00	00
5.	GOI scholarship for SC/ST/OBC	200	171	147	219
6..	GOI free ship for BC	28	18	32	35
7.	Differently abled (Divyang)	05	09	-	09
8.	Students' aid fund	00	00	00	00
9.	Minority scholarship	00	00	00	00
10	OBC free-ship	01	00	13	00

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

Guest lectures organised by Marathi literary club at ANC, Warora

S.N.	Name of resource person	Topic	Date
1	Dr. Rajan Jaiswal, HOD, Marathi, Govindrao Warjurkar College, Nagbhir.	Marma Marathiche	24/9/2013
2	Dr. Dhanaraj Khanorkar, HOD, Marathi, N. H. College, Bramhpuri	Jhadiputti bolitil Kavya	30/9/2014
3	Prof. Shrikant Patil Ex-HOD, A N College, Warora	Mai Marathi	27/02/2016

**33. Teaching methods adopted to improve student learning:**

- Apart from conventional black board teaching method department adopts the use of the participatory methods such as, home assignments, projects, seminars and new technological means such as Multimedia and use of ICT.
- Use of films and CDs based on the syllabus.
- Organization of programs under Marathi Literary Club.

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

❖ **Institutional Social Responsibility (ISR)**

- Blood donation camp,
- Cataract operation camp
- Environmental awareness camp (Vriksha Dindi etc)
- Participation in National Disaster (Kashmir relief Fund)
- Teachers work as Presiding Officers for the Election Commission of India
- Students participated in voter awareness and electoral enrolment campaigns initiated by Government of Maharashtra.

❖ **Extension activities**

- Participation of Staff & Student in Green and Clean Campaign
- Students and teachers have been actively involved in various National, Social activities through NSS, NCC, Mahila Adhyayan wa Sewa Kendra and Loksankhya Shikshan etc.
- Prof. B.B, Awaghade held the positions of NSS Program Officers (2005-2011) and Prof M V Manohar held the position of Mahila Adhyayan co-programme officer 2007 till date and held the position of Population Education Club, Co-Programme Officer 2007 till date.

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

#### ❖ Strength

- Parent institution's Goodwill in society for its major contribution in the field social service.
- Good academic performance of the students.
- Spacious and green college campus.
- Qualified, Skilled, & Dedicated faculty
- Department with sufficient space
- Safe and secure environment for co-education
- Democratic functioning
- Interdepartmental cooperation
- Curricular and extracurricular activities
- Teachers pursuing research in their field of interest
- Use of ICT and Multimedia for Effective Teaching

#### ❖ Weakness

- Average students seek admission.
- Student's lack of interest and hard-work.
- Low job opportunities after the completion of programme.

#### ❖ Opportunities

- To inspire and build confidence in rural students.
- To provided opportunities to participate in various intra and inter institutional activities.

#### ❖ Challenges

- Average students seek admission.
- To encourage and develop the average students and slow learner.

#### ❖ Future Plans

- Increase the use of ICT in teaching.
- Organizing Workshops, Conferences, Seminar and Guest Lectures.
- To undertake Minor/Major research projects.



**SUPPORT FACILITIES &  
EXTENSION ACTIVITIES**

## Library

- 1. Name of the department:** Library  
**2. Year of Establishment:** June 20, 1964  
**3. Number of teaching/equivalent posts:**

Teaching Post	Sanctioned	Filled
Librarian (Professors)	00	00
Librarian (Associate Professors)	00	00
Librarian (Asst. Professors)	01	01

- 4. Profile of Library staff:**  
**a. Librarian:**

S. N.	Librarian	Qualifications	Designation	Experience (Years)
01	Dr. S. N. Sable	MA(Eco), M. Lib. I. Sc., NET, Ph.D., MH-CIT.	Librarian	23

- b. Supporting Staff:**

S. N.	Library Staff	Qualifications	Designation	Experience (Years)
01	Shri B.V. Sakhare	M.A.(Soc.), B. Lib. I. Sc., MH-CIT, Typing	Library Clerk	12
02	Shri V.L. Vaidya	S.S.C.	Library Attendant	36
03	Shri. R.B. Tarale	B.Com., C. Lib. Sc.	Library Attendant	25
04	Shri. H.F. Khudsange	B.S.W.	Library Attendant	25
05	Shri. S.B. Chimurkar	M.A. (His.), C. Lib. Sc.	Library Attendant	12
06	Shri. R.L. Meshram	S.S.C.	Laboratory Assistant	36
07	Smt. M. N. Magare	VI Std.	Peon	12

- 5. Publications:**

05 Research papers presented and published in proceedings.

- 6. Awards / Recognitions received by faculty and students:**

Dr. S.N. Sable received NUCLA-Librarian of the year 2010, award given by RTM Nagpur University Librarian's Association, Sponsored by S. Chand and Company, Nagpur.

**7. Library Sub-Committee:**

Dr. M.C. Kale	Principal-Chairman
Dr. M.S. Deshpande	Member
Prof. A.B. Dhoke	Member
Dr. C.K. Jiwane	Member
Prof. A.N. Barde	Member
Prof. U.N. Galkar	Member
Prof. S.P. Buran	Member
Dr. S.N. Sable	Librarian-Secretary

**8. Details of Infrastructural facilities**

Total Library Area	
Built-up Area:	402.97 Sq.mts. (4337.53 Sq.fts.)
Carpet Area:	378.58 Sq.mts. (4075.00 Sq.fts.)

Particulars	Area in Sq. Mts.
Reading Room	90.05
Reference Section	42.90
Internet/E-Resources Section	18.33
Staking Area	161.18
Issue Counter Area	13.42
Librarian Chamber	11.84
Lobby Area	28.02
Wash Area	02.54
Porch	10.30
Total Carpet Area	378.58
Computers with internet facility	05
Dewey Decimal Classification (DDC) 19 <sup>th</sup> edition.	
LIBMAN –Library Management Software, Nagpur	

**9. Library Collection (on 31 March 2016)**

Text books, Reference & General Collection	38159
Book Bank Scheme	5215
Bound Volumes of Journals	707
Total	44081
No. of Journals / Periodicals	49
No. of Newspapers	No. of Newspapers
Audio Cassettes	19
Video Cassettes	06
Floppies & CD's	88

**10. Working hours of library:**❖ **Library Hours**

Monday to Friday: 8.00 a.m. to 4.00 p.m.

Saturday: 8.00 a.m. to 1.00 p.m.

❖ **Issue Hours**

Monday to Friday: 8.30 a.m. to 3.00 p.m.

Saturday: 8.30 a.m. to 11.30 p.m.

**11. List of Daily Newspapers:**

S.N.	Daily newspapers	Language
1	The Times of India	English
2	The Hitwada	English
3	Navbharat	Hindi
4	Dainik Bhaskar	Hindi
5	Lokmat	Marathi
6	Tarun Bharat	Marathi
7	Loksatta	Marathi
8	Lokshahi Varta	Marathi
9	Maharashtra Times	Marathi
10	Sakal	Marathi
11	Deshonnati	Marathi
12	Punyanagari	Marathi
13	Mahavidarbha	Marathi
14	Chandrapur Samachar	Marathi

**12. Total number of volumes added from 2011-2016:**

Year	General Collection	Book Scheme	Bank	Bound Journal Volumes	Total
Up to March 2011	34,172	5,070		565	39,807
2011- 2012	1,392	115		26	1533
2012- 2013	633	-		22	655
2013-2014	673	-		34	707
2014-2015	801	-		32	833
2015-2016	488	30		28	546
<b>Total</b>	<b>38,159</b>	<b>5,215</b>		<b>707</b>	<b>44,081</b>



**13. Library expenditure on reading materials (2012-2016):**

Library Holdings	2011-12	2012-13	2013-14	2014-15	2015-16
Text, reference and general books	4,30,809	1,10,423	78,086	1,87,112	1,30,438
Journals and periodicals	19,804	21,030	20,718	27,462	29,090
e-resources	5000	5000	5000	5000	5000
Daily newspapers and other reading materials	14,669	15,728	18,472	18,899	24,114
Total cost of library books as on 31 <sup>st</sup> march 2016:			<b>Rs. 39,32,943.30/-</b>		

**14. Total Numbers of Subject wise Books (as on 31<sup>st</sup> March 2016):**

S.N.	Subject	Total No. of Books
01	General Science	169
02	Physics	2490
03	Chemistry	2935
04	Mathematics	2450
05	Botany	1883
06	Zoology	1932
07	Electronics	1026
08	Sociology	1512
09	Political Science	2061
10	History	1413
11	Economics	1588
12	Commerce	4817
13	Marathi	6030
14	English	2578
15	Hindi	1786
16	Reference Books (including encyclopedia/dictionaries etc.)	692
17	General Books	2797

**15. List of Journals and Periodicals:**

	Science and Technology	Language	Periodicity
1	National Geographic	English	Monthly
2	Resonance – A Journal of Science Education	English	Monthly
3	Current Science	English	Fortnightly
4	Indian Journal of Pure & Applied Physics	English	Monthly
5	Journal of Chemical Sciences	English	Bi-Monthly
6	Journal of Bio-Sciences	English	Quarterly
7	Sanctuary Asia	English	Bi-monthly
8	Electronics for You	English	Monthly
9	Physics for You	English	Monthly

10	Chemistry Today	English	Monthly
11	Mathematics Today	English	Monthly
12	Biology Today	English	Monthly
13	Science Reporter	English	Monthly
14	Vigyan Pragati	Hindi	Monthly
15	Marathi Vidhyan Parishad Patrika	Marathi	Monthly

Social Sciences & Commerce		Language	Periodicity
16	Economic & Political Weekly	English	Weekly
17	Kurukshetra	Hindi	Monthly
18	Samaj Prabodhan Patrika	Marathi	Quarterly
19	Navbharat	Marathi	Monthly
20	Aajcha Sudharak	Marathi	Monthly
21	Itihas Sanshodhan Patrika	Marathi	Yearly
22	Dhnyangangotri	Marathi	Quarterly
23	Yojana	Marathi	Monthly
24	Arthsamwad	Marathi	Quarterly
25	Udyojak	Marathi	Monthly

Language & Literature		Language	Periodicity
26	Indian Literature	English	Bi-Monthly
27	Maharashtra Sahitya Patrika	Marathi	Quarterly
28	Yugwani	Marathi	Quarterly
29	Aksharvaidarbhi	Marathi	Quarterly
30	Lalit	Marathi	Monthly
31	Sahitya Suchi	Marathi	Monthly
32	Bhasha Aani Jee	Marathi	Quarterly

Career Guidance & Competitive Exams.		Language	Periodicity
33	Employment News	English	Weekly
34	Competition Success Review	English	Monthly
35	Pratiyogita Darpan	Hindi	Monthly
36	Spardha Pariksha – Noukari Sandrbha	Marathi	Monthly
37	Spardha Pariksha – General Knowledge	Marathi	Monthly

Current Affairs/General and Recreation		Language	Periodicity
38	University News	English	Weekly
39	Frontline	English	Fortnightly
40	Reader's Digest	English	Monthly
41	India Today(Hindi)	Hindi	Weekly
42	Lokrajya	Marathi	Monthly

43	Amrut	Marathi	Monthly
44	Antarnad	Marathi	Monthly
45	Anubhav	Marathi	Monthly
46	Miloon Saryajani	Marathi	Monthly
47	Saptahik Sakal	Marathi	Monthly
48	Sadhana	Marathi	Weekly
49	Shikshan Sankraman	Marathi	Weekly

### 16. Issue statistics:

Year	No. of Books Issued
2011-12	9639
2012-13	12067
2013-14	13053
2014-15	14168
2015-16	14341

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

- Dr. P.S.G. Kumar, former University Librarian, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
- Dr. D. Rajyalaxmi, Professor and Head, Department of Library and Information Science, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
- Prof. S. Seetharaman, former Head, Documentation Research and Training Centre, Bangalore.
- Prof. Sarojkumar Kesarwani, Visiting Faculty Member, Dept. of Library and Information Science, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

### 18. Activities/Programmes conducted:

- **Marathi Readers Contest**–
  - ✦ ‘Prof. V. R. Jog Memorial State Level Marathi Readers Contest’ was organized on 13<sup>th</sup> Nov. 2011 to enhance the reading habits among the readers. This is a regular activity since 2008.
  - ✦ The contest was organized on 2<sup>nd</sup> February, 2014, for Sr. and Jr. College student of Warora City. The winners of the contest, Ku. Shruti Ganorkar, Ku. Sanobar Sheikh, Shri. Atul Kale and Shiddheshwar Nagtode were honoured with prizes.
- **Best Reader Award** – Every year a best reader award is given to inculcate reading habit in students.
  - ✦ Shri. Prashik Kosankar, B.Sc. II year, and Ku. Mamata Soyam, XII Std. (2011-12).
  - ✦ Ku. Sanobar Sheikh of B. A. I (2012-13).
  - ✦ Ku. Trupti S. Ladke, XII Std. (2013-14).
  - ✦ Shri Ganesh Thakre & Ku. Pranali Atole of B.A. III (2015-16).

- **Book Exhibition–**
  - ✦ Theme-‘Aamchi Granthsampada’, an individual book collection of Staff Members purchased under Granthbisi Scheme organized on 20<sup>th</sup> Sept. 2011.
  - ✦ Theme- Personality Development, Career Guidance & Competitive Exams Literature, organized on 21<sup>st</sup> Jan. 2013.
  - ✦ Theme- Life & Works of Mahatma Jyotiba Fule, Dr. Babasaheb Ambedkar & Dr. A. P. J. Abdul Kalam, organized on 15<sup>th</sup> Feb. 2016.
- **Guest Lecture on Reading Culture-** Shri. Narendra Lanjewar, Renowned Librarian and author from Buldana delivered a lecture on reading culture on 17<sup>th</sup> February, 2014. Prof. Shrikant Patil, President, Lok Shikshan Sanstha, Warora, was the chief guest.
- **Sadhana Diwali Special** – The Issues of Sadhana Diwali Special is distributed to students at 50% discounted price since 2014-15.

#### **19. Available Facilities /Services offered**

- Home issue of books (on borrower’s ticket).
- Reading room service (books, journals, periodicals, newspapers and other .reading material is available and issued on demand in reading room).
- Reference section (leading reference sources are available).
- Book bank scheme (on merit basis).
- Full deposit scheme (during exam. period only).
- External membership scheme (home issue of books on deposit to external PG student, researchers and students preparing for competitive examinations).
- Inter library loan (on demand).
- Internet / e-resources services.
- Reprography service (on demand).

#### **20. Facilities available for national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? :**

Library facility is extended to internal and external students preparing for the various competitive exams like MPSC, UPSC, SET, NET, GATE and other competitive examinations like Banking, Railway, Staff Selection Commission etc. and entrance examination of various courses. The External Membership Scheme was introduced in 1999. Total 277 external students have been benefited by the end of 2015-2016. Some of the students have cleared the MPSC, NET, SET and other exams.

## 21. SWOC analysis of the department and Future plans

### ❖ Strength

- College library having the collection of 44081 books, 49 Journals and periodicals with 14 daily newspapers.
- Independent and well equipped library building having various sections.
- Qualified and experienced Library Staff.
- Availability of leading and classic reference and information sources.
- Sufficient number of text, reference and general books for the use of student, staff and other users of library.
- Good collection of Competitive examination books.
- No. of prominent services with Book Bank Scheme, Full Deposit Scheme, External Membership to PG Students, researcher and students preparing for competitive exams.
- Internet facility with N-List programmer of INFLIBNET

### ❖ Weakness

- Increasing cost of books and other reading material.
- Database creation of books and other reading material.
- OPAC facility to the library users.
- Computerization of issue and return of books.

### ❖ Opportunities

- Best library user Award.
- Organization of lectures on reading culture.
- Organization of Book Exhibitions.
- Marathi reader's Contest.

### ❖ Challenges

- Inculcate reading habits among the students.
- Declining use of reference books, journals and general reading material.
- Weeding out of old text books and other obsolete books.

### ❖ Future Plans

- Open Access to all library users.
- Total computerization of library.
- Bar-coding of library collection.
- Extension of library building.

## **Mahila Adhyayan wa Sewa Kendra and Loksankhya Shikshan Mandal**

(महिला अध्ययन व सेवा केंद्र, लोकसंख्या शिक्षण मंडळ)

❖ **Program-Officer Mahila Adhyayan Wa Sewa Kendra:**

Dr. Ranjana H. Lad

❖ **Program-Officer Loksankhya Shikshan Mandal:**

Miss. Mokshada Manohar

- ✚ Mahila Adhyayan Wa Sewa Kendra, comparatively a recent establishment of the Extension Department, came into being on September 20, 2001, as an extension activity.
- ✚ Women empowerment is the key issue of modern India. Women are to be given advanced technical and scientific knowledge along with the soft skills so that they can also be a part of Nation Building activity. Mahila Adhyayan Wa Sewa Kendra, focuses on these issues for the overall personality development of women and carries out various special activities which can enable them to face the competition around them.
- ✚ Population explosion is, probably, the single great problem India has been facing since its independence. Population education not only aims at enlightening the students, and through them the common people, about the hazards of excessive growth of human race within a very limited geographical space and time, but it deems it more pertinent to teach the people, through its students, about the proper family care and, in larger perspective, social care.
- ✚ The programmes and projects of Mahila Adhyayan Wa Sewa Kendra and Population Education incorporate and execute keeping their decided objectives in mind are enunciated below:

S.N.	Activity	Programme	Resource Person	Date
1	International Literacy Day	Health Checkup Camp, Blood group and Health checkup camp	Dr. Bharti Sable, Anandwan.	08-09-2011
2	Workshop	Mehandi Prakshikshan and competition	Miss. Prachi Date	20-08-2011 to 27-08-2011 (one week)
3	Savitribai Phule Jayanti	Women Empowerment	Mrs. Yogita Landge	03-01-2011
4	Workshop	Yog Shibir	Ghantali Mitra Mandal, Thane	21,22-08-2012
5	International Literacy Day	Counseling workshop on health	Healing Foundation, Nagpur	08-09-2012
6	Savitribai Phule Jayanti	'Mi Kanyaka'	Prof. Radha Sawane	03-01-2013
7	Swami Vivekanand Jayanti	Life and Work of Swami Vivekananda	Prof. Ramesh Wakde	12-01-2012
8	Savitribai Phule Jayanti, Workshop	'Stri Suraksha'	Miss. Narmadatai Pendor and Mrs. Yogita Landge	03-01-2013
9	Workshop	Self-Employability skill-Varieties of home decoration items	Dr. Smita Patterkine and Prof. Arti Tiwari	10 <sup>th</sup> and 11 <sup>th</sup> , Oct. 2014.
10	Savitribai Phule Jayanti, Seminar	Life and Work of Savitribai Fule.	Dr. Ranjana Lad	03-01-2014
11	International Women's Day	Status of women the past and present.	Prof. Meghna Mehendale	08-03-2015
12	Seminar	Women health and Hygiene	Sau Pallavi Amte	12-01-2016
13	Workshop on personality development	Be the Change	Dr. Kamini Gogari	26,27-01-2016

## National Cadet Corps (NCC)

❖ In-charge :

- ✚ Dr. C.K. Jiwane, (Major)  
21, Maharashtra Battalion, Wardha
- ✚ Dr. Miss D.S. Panchbhai (Care taker)  
3, Maharashtra Girls Battalion, Nagpur

❖ Strength:

- ✚ Unit-I: 21, Maharashtra Battalion, Wardha  
Cadets-108
- ✚ Unit-II: 03, Maharashtra Girls Battalion, Nagpur,  
Girl Cadets-50

Prosperity and progress of the nation depend upon the young generation. NCC instills the discipline in young minds to play an important role for the development of nation.

The basic perception of NCC, is not only to militarize the youth, but through its multidimensional and value oriented objectives. NCC infuses defense consciousness, aims at molding the character of youth and grooms them to achieve all-round personality. It tries to develop in them the best of mental, moral and physical fitness and imparts all the qualities of an ideal citizen in an organized and well planned manner keeping in view, its motto “Unity and Discipline”. NCC plays a vital role in developing qualities of discipline, selfless service, and spirit of friendship, adventure, leadership and secularism among the college students. Living together in camp infuses the integrity for various cultures, costumes and traditions.

### NCC TRAINING:

NCC provides general introduction, organization, philosophy of training, NCC Song & incentives for NCC Cadets. The cadets are imparted the following training.

- National Integration.
- Foot Drill.
- Drill with Arms.
- Weapon Training.
- Leadership.
- Civil Affairs.
- Disaster Management.
- Social Service.
- Health and Hygiene.
- Adventure activities.
- Environment and Ecology.



- Self Defense.
- Posture Training.
- Introduction to Armed Forces.
- Map Reading.
- Field Engineering.
- Field Craft and Battle Craft.
- Military History.
- Communication.
- Obstacle Training.
- Home Nursing.
- Introduction to Infantry Weapons etc.

**NCC CAMPS:**

- Combined Annual Training Camp.
- Pre-R.D. Selection Camp.
- National Integration Camp.
- Trekking Camp.
- Army Attachment Camp.
- Social Service Camp.

**SOCIAL SERVICE ACTIVITIES:**

- Blood Donation Camp.
- Tree Plantation.
- Cleanliness Drive.
- Eye-Camp

**INCENTIVES FOR NCC CADETS:**

- Vacancies reserved for Direct Commission in Defense Forces for NCC 'C' Certificate, through SSB.
- Bonus marks 5 to 10% awarded for ORs, Sailors, Airman recruitment.
- In para military Forces 2 to 10 bonus marks are awarded for recruitment.
- The Department of Telecommunication also awards bonus marks in recruitment.
- NCC Cadets holding degree are eligible for recruitment as gazetted officers in CRPF.
- Some Industries give preference to NCC 'C' certificate holders for various jobs.
- Cadets Welfare Society provides financial assistance and relief to NCC cadets, who sustain injury/death during NCC activities.
- NCC provides scholarship to academically brilliant NCC cadets.
- Best Cadet Awards etc.

**Achievements:**

1. NCC Cadets successfully participated in various NCC camps like RD Selection Camp, Thal Sainik Camp, Trekking Camp, and National Integration Camp and Annual Training Camp.
2. NCC Cadets passed NCC 'B' & 'C' Certificate Examination in large number every year.
3. NCC Cadets joined Army, BSF, Central Industrial Security Force, CRPF and state Police Force etc.

**21, MAHARASHTRA BATTALION  
ENROLMENT REPORT**

**Authorized Strength 108 out of which 33% is reserved for girls cadets.**

Year	Enrolled	I Year		II Year		III Year		Total		Remarks
		M	F	M	F	M	F	M	F	
2011-12	108	35	20	40	13	-	-	75	33	2 years NCC
2012-13	108	43	15	33	17	-	-	76	32	2 years NCC
2013-14	81	34	11	25	11	-	-	59	22	
Policy has been changed from 2 Years NCC to 3 years										
2014-15	84	40	08	26	10	-	-	66	18	-
2015-16	108	25	11	31	07	25	09	81	27	-
2016-17	108	32	11	25	11	24	05	81	27	-

**CAMP ATTENDED****2011-12:**

S. N.	Name of NCC Camp	Place	Period	No of Cadets participated		Total
				SD Cadets	SW Cadets	
1	TSC-I	Nagpur	June 2011	09	-	09
2	ATC	Wardha	Aug-2011	12	-	12
3	NIC ( West Bengal)	Burdwan	Oct; 2011	03	02	05
5	NIC Mumbai	Mumbai	Oct; 2011	02	-	02
6	ATC	Wardha	Nov 2011	11	12	23
7	Army Attachment Camp	Kamptee	Jan 2012	03	-	03
			Total	40	14	54

**CAMP ATTENDED  
2012-13:**

S. N.	Name of NCC Camp	Place	Period	No of Cadets participated		Total
				SD Cadets	SW Cadets	
1	Thal Sainik Camp	Nagpur	June & July 2012	10	-	10
2	Annual Training Camp	Wardha	August 2012	40	-	40
3	Annual Training Camp	Wardha	August 2012	-	15	15
4	RD Selection Camp	Nagpur	August 2012	10	-	10
5	Trekking Camp(shivaji Trek)	Kolhapur	Dec. 2012	01	-	01
6	Annual Training Camp	Nagpur	Dec. 2012	-	15	15
7	Army Attachment Camp	Kamptee	Jan. 2013	10	-	10
8	Trekking Camp	Tamilnadu	May 2013	-	04	04
			Total	71	34	105

**CAMP ATTENDED  
2013-14:**

S. N.	Name of NCC Camp	Place	Period	No of Cadets participated		Total
				SD Cadets	SW Cadets	
1	Thal Sainik Camp (CATC-II)	Nagpur	29 June to 8 July 2013	10	-	10
2	Thal Sainik Camp (CATC-III)	Nagpur	29 June to 8 July 2013	-	10	10
3	Thal Sainik Camp (CATC-IV)	Nagpur	11-21 July 2013	05	-	05
4	Thal Sainik Camp (CATC-VII)	Nagpur	24 July to 04 Aug. 2013	05	-	05
5	Annual Training Camp	Wardha	05-13 Aug 2013	-	05	05
6	Annual Training Camp	Wardha	01-12 Sept 2013	15	-	15
7	RD Selection Camp	Nagpur	20-29 Sept 2013	-	05	05
8	RD Selection Camp	Nagpur	03-10 Oct 2013	-	05	05
9	Army Attachment Camp	Kamptee	18-30 Nov 2013	05	-	05
			Total	40	25	65

**CAMP ATTENDED  
2014-15**

S.N.	Name of NCC Camp	Place	Period	No of Cadets participated		Total
				SD Cadets	SW Cadets	
1	Thal Sainik Camp (CATC)	Wardha	17 Jun to 26 Jun 2014	-	10	10
2	RD Selection Camp	Nagpur	19 July to 28 July 2014	05	-	05
3	RD Selection Camp	Nagpur	19 July to 28 July 2014	-	02	02
4	National Integration Camp	Nagpur	21 July to 30 July 2014	01	-	01
5	Thal Sainik Camp (CATC)	Nagpur	29 July to 08 Aug 2014	-	02	02
6	RD Selection Camp	Nagpur	19 Aug to 28 Aug 2014	-	03	03
7	Annual Training Camp	Wardha	12 Sept to 21 Sept 2014	05	-	05
8	Annual Training Camp	Wardha	12 Sept to 21 Sept 2014	-	05	05
9	Annual Training Camp	Wardha	21 Jan to 31 Jan 2015	05	-	05
10	Annual Training Camp	Nagpur	08 Feb to 18 Feb 2014	-	05	05
				16	27	43

**CAMP ATTENDED  
2015-16**

S.N.	Name of NCC Camp	Place	Period	No of Cadets participated		Total
				SD Cadets	SW Cadets	
1	CACT	Nagpur	Jun 2015	10	05	15
2	CACT	Nagpur	July 2015	-	05	05
3	Trekking Camp	Punjab	July 2015	-	02	02
4	CACT	Nagpur	July 2015	-	05	05
5	CACT	Nagpur	Aug 2015	10	-	10
6	Trekking Camp	Tamilnadu	Dec 2015	02	-	02
7	CACT	Wardha	Feb 2016	23	-	23
8	CACT	Wardha	Feb 2016	-	05	05
9	Army Attachment Camp	Pune	April 2016	05	-	05
			Total	50	22	72

**NCC "B" CERTIFICATE EXAMINATION RESULT**

Year	Appeared		Passed		Total	Percentage
	Boys	Girls	Boys	Girls		
2011-2012	21	13	18	11	29	85%
2012-2013	32	12	26	11	37	84%
2013-2014	-	-	-	-	-	'B' Cert not held
2014-2015	26	10	21	09	30	83%
2015-2016	34	05	25	04	29	74%

**NCC "C" CERTIFICATE EXAMINATION RESULT**

Year	Appeared		Passed		Total	Percentage
	Boys	Girls	Boys	Girls		
2011-2012	19	10	18	06	24	82%
2012-2013	21	09	05	03	08	26%
2013-2014	20	11	17	10	27	87%
2014-2015	-	-	-	-	-	'C' Cert not held
2015-2016	20	09	06	03	09	31%

**LIST OF CADETS JOINED ARMED FORCES**

S. N.	Year	Reg. No	Name	Year of Enrolment
1	2011-12	08/158023	Garish P. Yelekar	2008
		08/158025	Ishwar H. Nakshine	2008
		09/158036	Vishal T. Kaswate	2009
		10/158042	V. R. Parate	2010
2	2012-13	10/158035	N. G. Mahakulkar	2010
		10/158064	Rahul J. Gahukar	2010
		10/158019	Satish D. Nalbhimwar	2010
		10/158022	Pramod S. Randai	2010
3	2013-14	10/158066	Ranjit V. Warbhe	2010
		10/158021	Manohar G. Zade	2010
		10/158250	Prakash Rai	2010
		11/158111	Prashant Dahule	2011
4	2014-15	12/158102	Praful Lohakare	2012
		12/158037	Mahesh D. Chaukhe	2012
		12/158039	Shubham A. More	2012
		13/157884	Mohan G Chaukhe	2013
		13/157894	Sanket Sarpate	2013
5	2015-16	13/158482	Bhushan S Shende	2013
		13/157884	Monhanto Chaukhe	2013

**03, MAHARASHTRA GIRLS BATTALION,  
NCC, NAGPUR  
ENROLMENT REPORT**

Year	Authorized Strength	Enrolled Strength	I year	II Year	III year	Remark
2012-13	40	40	40	--	--	2 years NCC
2013-14	50	46	30	16	--	Policy changed to three Years NCC
2014-15	50	33	17	16	--	
2015-16	50	50	21	14	15	

**CAMP ATTENDED: 2012-13**

S. N.	Name of NCC Camp	Place	Period	No. of Cadets participated
1	Annual Training Camp	Nagpur	16 Nov. to 25 Nov.	40
2	Annual Training Camp	Nagpur	24 Nov. to 3 Dec.	40
3	Annual Training Camp	Nagpur	16 Jan to 26 Jan	17

**CAMP ATTENDED: 2013-14**

S. N.	Name of NCC Camp	Place	Period	No of Cadets participated
1	Trekking Camp	Tamil Nadu	May 21to 30 May	3
2	Thal Sainik Camp (CATC-I)	Nagpur	29 June -8 July 2013	3
4	Thal Sainik Camp (CATC-II)	Nagpur	20-30July 2013	10
7	Thal Sainik Camp (CATC-II)	Nagpur	24 July to 2 Aug	10
9	RD Selection Camp	Nagpur	20 Sep. to 29 Sep.	2

**CAMP ATTENDED: 2014-15**

S. N.	Name of NCC Camp	Place	Period	No of Cadets participated
1	Annual Training Camp	Somanath	15 Dec. to 24 Dec.	08

**CAMP ATTENDED: 2015-16**

S. N.	Name of NCC Camp	Place	Period	No of Cadets participated
1	CATC	Nagpur	12 May to 22 May	13
2	CATC	Nagpur	19 July to 28 July	02

**NCC "B" CERTIFICATE EXAMINATION RESULT**

Year	Appeared	Passed	Percentage
2012-2013	34	30	88.23
2013-2014	Examination not conducted by NCC		
2014-2015			
2015-2016	13	11	84.61

**NCC "C" CERTIFICATE EXAMINATION RESULT**

Year	Appeared	Passed	Percentage
2012-2013	--	--	--
2013-2014	11	07	72.72
2014-2015	Examination not conducted by NCC		
2015-2016	3	0	0

## National Service Scheme (NSS)

<b>Programme Officer:</b>	Mr. B.B. Awaghade	(2011-12)
	Mr. N.K. Patil	(2012-14)
	Mr. A.B. Dhoke	(2014-16)
	Mrs. K.K. Kale	(2016-17)
<b>Co-Programme officer:</b>	Mr. A. P. Wakulkar	(2016-17)
<b>Strength:</b>	<b>Two Units</b> of 100 students each.	

- ❖ Recipient of State Level 1<sup>st</sup> prize NSS Unit, 1995.
- ❖ Recipient of Best NSS Unit, RTM Nagpur University, Nagpur, 2005-06.
- ❖ Recipient of State Level Best NSS Programme Officer Award- Mr. A.L. Pandhare, 2006

NSS is an important platform for student development. It exposes the students to the ways of community living and makes the students aware of rural problems. NSS also inspires the students to take part in rural development and inculcates the quality of leadership among the students. NSS encourages the students to promote the will to serve weaker sections of the community. The motto 'Not I But You' is achieved through various social activities conducted by the NSS which are enlisted as follows.

- ✚ **NSS Training Workshop:** At the beginning of the session, student registration and training workshop is organized. Detailed information regarding the various activities of NSS is given to the students. The students are addressed by Principal as well as NSS Programme Officer regarding the conduct and their approach towards social issues.
- ✚ **Independence Day celebration:** Principal of the college gave oath of national integrity to the students. The cultural unit of NSS presented patriotic songs.
- ✚ **Clean and Green Campus:** The College has beautiful campus and to maintain it, volunteers of NSS take part in collection of waste plastic material, eradication of weeds, regular maintenance of internal roads and ground. These activities inculcate dignity of labour in students.
- ✚ **Sadbhavana Pandharwada:** On the occasion of birth anniversary of Late Prime Minister Mr. Rajiv Gandhi Sadbhavana Pandharwada is celebrated. On this occasion, one seminar on the topic National Integration was organized. Competition on patriotic songs, Poster competition on National Integration, tree plantation and essay competition was organized. Guest lecture on sustainable farming was delivered by Prof. A.W. Parkhi.
- ✚ **NSS Foundation Day:** College NSS unit celebrates foundation day every year. On the occasion every year guest lecture is organized: Ex. Principal A.M. Dongre, Prof. Shrikant Patil, Prof. Rambhau Parkhi delivered lectures.



- ✚ **Yoga and Personality Development workshop:** A workshop on personality development and Yoga was organized in the college by NSS unit. Yog Guru Mr. Dipak Shiv was present as chief guest of the programme.
- ✚ **Mahatma Gandhi and Lal Bahdur Shastri Jayanti:** NSS unit of the college celebrates Mahatma Gandhi and Lal Bahdur Shastri Jayanti on 2<sup>nd</sup>, October. In this programme, lecture on Work is Worship was organized, followed by Shramdan for three hours.
- ✚ **Sustainable Farming Workshop:** Most of the students are from farmer family. Mr. Nitin Barekar and Mr. Kishor Wargantiwar enlightened the students on the importance of sustainable farming.
- ✚ **Visit to Anandwan Projects:** A visit was organized by NSS unit to Anandwan to get the inspiration on ‘Charity Destroys and Work Builds’ from the various projects running in Anandwan. On this occasion Dr. Supriya Suley delivered a lecture on Female Foeticide.
- ✚ **Workshop on Snakes:** In this workshop Mr. Ritesh Rajanhire gave the information regarding poisonous and non-poisonous snakes.
- ✚ **National Constitution Day:** The constitution day was celebrated to make the students apprised of Indian Constitution. Mr. Shrikant Patil was the chief guest of the occasion.
- ✚ **Cataract Camp:** The volunteers of the NSS unit rendered their services in the ‘ten day eye camp’ organized at Anandwan. In this camp, every year around two thousands patients are operated free of cost and their complete pre and post operation care is taken by NSS volunteers.
- ✚ **Poster and Rangoli competition:** A rangoli and poster competition was organized to provide the platform for the hidden potential and showcase the talents of the students. The students presented the posters on environment, AIDS, cleanliness, farmers’ suicide, drug and alcohol abuse etc. About 153 students participated in this competition.
- ✚ **Swami Vivekanand Birth Anniversary:** Swami Vivekanand birth anniversary is celebrated as ‘National Youth Day’. On this occasion, student seminar was organized in which 23 students participated. Dr. Milind Deshpande was chief guest on the occasion. Guest lecture are organized on the occasion, Prof. S.J. Patil, Mr. A.L. Pandhre spoke on the occasion.
- ✚ **Participation in Different Camps:** In the session of 2011-12, nine volunteers of NSS unit participated in university level NSS camp and six students in state level camp. In the session 2012-13 three students participated in University level NSS camp. In the year 2014, two students participated in state level workshop organized by Forest Department. Two NSS volunteers represented university in 8<sup>th</sup> State level ‘Gandhi Vichar Shibir’ at Jalana.
- ✚ **Republic Day celebration:** The cultural unit of NSS presented patriotic songs followed by Shramdan in college campus.

- ✚ **Visitors to NSS unit:** Anand Niketan College NSS unit being recipient of State Level 1<sup>st</sup> prize Winner NSS units of different colleges visit and interact with the college unit.
- ✚ **College level NSS camps:** A week long, residential camp is organized every year. Around 120 students participate in the camp along with faculty. Daily routine of the camp starts at 5.30 am with *Chintan*, *Jagradindi*, followed by *Yogasana*. The morning session is concluded with *Shramdan* in which cleaning of drainage system, roads etc. is carried out. Similarly activities like preliminary works for construction of new roads, toilets, check-dams, deepening of lakes, de-silting etc. are performed. Noon session starts with the lectures on various social subjects by eminent personalities, followed by sports in the evening. The last session comprises of Cultural Programmes. In all the activities of the camp villagers participate with enthusiasm.
- ❖ **2011-12**  
College NSS camp was organized between 23<sup>rd</sup> to 30<sup>th</sup> December 2011, on the theme '*Rashtrasant Tukdoji Maharaj Gramonnati Abhiyanasathi Yuva Shakti*' at Wadadha, District Chandrapur. About 120 students actively participated in this camp.

S.N.	Name of Resource Person	Topic
1.	Prof. Rambhau Parkhi	Nirmal Gram Swachha gram (निर्मल ग्राम स्वच्छ ग्राम)
2.	Mr. Kishor Chaudhari	Value based education
3.	Mr. Bhaurao Vaidya	Gramoonati Abhiyan
4	Mr. G.K. Mandaokar	Gramoonatiani Yuva
5	Mr. Pradip Shastrakar	Soil and water conservation

❖ **2012-13**

College NSS camp was organized between 23/12/2012 to 30/12/2012 on the theme '*Gramonnati wa Jagar Janiwansathi Yuva Shakti Shibr*(ग्रामोन्नती व जागर जाणिवांसाठी युवा शिबीर)' at Makona, District Chandrapur. About 120 students actively participated in this camp.

S.N.	Name of Resource Person	Topic
1.	Mr. R.B Parkhi	Nirmal Gram Swachha Gram (निर्मल ग्राम स्वच्छ ग्राम)
2.	Mr. Ramesh Wakde	Gram sudharana wa Yuvak (ग्राम सुधारणा व युवक)
3.	Dr. Pramod Gampawar	Gramin Arogya (ग्रामीण आरोग्य)
4	Miss. Narmadatai Pendore	Stri Bhrun Hatya (स्त्री भ्रूण हत्या)

❖ **2013-14**

College NSS camp was organized between 02/01/2014 to 09/01/2014, on the theme '*Rashtrant Tukdoji Maharaj Gramonnati sathi Yuva Shakti Shibr*' ( राष्ट्रसंत तुकडोजी महाराज ग्रामोन्नती साठी युवा शक्ती शिबीर) at Chargaon, District Chandrapur. About 120 students actively participated in this camp.

S.N.	Name of Resource Person	Topic
1.	Prof. Rahul Rakhe	Tarunnano Pudhe Vha
2.	Mrs. Mayawati Joshi	Female foeticide
3.	Prof. Ramesh Wakde	De addiction and personality development
4	Mrs. Yogita Landge	Women Empowerment

Guest lecture was organized on Science behind miracles, Mr. P.N. Jadhav, President District Andha Shradha Nirmulan Society delivered the talk.

❖ **2014-15**

College NSS camp was organized between 31/01/2015 to 07/02/2015, on the theme '*Swachha Bharat wa Gramonnati Abhiyana Sathi Yuva Shakti*' ( स्वच्छ भारत व ग्रामोन्नती अभियाना साठी युवा शक्ती) at Kharwad, District Chandrapur. About 120 students actively participated in this camp.

S.N.	Name of Resource Person	Topic
1.	Mr. Haribhau Lohkare	Yuvaka Samoril Awhane(युवका समोरील आव्हाने)
2.	Mr. Sudhakar Petkar	Andhashradhha Nirmulan(अंधश्रद्धा निर्मूलन )
3.	Mrs. Yogita Landge	Mahila Sakshamikaran(महिला सक्षमीकरण)

Selection Camp for participation in NSS Republic Day Parade was organized in the institution. NS coordinators of the University Prof. Natthu Girde, Prof. V. Bansod, Prof. Gote, Dr. Chandramouli graced the occasion.

**2015-16**

College NSS camp was organized between 05/02/2016 to 12/02/2016, on the theme '*Samata wa Samajik Nyayasathi Yuvashakti*' (समता व सामाजिक न्यायासाठी युवा शक्ती) at Charurkhati, District Chandrapur. About 120 students actively participated in this camp.

S.N.	Name of Resource Person	Topic
1.	Mrs. Sunandatai Jiwode	Mahila Sakshamikaran(महिला सक्षमीकरण)
2.	Dr. Asawari Deotale	Gramin Bhagatil Kishorwayin Mulinche Arogya (ग्रामीण भागातील किशोरवयीन मुलींचे आरोग्य)
3.	Mr. Sudhakar Petkar	Andhashradhha Nirmulan(अंधश्रद्धा निर्मूलन )
4	Mrs. Yogita Landge	Yuvakasamoril Awhane(युवका समोरील आव्हाने)

## Physical Education

1. Name of the department: Physical Education
2. Year of Establishment: June 20,1964
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: B.Sc., B.A., B.Com
5. Annual/ semester/choice based credit system (programme wise): Semester Pattern
6. Number of Teaching posts:
- 7.

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	00	00
Asst. Professors	01	00
CHB	03	03

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

Name	Qualification	Designation	No. of Years of Experience
Mr. R.S. Satone	M.Com. M. P. Ed.	CHB	04
Mr. S. Ghubade	M. P. Ed.	CHB	03
Mr. G. Babhulkar	M.A.M. P. Ed.	CHB	03

8. Number of academic support staff (technical) and administrative staff; sanctioned and filled: One attendant
9. Budget details:

S.N.	Session	Budget
01	2012-13	1,58,482
02	2013-14	1,40,166/-
03	2014-15	1,36,076/-
04	2015-16	1,64,242,-

10. Student Achievements:

### 11 Participation in All India Inter University Tournament, Sports Festival (Colour Holder):

Session	Name	Class	Games	Place	Date
2012-13	Akash .B. Date	B.A.-I	Kho-Kho	Nagpur	17 Jan To 21 Jan 2013
	Praful .B. Siwarkar	B.A.-I	Kho-Kho	Nagpur	
	Narendra P Darwe	B.Com-I	Kabbadi	Nagpur	
	Pooja D Rokade	B.Sc-I	Volley-ball	Nagpur	
	Apeksha S Sharma	B.Sc-I	Volley-ball	Nagpur	
	Pragati B Kamde	B.Sc-I	Volley-ball	Nagpur	
	Varsha C Chincholkar	B.Sc-I	Volley-ball	Nagpur	
	Narendra B Date	B.A.-I	Athletics	Nagpur	
	Atul S Amade	B.A.-I	Athletics	Nagpur	
	Manisha N Mandawkar	B.A.-I	Athletics	Nagpur	
2013-14	Akash. B. Date	B.A.-II	Kho-Kho	Maharashtra University of Health Sciences Nasik	27 Nov To 01 Dec 2013
	Dhanjay G Sonune	B.A.-II	Kho-Kho		
	Nutan N Awaghade	B.A.-II	Kho-Kho		
	Renuka R Nikure	B.A.-II	Kho-Kho		
	Renuka R Nikure	B.A.II	Kabbadi		
	Narendra B Date	B.A.II	Athletics		
	Nutan N Awaghade	B.A.II	Athletics		
	Anita M Zade	B.A.II	Athletics		
	Rama S Barde	B.A.II	Athletics		
	Karishama J Khayare	B.A.II	Athletics		
Shubhangi B Pijdurkar	B.A.II	Athletics			
2014-15	Roshan B Dhoke	B.Sc I	Volley ball	Rajasthan	11-14 Oct 2014
	Divya P Dhoke	B.Sc I	Volley ball	Aurangabad	27 Nov to 01 Dec 2014
	Pooja K Bawariya	B.ComI	Kho-Kho	Aurangabad	
	Rajnandini.S.Bopanwar	B.A.II	Kho-Kho	Aurangabad	
	Ganray P Chaudhari	B.Sc I	Kho-Kho	Aurangabad	
	Sarju k Wadde	B.A.II	Kho-Kho	Aurangabad	
	Amar N Sathhare	B.Sc III	Athletics	Aurangabad	
Rajnandini.S.Bopanwar	B.A.II	Athletics	Aurangabad		
2015-16	Shrikant Y Lohakare	B.Com I	Kho-Kho	Nanded	27 Nov to 01 Dec 2015
	Shubham A Parchake	B.Com I	Kho-Kho	Nanded	
	Shubham D Wankar	B.Com I	Kho-Kho	Nanded	
	Parmanand S Kirame	B.Sc III	Kho-Kho	Nanded	
	Sushama. A. Chaudhari	B.Com I	Kho-Kho	Nanded	
	Pooja K Bawariya	B.Com II	Kho-Kho	Nanded	
	Rajnandini. S .Bopanwar	B.A.III	Kho-Kho	Nanded	
	Kiran M Kayarkar	B.Sc III	Athletics	Nanded	
	Sushama. A. Chaudhari	B.Com I	Athletics	Nanded	
	Manidarsing A Thakur	B.A.I	Chess	Aurangabad	01-04 Oct. 2015
Divyani P Shonawane	B.Sc I	Volley ball	Amravati	19-23 Jan 2016	
Komal I Chandekar	B.Sc I	Volley ball	Amravati		

**B. Participation in State Level Tournament**

Session	Name	Class	Games	Place	Date
2012-13	---	---	---	---	---
2013-14	Bhushan. K. Surywanshi	B.Sc II	Kho-Kho	Anand Niketan College Warora	22 Jan To 24 Jan 2014
	Dhanjay.G.Sonwane	B.A.II	Kho-Kho		
	Akash .B. Date	B.A.II	Kho-Kho		
	Sarju. K. Wadde	B.A.I	Kho-Kho		
	Nutan. N. Awaghade	B.A.I	Kho-Kho		
	Rajnandini.S.Bopanwar	B.A.I	Kho-Kho		
	Anita. M. Zade	B.A.I	Kho-Kho		
	Rama. S. Barde	B.A.I	Kho-Kho	Bhai Neharaji Chashak Ratanagiri	2 March To 5 March
	Nutan. N. Awaghade	B.A I	Kho-Kho		
	Rajnandini.S.Bopanwar	B.A I	Kho-Kho		
	Anita. M. Zade	B.A I	Kho-Kho		
2014-15	Bhushan. K. Surywanshi	B.Sc III	Kho-Kho	Nagpur	14 Nov. To 16 Nov
	Shubham. A. Parchake	12 <sup>th</sup> Com	Kho-Kho		
	Dhanjay.G.Sonwane	B.A.II	Kho-Kho		
	Rajnandini.S.Bopanwar	B.A.II	Kho-Kho		
	Pooja.K.Bawariya	B.ComI	Kho-Kho		
2015-16	Shubham. A. Parchake	B.ComI	Kho-Kho	Buldhana	6Nov To 8Nov
	Shrikant.Y. Lohakare	B.ComI	Kho-Kho		
	Dhanjay. G. Sonwane	B.A.II	Kho-Kho		
	Pooja. K. Bawariya	B.ComII	Kho-Kho		
	Sushama. A. Chaudhari	B. ComI	Kho-Kho		
	Pallavi.G.Jambhule	B.A.I	Kho-Kho		

**C. Participation in National Level Tournament**

Session	Name	Class	Games	Place	Date
2012-13	--	--	--	--	--
2013-14	Bhushan k Suryanwanshi	B.Sc.II	Kho-Kho	Goa	--
	Rama S Barde	B.AII		Goa	--
2014-15	--	--	--	--	--
2015-16	--	--	--	--	--

**D. Individual / Team Performance in Sports at University Level**

Session	Games	Section	Tournament	Position
2012-13	Kho-kho	Men	Inter Collegiate Chandrapur	1 <sup>st</sup>
	Kho-kho	Women	Inter Collegiate Chandrapur	3 <sup>rd</sup>
	Volley-ball	Men	Inter Collegiate Chandrapur	
	Volley-ball	Women	Inter Collegiate, Warora	2 <sup>nd</sup>
	Kabbadi	Men	Inter Collegiate Chandrapur	

	Athletic	Men	Inter Collegiate Chandrapur	1 <sup>st</sup>	
	Athletic	Women	Inter Collegiate Chandrapur	1 <sup>st</sup>	
	Athletic	Men	Inter Collegiate Chandrapur		
	4*400m relay	Men	Inter Collegiate Chandrapur	1 <sup>st</sup>	
	4*100m relay	Men	Inter Collegiate Chandrapur	2 <sup>nd</sup>	
	4*400m relay	Women	Inter Collegiate Chandrapur	1 <sup>st</sup>	
	4*400mRelly	Women	Inter Collegiate Chandrapur	1 <sup>st</sup>	
	<b>Individual Performance in University Level Tournament</b>				
	100m.Running	Bhushan .K. Suryavanshi		2 <sup>nd</sup>	
	200m.Running	Bhushan .K. Suryavanshi		1 <sup>st</sup>	
	Shot put	Kuldeep .S. Nimkar		1 <sup>st</sup>	
	Disc throw	Kuldeep .S. Nimkar		2 <sup>nd</sup>	
	Jawalin throw	Kuldeep .S. Nimkar		2 <sup>nd</sup>	
	800.m	Manisha.N. Madawarkar		1 <sup>st</sup>	
	100.m	Rina M. Dighore		1 <sup>st</sup>	
	2013-14	Kho-Kho	Men	Inter Collegiate Bhadrawati	1 <sup>st</sup>
Kho-Kho		Women	Inter Collegiate Bhadrawati	2 <sup>nd</sup>	
Kabbadi		Men	Inter Collegiate Vhyhad		
Volley-Ball		Men	Inter Collegiate Visapur		
Volley-Ball		Women	Inter Collegiate Visapur		
4*400m.Relly		Women	Inter Collegiate Chandrapur	1 <sup>st</sup>	
4*400m.Relly		Women	Inter Collegiate Chandrapur	1 <sup>st</sup>	
Athletic		Women	Inter Collegiate Chandrapur	1 <sup>st</sup>	
Athletic		Men	Inter Collegiate Chandrapur	1 <sup>st</sup>	
<b>Individual Performance in University Level Tournament</b>					
High-jump		Rama. S. Barde		1 <sup>st</sup>	
High-jump		Anita .M. Zade		2 <sup>nd</sup>	
100m.Running		Bhushan .K. Suryawanshi		2 <sup>nd</sup>	
2oom .Running		Bhushan .K. Suryawanshi		2 <sup>nd</sup>	
Shot-put		Kuldeep .S. Nimkar		1 <sup>st</sup>	
Disc throw		Kuldeep .S. Nimkar		3 <sup>rd</sup>	
Jawalin throw	Kuldeep .S. Nimkar		2 <sup>nd</sup>		
2014-15	Volley-ball	Men	Inter Collegiate Bhadrawati		
	Volley-ball	Women	Inter Collegiate Chandrapur		
	Kabbadi	Men	Inter Collegiate Nawargaon		
	Kho-Kho	Men	Inter Collegiate,visapur	2 <sup>nd</sup>	
	Kho-Kho	Women	Inter Collegiate Bhadrawati	2 <sup>nd</sup>	
	Athletic	Men	Inter Collegiate,visapur		
	Athletic	Women	Inter Collegiate,visapur		
	4*400m.Relly	Men	Inter Collegiate Chandrapur	3 <sup>rd</sup>	

<b>Individual Performance in University Level Tournament</b>					
	200m. Running	Sanju. P. Wadde		2 <sup>nd</sup>	
	Long-Jump	Sanju. P. Wadde		2 <sup>nd</sup>	
	Jaklin Throw	Sanju. P. Wadde		3 <sup>rd</sup>	
2015-16	Kabbadi	Women	Inter Collegiate Chandrapur		
	Kabbadi	Men	Inter Collegiate Bhadrawati		
	Kho-Kho	Men	Inter Collegiate Gondpipari		1 <sup>st</sup>
	Kho-Kho	Women	Inter Collegiate, Warora		3 <sup>rd</sup>
	Chess	Men	Inter Collegiate Chandrapur		
	Volley-Ball	Men	Inter Collegiate Bhadrawati		
	Volley-Ball	Women	Inter Collegiate Sawali		
	Cross-Country	Men	Inter Collegiate Gadchiroli		
	Cross-Country	Men	Inter Collegiate Gadchiroli		
	Athletic	Men	Inter Collegiate, Visapur		
	Athletic	Women	Inter Collegiate, Visapur		
	4*400m. Relly	Men	Inter Collegiate, Visapur		3 <sup>rd</sup>
	4*400m. Relly	Women	Inter Collegiate, Visapur		2 <sup>nd</sup>
	4*100m. Relly	Women	Inter Collegiate, Visapur		2 <sup>nd</sup>
	4*100m, Relly	Men	Inter Collegiate, Visapur		
<b>Individual Performance in University Level Tournament</b>					
	800m. Running	Kiran. M. Kayarkar		1 <sup>st</sup>	
	200m. Running	Shushama. A. Chaudhari		2 <sup>nd</sup>	
	Shot-Put	Shital. B. Dohatare		3 <sup>rd</sup>	

## 12. List of eminent sports personalities visited.

S.N.	Name	Event	Date
1	Mr. Girish Sakore, Rajiv Gandhi College, Chandrapur	Mens Kho-Kho Tournament, Gondwana University	30/11/2012
2.	Mr. Datta, S.P. Law College, Chandrapur		
3.	Mr. Dilip Jaiswal, Chairman, BOS, Sports, Gondwana University, Gadchiroli.		
4	Mr. S. Kohade, Director, Physical Education, Gondwana University, Gadchiroli.	Valedictory Function, Mens Kho-Kho Tournament, Gondwana University	01/12/2012
5.	Mr. Ramdas Darne, Secretary, Vidarbha Kho-Kho Association	Vidarbha State Kho-Kho Tournament	22/01/2013
6.	Mr. I.N. Soor, Secretary, Buldhana District Kho-Kho Association, Buldhana		
7	Mr. Sanjay Ingole, Secretary, Wardha District Kho-Kho		



	Association, Wardha		
8	Mr. Ramdas Darne, Secretary, Vidarbha Kho-Kho Association	Vidarbha State Kho-Kho Tournament	11/01/2015
9	Mr. Raut, Secretary, Kho-Kho Association, Washi, Mumbai		
10	Mr. Ramdas Darne, Secretary, Vidarbha Kho-Kho Association	Vidarbha State Kho-Kho Tournament	05/11/2016
11	Mr. Sudhir Nimbarkar, Organizer, State Officials.		

### 13. Sports events organized:

S.N.	Name of the Event	Date
1	Intercollegiate Women Volley ball tournament	17-18, Sept 2012
2	Intercollegiate Women Kho-Kho Tournament, Gondwana University, Gadchiroli	27-28, Nov 2012
3	Intercollegiate Men's Kho-Kho Tournament, Gondwana University, Gadchiroli	30 Nov-01 Dec, 2012
4	47 <sup>th</sup> State Men and Women Kho-Kho Championship	22-24 Jan, 2013
5	26 <sup>th</sup> Sub-Junior State Boys and Girls Kho-Kho Championship.	11-12 April, 2015
6.	Inter-Collegiate Women Kho-Kho Tournament, Gondwana University, Gadchiroli	03-06 Oct, 2015
7.	Inter-Collegiate Women Volley ball Tournament, Gondwana University, Gadchiroli	01-04 Oct, 2016
8	36 <sup>th</sup> Junior State Men Women Kho-Kho Championship.	03-04 Nov, 2016

### 14. Student progression:

(Enlist the name of the students got job under sports quota)

S.N.	Name	Sports	Placement
1	Mr. Prakash Rai	Athletics	Indian Army
2	Mr. Mahesh Chaukhe	Athletics	Indian Army
3.	Miss. Rama Barde	Kho-Kho	Maharashtra Police
4.	Mr. Ankit Karekar	Volley ball	Indian Postal Services
5.	Mr. Satish Nalbhimwar	Volley ball	Indian Army
6.	Mr. Narendra Date	Athletics, Kho-Kho	Indian Army
7.	Mr. Roshan Dhoke	Volley ball	Indian Army
8.	Mr. Dewanand Dukare	Volley ball	Maharashtra Police

## 15. Details of Infrastructural facilities:

## ❖ Sports facilities

## ✚ Outdoor Games:

## ▪ Play grounds:

Large playground available: 6596.11sq.mts (71000 sq. ft.)A spacious play ground is available for outdoor games viz. 400 meter track, Cricket (02 pitches), Athletics- separate sectors for javelin, shot put, discus throw, Separate long jump pit, Football ground, Volley ball grounds -02,Kho-kho grounds-04, Kabaddigrounds-02, Archery etc. in the college campus.

## ▪ Gymnasium:

College has well-equipped Gymnasium with all the advanced equipment.

S. N.	Name of the Equipment
1	Parallel bars
2	Multigym 12 stations
3	Weight training set (50 Kg)
4	Weight training plates (2.5 Kg)
5	Adjustable Dumbels (20 Kg)
6	Bench Press
7	Tread Mill
8	Vibrator

## ✚ Indoor Games:

Facilities for the indoor games like Chess, Table Tennis, Badminton court etc, are provided to students in the college campus.

## Infrastructural facilities in sports department:

S.N.	Name of the Equipment
1	Cricket kit with net
2	Football with net
3	Volley ball with net
4	Shot put -12, 16,8 Lbs
5	Discus discs
6	Carom Board
7	Chess board
8	Javelin
9	Weighing machine
10	Ball badminton rackets
11	Archery Kit
12	Sports gear for all sports



Maharogi Sewa Samiti, Warora's

# ANAND NIKETAN COLLEGE, WARORA

Anandwan, Warora, Dist. Chandrapur – 442914 (M.S.)

Under Graduate & Post Graduate Multi Faculty Institution

(Affiliated to Gondwana University Gadchiroli)

Estd. June 20, 1964

NAAC ACCREDITED 'B ++' GRADE

E-mail ID. – [anandniketancollege@gmail.com](mailto:anandniketancollege@gmail.com)

College Website :- [www.anandwanwrr.com](http://www.anandwanwrr.com)

☎ (O) 07176-282006

☎ (Res) 282046

Office of the Principal,

No.ANC/ \_\_\_\_\_

Date :- \_\_\_\_\_

## DECLARATION FROM 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: Anandwan, Warora.

Date: 27/03/2017

  
DR. M. C. KALE  
PRINCIPAL  
ANAND NIKETAN COLLEGE  
ANANDWAN, WARORA

## Post Accreditation Initiatives

The institution is established in 1964 with a student strength of only **110 students** has grown with time and today, it has established itself as a well-known co-educated institution in Vidarbha region with **current strength of 1808 students**. From the time of its inception, the institute is progressing in the direction of providing education to students coming from rural, tribal and backward areas. The peer team visited this institution on 28<sup>th</sup>, October, 2004. It interacted thoroughly with Management, Principal, faculty, non-teaching staff, students, alumni and parents and procuring various inputs and inference from office records and documents made certain suggestions and recommendations for the future growth and development of the institution. The peer team has appreciated the teaching-learning process and extension activities. It also expressed satisfaction over the well maintained records of the institution, audit reports, examination and day to day work.

While appreciating the good work the peer team has made the following suggestions and recommendations, with a view to promote quality education.

- The college must make efforts to obtain recognition of 12 B of UGC.
- The college may establish a language laboratory in English department for the benefit of wards coming from rural background.
- Establishment of a commerce laboratory would pave way for better understanding of the subject and improve the learning skill in wards.
- The college may think of introducing fine arts, performing arts and few postgraduate courses to the benefit and employment opportunities of the students.
- The college may introduce UGC vocational and certificate courses in apiculture, sericulture, silviculture, pisciculture, office management and accounting and taxation practices.
- The scheme of earning while learning may be introduced for the benefit of students coming from rural and tribal background.
- The computer facilities may be extended to the Arts, Science and Commerce students to enable them to become IT literates.
- College may plan for providing intensive coaching to make the students to face the competitive examinations comfortably.
- In order to nurture the sports talent of students the college should provide proper adequate facilities and training through coaches.
- College may establish NCC unit for the benefit of girls.
- Teachers must be encouraged to avail UGC-FIP scheme to further their education.
- College may plan collaboration with sister institutes.
- Employment cell and placement cell should be made more active and database on students obtaining employment must be maintained.
- Educational research projects under UGC or based on community problems need to be undertaken.

- Formalization of activities of the alumni association will be a boon to complete plans for progress and development of college.

**The compliances to the recommendations that were made by Peer team are as follows:**

- The institution since its inception, being established before 1965, is recognized under sections 2f and 12B of UGC and receives regular development grants along with special assistance and merged schemes from time to time.
- The students admitted in the institution are from rural background and have inherent inhibitions for English language. To improve the quality in spoken English of students, institution has established English language laboratory in the department of English.
- The college has started a new skill based programme under UGC- Career Oriented Programme on Certificate course in Plant Tissue Culture. The short term courses are also conducted in collaboration with MCED on Agro-based industries, Tally and DTP. Office management is being run as vocational course in junior college.
- Recently earn and learn scheme for the benefit of poor students has been introduced with the help of parent organization.
- The computer facility has been extended to all the Arts, Commerce and Science departments to enable the students to become IT literate.
- The institution provides coaching to enable the students to face the competitive examinations like MPSC, UPSC, NET, SET, Banking and LIC etc. Special workshops and guest lectures are also organized.
- The institution has adequate outdoor and indoor facilities for sports including gymnasium. Special coaching is arranged for Kho-Kho players.
- The institution has established the separate unit of 3-Maha. Girls Bt. NCC with a capacity of 50 cadets.
- All the teachers are encouraged to avail UGC-FDP scheme and are given support to pursue research and present papers.
- Institution has collaboration with sister institute i.e. Anand Niketan College of Agriculture. The department of Botany has provided consultancy for establishment of Tissue culture laboratory. The Agriculture College provides necessary knowhow and agricultural implements for our institution. There is also a interlibrary book borrowing scheme between the two sister institution. The institution has provided old computers and automatic school bell to the primary school of the parent institution.
- Few employments related workshops have been conducted in the last five years.
- Three major projects and many minor projects funded by UGC and other funding agencies have been completed and/or ongoing.
- The process of formalization of alumni association is ongoing.



Maharogi Sewa Samiti, Warora's

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☎ (O) 07176-282006

☎ (Res) 282046

Office of the Principal,

No.ANC/ \_\_\_\_\_

Date :- \_\_\_\_\_

## Certificate of Compliance

(Affiliated/Constituent/Autonomous colleges and Recognized Institutions)

This is to certify that, Anand Niketan College, Anandwan, Warora fulfils all norms:


1. Stipulated by the affiliating University and/or
  2. Regulatory Council/Body (such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.) and
  3. The affiliation and recognition (if applicable) is valid as on date.
- In case the affiliation/recognition is conditional, then a detailed enclosure with regards to the compliance of conditions will be sent.

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

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

Date: 27/03/2017

Place: Anandwan, Warora

  
DR. M. C. KALE  
. PRINCIPAL  
ANAND NIKETAN COLLEGE  
ANANDWAN, WARORA

## Annexure-1



विश्वविद्यालय अनुदान आयोग  
**University Grants Commission**  
quality higher education for all

[Home](#) [About Us](#) [Organization](#) [Commission](#) [Universities](#) [Colleges](#) [Publications](#)

**Universities & Colleges**

- Colleges Under Section 2(f) & 12(B)
- Autonomous Colleges
- Colleges With Potential for Excellence
- Academic Staff Colleges
- Universities (UPE)
- Centres (CPEPA)
- Basic Scientific Research
- Visiting Committee Reports
- Central Universities
- State Universities List
- Deemed Universities
- Private Universities
- Fake Universities

Colleges under section 2 (f)& 12(B) of the UGC Act 1956

▶ [Consolidated List of Colleges under section 2\(f\)/12\(B\)](#)

The University Grants Commission (UGC) provides financial assistance to eligible colleges which are included under Section 2(f)\* and declared fit to receive central assistance (UGC grant) under Section 12 (B)\*\* of UGC Act, 1956 as per approved pattern of assistance under various schemes.

\* The UGC had notified Regulations for recognition of colleges under Section 2(f) of the UGC Act, 1956. The colleges are brought under the purview of UGC in terms of these Regulations as and when the proposals are received from the colleges for inclusion under Section 2(f) and they are found fit for inclusion as per the provisions contained in the Regulations.

\*\* Apart from inclusion of colleges under Section 2(f), the UGC includes the Colleges under Section 12(B) of its Act in terms of Rules framed under the Act. This makes the colleges eligible for central assistance from the Government of India or any organization receiving funds from the Central Government.

### Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Name and address of the college	Status	Year of Estb.	Nature of Affiliation	Teaching Upto	Govt or Non Govt	Aided or Unaided
<b>Anand Niketan College</b> Warora District Chandrapur Maharashtra	2(f) and 12(B)	1964	Permanent	Bachelor's	Non Government	
<b>Annasaheb Gundewar College</b> Kotla Road District Nagpur Maharashtra	2(f) and 12(B)	1984	Permanent	Bachelor's	Non Government	
<b>Arts &amp; Commerce College</b> Gondpipri Dist. Chandrapur – 442 702 Maharashtra	2(f)	1990	Temporary	Bachelor's	Non Government	Aided
<b>Arts &amp; Commerce Degree College</b> Campus Petrol Pump Jawaharnagar Road National Highway No. 6, District Bhandara-441 906 Maharashtra	2(f) and 12(B)	1998	Permanent	Bachelor's	Non Government	
<b>Arts &amp; Science College</b> Pulgaon District Wardha Maharashtra	2(f) and 12(B)	1994	Permanent	Bachelor's	Non Government	
<b>Arts, Commerce &amp; Science College</b> Arvi District Wardha Maharashtra	2(f) and 12(B)	1963	Permanent	Bachelor's	Non Government	
<b>Arunrao Kaloda Mahavidyalaya</b> Nagpur-27 Maharashtra	2(f) and 12(B)	1984	Permanent	Bachelor's	Non Government	



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

## Certificate of Accreditation

*The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the*

*Maharogi Sewa Samiti, Warora's*

*Anand Niketan College of Science,  
Arts & Commerce*

*Anandwan, Warora, Dist. Chandrapur  
affiliated to Nagpur University, Maharashtra as*

**Accredited**

*at the B\*\* level.*

Date: November 04, 2004



*M. Narasimha Murthy*  
Director

- This certification is valid for a period of Five years with effect from November 04, 2004
- An institutional score (%) in the range of 55-59 denotes C grade, 60-65-C grade, 65-70-C\*\* grade, 70-75- B grade, 75-80- B\* grade, 80-85-B\*\* grade, 85-90- A grade, 90-95-A\* grade, 95-100-A\*\* grade (upper limits exclusive)



## Quality Profile

Name of the Institution : Maharogi Sewa Samiti, Warora's  
Anand Niketan College of Science, Arts & Commerce  
Place : Anandwan, Warora, Dist. Chandrapur, Maharashtra

Criterion	Criterion Score (Ci)	Weightage (Wi)	Criterion X Weightage (Ci x Wi)
I. Curricular Aspects	76	10	760
II. Teaching-learning and Evaluation	80	40	3200
III. Research, Consultancy and Extension	70	05	350
IV. Infrastructure and Learning Resources	84	15	1260
V. Student Support and Progression	81	10	810
VI. Organisation and Management	80	10	800
VII. Healthy Practices	92	10	920
	100		$\Sigma C_i W_i = 8100$

$$\text{Institutional Score} = \frac{\Sigma C_i W_i}{\Sigma W_i} = \frac{8100}{100} = 81.00$$

*M. S. S.*  
Director

EC/34/156

**REPORT ON  
INSTITUTIONAL ACCREDITATION  
OF**

**Anand Niketan College of Science, Arts & Commerce  
Anandwan, Warora, Dist. Chandrapur  
Maharashtra**

**27 – 28 October 2004**



**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

An Autonomous Institution of the University Grants Commission  
Aragini Bhavana, 2/4, Dr. Rajkumar Road, P.O. Box No. 1075, Rajajinagar, Bangalore-560 010, INDIA

**DRAFT REPORT OF THE PEER TEAM ON THE INSTITUTIONAL  
ACCREDITATION OF ANAND NIKETAN COLLEGE OF  
ARTS, SCIENCE AND COMMERCE, ANANDWAN,  
DISTRICT CHANDRAPUR, MAHARASHTRA STATE**

**SECTION – I: INTRODUCTION**

Anandwan, an Institution of Maharogi Sewa Samiti, Anandwan founded by Padma Vibhushan Baba Amte established the Anand Niketan College of Arts and Commerce and Science. Housed in 200 hectares of arid rocky land, Anandwan has become the home land for a large number of orthopaedically handicapped, visually impaired, hearing and speech crippled, young school drop outs, abandoned and leprosy people for whom Baba has provided hope, liberty, equality, self respect and fraternity. With a mission to provide education to the economically backward and to bridge the gap between the normal stream of people and the inmates of the Anandwan, the Samiti established the College on June 20, 1964. Since then, it is imparting higher education to the students coming from inaccessible remote, rural and backward areas. B.A., B.Com., and B.Sc. degree courses are presently being offered in the College. As the College is affiliated to the University of Nagpur, the course curriculum, prescribed by it, have been adopted by the College. The college has been recognized under 2f of University Grants Commission, New Delhi and it is a Grant-in-Aid college.

Anand Niketan College of Arts, Science and Commerce, Anandwan volunteered for assessment by the National Assessment and Accreditation Council by submitting its self-study report. The NAAC constituted an expert committee to visit the college and validate its self-study report. The Peer Team comprised of Prof. H.M Joshi, Former Vice-Chancellor, Saurashtra University as Chairman, Prof. R.K. Bharti, Ex Head and Dean, Faculty of Commerce, Dr. Harisingh Gour Vishwavidyalaya, Sagar and Prof. S. Ravichandra Reddy,

Department of Zoology, Bangalore University, Bangalore as Members of the committee. Prof. Madhuranath, Academic consultant, NAAC, Co-ordinated the visit.

The team visited the institution for two days from 27<sup>th</sup> to 28<sup>th</sup> October 2004. The Peer Team carefully read and analyzed the self-study report submitted by the College. During the visit, Peer Team went through the relevant documents, visited the infrastructure and interacted with the various constituents of the college. The academic, co-curricular, sports and other facilities of the institution were observed. The Peer Team also interacted at length with the principal, teachers, students, non-teaching staff, parents and alumni of the institution. Based on the above exercise and keeping in mind the criteria identified by National Assessment and Accreditation Council, the Peer Team prepared its report.

## SECTION – II: CRITERION WISE ANALYSIS

### Criterion : I Curricular aspects

Anand Niketan College of Arts, Science and Commerce is the embodiment of Baba's creative intellectuality has set the goals and objectives to provide:

- Education to the students coming from inaccessibly remote, rural and backward areas.
- Education that inspires students to lead a dignified personal and social life.
- Education that expose the rural and tribal area children to rational and scientific attitudes in addition to formal courses
- Educate the students regarding the respect for human force and recognition of the dignity of labour
- Inspiration to the students to undertake novel projects to better the life of common solace

- Human touch to the teaching and learning process and correlate it to individual progress and social service

To achieve the said goal, the college is making all efforts to provide higher education to the rural and economically backward people as also enable them to realise the need of disabled, disadvantaged and leprosy people.

Since its inception in 1964 the college has three faculties and is offering B.A., B.Sc. and B.Com programme options in Arts, Science and Commerce faculties respectively. For the B.A. programme, in addition to two compulsory papers of English and Marathi, the students can select any three subjects from Economics, English Literature, History, Marathi Literature, Political Science and Sociology.

For the students of B.Com course, the subjects of Business Administration, Business Economics, Company Law and Secretarial Practice, Commercial and Mercantile Law, Cost and Management Accounting, Financial Accounting, Human Resource Development, Introduction to Computer and Statistical Techniques, Principles of Business Management, Taxation, Accounting, Auditing, Company Law and Marketing Management are offered. For B.Sc. programme, Botany, Chemistry, Electronics, Mathematics, Physics and Zoology are offered in addition to the papers of English and Marathi.

The college prior to 1985 offered Vocational course in Electronic science and diploma course in Forest management and Post harvest technology. However, the tow courses have been discontinued.

Since the College is affiliated to Nagpur University and is bound by the affiliating regulations, there is limited scope to horizontal mobility or inclusion of non-core options. The students are however, permitted to change their combination of subjects at the beginning of the entry year.

The Syllabi of these courses are framed and updated once every 3 to 5 years by the concerned Board of Studies of Nagpur University. The faculty members of the College actively participate in the syllabus revision workshops from time to time in order to review and redesign the course curriculum. They also give relevant suggestions. Several heads of the departments who have

been members of the Board of studies have played a role in the implementation of the suggestions given by the teachers in the concerned subjects. The college has organized University level syllabus revision workshops in history and sociology for teachers. With the present affiliating system, the college requires about one to two years to implement a new programme.

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

The students are admitted to the under graduate courses of B.A., B.Com and B.Sc. of the College on the basis of the marks at qualifying examinations. The admission committee of the college strictly adheres to the rules and regulations of the Nagpur University and Maharashtra Government. Since the institution is also running a Primary, Highersecondary schools and Junior college, majority of the students to the degree courses come from the Junior college and from Anandwan. At the time of admission, the admission committee guides the students in the selection of suitable courses. The salient feature of the admission is that the college admits physically handicapped and blind students as also to children of leprosy people living in the Anandwan.

After admission, the academic activities to the students include class room lectures, seminars, home assignments, group discussions and field visits for science students. Learning process of the students in subjects like Electronics, Physics, Botany and Zoology, Sociology, Political science, and Commerce are enriched through the display of charts and diagrams prepared by the students and use of CDs and models. Some students of Physics and Electronics have prepared innovative and informative diagrams of physical equipments and electronic circuits. Further, in the Physics subject, the teachers through the use of computers have prepared teaching aids on various units of the syllabus and these are made available to the students for use. Teachers assess the knowledge and skills of students through periodical tests, question-answer session, seminars and group discussion. The UGC remedial teaching programmes are run by the College for socially backward students on Sundays and holidays. Extra classes are also conducted to help the educationally

disadvantaged students. The academically advanced learners are encouraged by providing additional books and advanced learning through group discussion, brain-storming sessions etc.,

At the beginning of the academic session, the Heads of the Departments prepare annual teaching plan with the help of the faculty members of the respective departments. All the teachers undertake the work as per the teaching plans and complete the syllabus within the stipulated period. Though the lecture method of teaching is generally followed, teachers of Science departments have been using, slide projector, OHP and LCD as teaching pedagogy.

The college during 2003-2004 has had 243 working days and 198 teaching days. The normal work of each teacher in the College is 20 periods per week. The permanent faculty members are sharing about 60% of the total teaching load of the College. The Three-degree courses are in annual mode. The Unit cost of Education without salary component during 2003-04 has been Rs. 1,086/- while with the salary component it has been Rs. 8,960/-.

The appointment of teachers in the college is made as per the rules and regulations of the UGC and policies and procedures prescribed by the Directorate of Higher Education (Government of Maharashtra) and the University of Nagpur. There are 27 permanent and 25 contributory teachers in the College. In addition, there is 1 part time teacher. Of these 52 teachers, 8 have completed NET/SET, 4 have Ph.D. and 7 have M.Phil degree. The contributory teachers have an average workload of 7 periods per week and are provided a salary on clock hour basis. Due to ban on teacher recruitments by the Maharashtra Government, the college is unable to fill up the vacancies. While a minimum of two teachers are available in majority of the subjects, in Economics, only two contributory teachers are available and in History only one teacher is available.

The performance of the teacher is evaluated through the self-appraisal method. Principal evaluates the Self-appraisal forms submitted by the teachers and these reports are used while making provision for teachers for higher pay scales. Students' feed back on the performance of the teachers is also obtained

through questionnaires. In the recent past Government of Maharashtra has awarded 'Adarsha Shikshak Award' to one of the teachers.

Innovative evaluation procedures in the college are not possible due to the affiliating regulations of the university. The college provides a advance notice of the examination dates. During 2003-04 the success of rate of students has been in 37 % in B.A. 85 % in B.Com and 57 % in B.Sc. degree courses respectively. The drop out rate in the three-degree courses has always remained less than 5 %.

// The college in the last two years has not procured a rank in B.A., B.Com and B.Sc. degree courses. 9

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

Anandwan College of Arts, Commerce and Science is basically an undergraduate and the main thrust is to provide education to the students and also bridge the gap between the regular students and the occupants of Anandwan. As a result there is very little scope for research and consultancy. Despite this, two teachers have submitted their Ph.D thesis and 4 have registered for Ph.D degree of Nagpur University. Some teachers are also active in publication of papers. The teachers of Marathi department have been involved in popular articles and member of Marathi Sammelana. The Principal of the college has written text book in Marathi which has been prescribed by the Pune University. The College Management is providing study leave facility to the teachers who go for full time research work under faculty improvement programmes. Teachers are also encouraged to participate in Seminars, Conferences and Workshops. Two teachers have been recognised as Research Supervisor by the University of Nagpur. There is one on-going research project funded by the UGC.

In a few subjects students are exposed to the research culture through the involvement of small project work. These include identification of trees in the college and labeling them and worm culture project, visiting near by villages and collecting data on their problems and requirements and through questionnaires generating data on the hurdles faced by people of a Factory who have been laid



off. Further, the Maharashtra Government has recognized the college for the conduct of Science forum and Marathi vignana parishat activities to Anandwan College and through this, teachers of Science faculty have been involved in popularization of science among school children.

Within the campus of the college, the BARC has set up a tissue culture unit and one teacher of the Botany department is providing expertise. Similarly, Head of the department of Botany is a consultant on Wildlife management of this region. Through the involvement of students, he has also prepared a systematic list of bird fauna of the college and Anandwan campus. Head of the Zoology department provides honorary consultancy service Fish culture co-operative society of this region. Head of the Physics department has provided consultancy to near by Industries. Few of the science teachers from Botany, Zoology and Physics are involved in giving lectures in sister departments both in arts and science faculties.

The College is conducting numerous extension activities through their NSS and NCC wings and Mahila Adhyayan Kendra, Career Information and Guidance Centre, Population education club and Nature club. One teacher each has been made in-charge of these extension activities.

NSS has two units with 100 students each. It is noteworthy that in these extension activities not only regular stream of students participate but also blind children participate. The Major extension activities of NSS include community development, Health and Hygiene awareness, Adult Education and Literacy, AIDS awareness, Environmental awareness, Social work, Medical camp, blood donation camp, Mahila Adhyayan and Sewa Kendra, Science Forum and teachers study club. NSS has so far carried out 55 camps. Through these extension activities, the college has carried out very effective and purposeful work. The NSS unit of the college has received best NSS Unit award of Maharashtra State Government.

The College is also participating in various welfare measures and extension activities run by its parent body for individuals, physically and mentally impaired persons. The important activities include AIDS awareness, Campaign

NGOs and GOs, prominent among these are Rotary Club, S.P.Mahila Audyogik against drugs, Leprosy Survey, Watershed Management, Eco-friendly activities, Organic farming. The College carries out the extension activities along with Sahakari Sanstha, Mahila Mukti Sangathan, Maharogi Sewa Samiti, Tehsil Office and Zilla Parishad.

Besides participating in extension activities by the NSS and NCC cadets, some of the NSS students have participated in R.D camps at Delhi and Mumbai and similarly in the past, few NCC cadets have participated in R.D parade at Delhi and Nagpur. The Kalapathak of NSS is involved in displaying the cultural talents of NSS volunteers and through this they also spread the message on the evils of smoking, drinking, environmental pollution and deforestation. Two blind student volunteers have been the cynosures of cultural events of the NSS unit.

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

The College has got the total campus area of 26.72 acres. The total built up area of the College is 30,694 Sq. ft. The college building has seven blocks. These are main block comprising laboratories and class rooms, office block comprising Principals' room, office and Electronics department, physics laboratory, library, Utility hall, NSS office, common staff room, girls' common room, record room and extension block. The college building was constructed from the funds donated by Switzerland citizen and the construction was entirely carried out by the leprosy people. There College Development Committee takes care of maintenance, beautification, repairs/modifications of existing infrastructure. The college has a well laid out garden in front of the library and a botanical garden developed by the students. The traffic signals have been painted on the wall of rest roof for the benefit of men. Separate cycle stands for boys and girls and car parking places are available in the college premises.

The College runs in two shifts. In the morning shift, the Arts and Science classes are held, while few Science classes are run in the afternoon session along with the classes of Junior College.

The library block was constructed under the UGC assistance and it has one office room, one large reading room and one large books section. The Library is well equipped with 34,056 books, 48 journals, periodicals and Magazines and 14 newspapers. There is a library sub-committee consisting of Principal as Chairman and seven teachers as members. The Librarian is the Member-Secretary of this committee. The Library provides facility to borrow books from the Library of Anand Niketan College of Agriculture. The College is also providing Book-bank facility to the students. The process of digitization has been initiated in the library. Both the library and the Laboratories are kept open from 7.30 am to 5.30 pm.

The College has a central computer laboratory with seven computers, four printers, one modem, internet connection and three stabilizers. This nodal center has been offering MSCIT certificate course. Physics, Electronics Botany and Zoology departments also have computers and printer.

The college has a large play ground totalling to 71,000 Sq. ft. This includes playground for Cricket, Football, Kabaddi, Kho-kho, Basket Ball, Hand Ball, Volley Ball and Badminton. A small athletic track is also available. The Physical Education unit managed by lady Physical education teacher is providing the sports and games facilities for students. The facilities include Javelin, Shot-put, Discus, Double bar, Low bar and other other material required for Badminton, Basketball, Chess, Cricket, Hand ball, Foot ball, along with Gymnasium Equipments. The play ground is also used by external agencies.

A multi-utility complex is located within the college campus. This has 12 spacious rooms. Canteen with separate sitting places for boys, girls and staff is located in the multi-utility complex.

Students of the college have been regularly participating in intercollegiate tournaments in cricket, kabaddi, handball and other games. During 2001-02, the college has been the champions in Handball tournament conducted by the Nagpur University.

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

During the year 2003-2004, the total number of students admitted to B.A., B.Com and B.Sc., courses has been 1154 (Boys: 651 and Girls: 503). The total strength includes two blind students, 4 handicapped students and 14 students of Anandwan.

The College publishes its prospectus containing information relating to rules and regulations for admission courses prescribed, fee structure, academic calendar, students welfare, free ships and scholarships, extension programmes. Among the 1154 students, 907 students receive various scholarships. These include 208 SC, 68 ST, 652 OBC, 63 NT and 43 SBC scholarships from the State and Central Governments. Some prizes are also awarded to the meritorious students of the College. Though the college does not have formal placement cell, teachers are providing personal counselling to the students for career development and competitive examinations. Two students have procured jobs through campus interview by BILT.

The Samiti has hostel for boys and girls in the Anandwan. Some of the students of the college are availing the facility. In addition, Economically backward community hostel run by the Government is located close college and boys' students of the college are admitted to this hostel and another hostel run by philanthropists located next to this an also admits boys of the college.

The College has taken keen interest in providing recreational facilities for indoor and outdoor games and Nature Club, Debate Club. The college also publishes a Student Magazine. Cultural programmes organized by the College on National festivals and various occasions of National significance.

A consumer store managed by a teacher is located in the college for the benefit of students. The store procures the required stationary items and clothes from the Anandwan and sells it to the students and staff under no profit no loss scheme.

The College has an Alumni Association. However, it is yet to be formalized. Several of the alumnae have held prominent positions in the society.

Some of them are the recipients of Padmashree award, Gandhi Sewa award and Shanti Swaroop Bhatnagar award.

**Criterion VI: Organization and Management**

Maharogi Sewa Samiti, Anandwan, is the parent body that looks into the overall management and working of the College. There is also a local Management Committee, responsible for day-to-day functioning of the College. The Principal of the College has the administrative powers for the proper working of the College, while non-teaching employees of the college come under the governance of Registrar of the college. The performance of the office staff is supervised and reviewed by him from time to time. The overall performance of the college is supervised and reviewed from time to time by the Principal. The College prepares the academic calendar in the beginning of the each academic session.

The Management Committee takes active interest in the progress of the college. Various committees have been set up to share the different responsibilities of the college. A student's Welfare Committee consists of students and teachers. It is taking care of various Welfare activities in the college. There is a Grievance Redressal Cell for students. It is being run in an informal way Student's grievances are discussed in an informal manner and suitable remedies are provided. The Principal takes necessary steps for effective execution of these of these measures. There is a Employees Credit Co-operative Society which provides loan facility to the teaching and non-teaching staff of the college.

The academic and administrative functions of the college move hand in hand. Hence, unwanted incidents are not taking place in the college. The administration of the office is being computerized and the faculty has the benefits of house and vehicle loans, medical reimbursement and computer loans. The office employees avail the benefits of house and vehicle loans, travelling and festival advances.

The college does not have administrative training and computer literacy programmes for the office staff. To increase the efficiencies of the college at all levels it is desirable that authorities apply advanced management techniques and technologies in regular functioning of the college.

The College as approved by the State Government is following the fee structure. The College has got a deficit budget. There is an internal audit system for the check over accounts of the Institution.

**Criterion VII: Healthy practices**

The Peer Team notes with appreciation the following healthy practices of the College:

- The Management is committed to the Mission of providing higher education to the younger generation coming from rural, backward and tribal areas.
- The physically handicapped, deaf and dumb boys and girls have got the opportunity of undertaking higher education with full financial support of the Management.
- It is satisfying to note that the majority of students of the College come from SC/ST/OBC/NT categories and they are getting scholarship/free ships and other concessions for their education.
- University guidelines in admission and curriculum have been strictly adhered.
- The students of the College are well disciplined, sincere and dedicated to their studies under the able and effective supervision of their teachers.
- Academic ambience and healthy atmosphere is available in the college campus.
- The College is taking keen interest in imparting value-based education to the students. The strong sense of self-development and self-respect is being developed among them.

*hsl*

- The Teachers of the College besides chalk and talk' lecture method of teaching, using modern teaching aids including CD display, transparencies, charts, models, seminars, question-answer session and group discussion for the all round development of their wards.
- The NCC and NSS wings of the students in the College are playing very prominent role in undertaking many extension activities with a view to provide better understanding of socio-economic up-liftment and social harmony among members of various communities.
- The College has unique features of having some important forums such as Mahila Adhyayan Kendra, Career Information and Guidance Centre, Science Forum, Nature Club, Credit Society, Students' Co-operative store and Teachers' Study Club, which are playing significant role in providing exposure, guidance and support to students, teachers and non-teaching staff of the College.
- The College has taken interest in providing encouragement to the students for participating in sports and games activities.
- The College has done a commendable work in enhancement of artistic competence of boys and girls. They have demonstrated a great potential of artistic abilities particularly as Singer, Dancer and Music Player.
- It is gratifying to note that the college has encouraged the blind and physically handicapped students to expose their hidden talents in dance and music.

### SECTION III: OVERALL ANALYSIS

The Anand Niketan College of Arts, Science and Commerce Anandwan, Warora (Dist: Chandrapur), Maharashtra established in 1964 with a student strength of 60 students has grown with time and today, it has blossomed into a well known co-educated college with 1154 students. From the time of its establishment by Maharogi Sewa Samiti, the college is progressing in the direction of providing education to students coming from rural, tribal and

backward areas and also enabling the wards of the college to realise the needs of the handicapped, hearing impaired, abandoned and leprosy people. The Peer Team after visiting the Institution and interacting thoroughly with the Management, Principal, Faculty, Non-teaching staff, Students alumni and parents and also procuring various inputs and inference from office records and documents, makes the following overall assessment and provide certain suggestions and recommendation for the future growth and development of the College.

Anand Niketan College, Anandwan, being affiliated to the University of Nagpur is following the course curriculum of B.A., B.Com and B.Sc. courses as prescribed by the University. Hence the teachers of the College have little role to play in introducing innovative course curricula or in modernising the existing syllabi. Due to its location in rural region, the College is not in a position to introduce self-financing courses.

The teaching and learning programmes of the College are being carried out satisfactorily by teachers. Although, the lecture method is very common among them, they are also making use of some modern teaching aids including CDs, video cassettes, overhead projector, transparencies, graphs and charts. Teachers are motivating the students to take part actively in group-discussions, seminars, house-assignments etc. in order to enhance their knowledge and skill.

The infrastructure facilities available in the college though support the academic programme of the three-degree courses, the science laboratories and Arts departments need more space and facilities. It is hoped that in the near future the Management and Samiti are able to raise adequate funds to construct additional blocks in the vacant land.

The thrust of the college is towards teaching. Hence, the college is yet to sensitize towards higher research and consultancy services. However, the extension activities are carried out extensively and both NSS, NCC and other bodies have undertaken commendable work.



The college records are well maintained, audit reports are satisfactory and office work pertaining to correspondence, examination and day to day work are satisfactory.

It could be implied that the Principal, his team of dedicated teachers and administrative staff have been striving hard to promote the growth of the institution.

While appreciating the good work done by the college, it would like to make the following suggestions for consideration and implementation with a view to promote quality education to the wards of this region and also achieve the objectives of the college.

- The College must make efforts to obtain recognition of 12b of UGC.
- The college may establish a language laboratory in English department for the benefit of wards coming from rural background.
- Establishment of a commerce laboratory would pave way for better understanding of the subject and improve the learning skill in wards.
- The college may think of introducing Fine arts, Performing arts and few Post Graduate courses to the benefit and employment opportunities of the students
- The college may introduce UGC vocational and certificate courses in Apiculture, Sericulture, Silviculture Pisciculture, Office management, Accounting and Taxation practices.
- The scheme of earning while learning may be introduced for the benefit of students coming from rural and tribal background.
- The computer facilities may be extended to the arts, science and commerce students to enable them to become IT literates.
- College may plan for providing intensive coaching to make the students to face the competitive examinations comfortably.
- In order to nurture the sports talent of students, the College should provide proper adequate facilities and training through coaches.
- College may establish N.C.C. unit for the benefit of girls.

- Teachers must be encouraged to avail UGC-FIP scheme to further their education
- College may plan collaboration with sister institutes.
- Employment Cell and Placement Cell should be made more active and data base on the students obtaining employment must be maintained.
- Educational research projects under UGC or based on community problems need to be undertaken.
- Formalisation of activities of the alumni association will be a boon to contemplate plans for progress and development of the college.

The members of Peer team would like to place on record their sincere thanks and appreciation to the principal, co-ordinator and his team for NAAC work, faculty, non-teaching staff, students, parents of the students, alumni and citizens associated with the welfare of the college for their unqualified support and assistance during the visit of NAAC Peer Team.

Signature of the Peer Committee members and the Principal

1. PROF. H.M. JOSHI *H.M. Joshi*  
(Chairman) 28-10-04
2. PROF. R.K. BHARTI *R.K. Bharti*  
(Member) 28-10-04
3. PROF. S. RAVICHANDRA REDDY *S. Ravichandra Reddy*  
(Member) 28-10-04

I agree with the observations and recommendations made by the Peer Team in this Report.

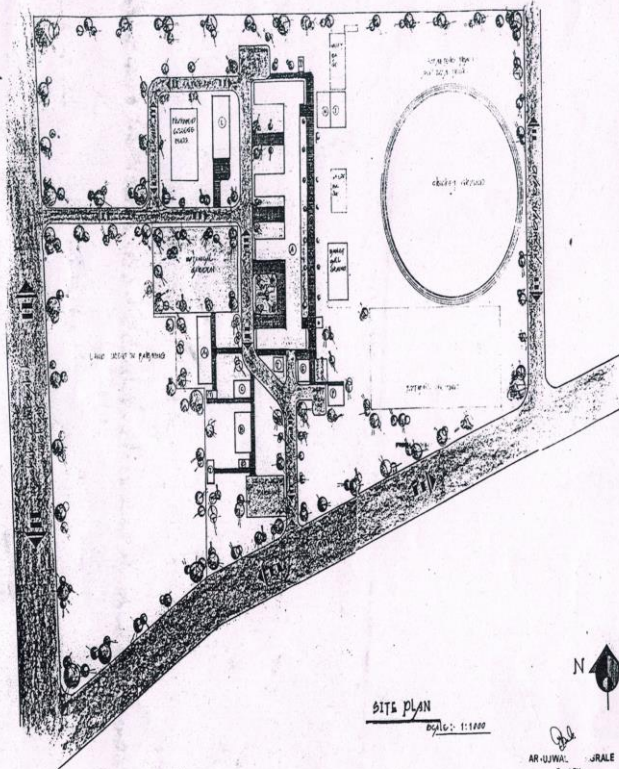
28<sup>th</sup> October 2004

*P.M. Kalbhut* 28.10.2004  
(DR. P.M. KALBHUT)  
Dr. P. M. KALBHUT  
Principal  
Anand Niketan College  
Anandwan.



ABEA STATEMENT

TOTAL SITE AREA :- 109871.08 A<sup>2</sup>



SITE PLAN  
Scale: 1:1000

AR-UMMAL - JIRALE  
B ARCH  
REGD NO. C A/12/1200  
KALYAN WARD, WARORA  
DIST CHANDRAPUR

All measurements in meter

- WATERING PROVISION
- A: Agricultural activities
  - B: Club house & sports ground
  - C: Residential area
  - D: N.A.A. building
  - E: Sports field
  - F: Government office building
  - G: Municipal office
  - H: Electrical office
  - I: Computer lab
  - J: Sports ground
  - K: Sports ground
  - L: Sports office
  - M: Sports office
  - N: Sports office
  - O: Sports office
  - P: Sports office
  - Q: Sports office
  - R: Sports office
  - S: Sports office
  - T: Sports office
  - U: Sports office
  - V: Sports office
  - W: Sports office
  - X: Sports office
  - Y: Sports office
  - Z: Sports office

- 1: Sports office
- 2: Sports office
- 3: Sports office
- 4: Sports office
- 5: Sports office
- 6: Sports office
- 7: Sports office
- 8: Sports office
- 9: Sports office
- 10: Sports office
- 11: Sports office
- 12: Sports office
- 13: Sports office
- 14: Sports office
- 15: Sports office
- 16: Sports office
- 17: Sports office
- 18: Sports office
- 19: Sports office
- 20: Sports office

Other items as per the plan

Architect  
Dr. Jyoti Kulkarni  
Kalyan Ward, Warora  
Dist Chandrapur  
Regd No: C A/12/1200

Original copy is with  
Principal,  
(2.8.2004)