



Mahatma Gandhi Mission

**Dr. G.Y. Pathrikar College of Computer Science
and Information Technology
Aurangabad**

Affiliated to

**Dr. Babasaheb Ambedkar Marathwada University
Aurangabad**

SELF-STUDY REPORT

For 2nd Cycle of Accreditation

Submitted to

**National Assessment and Accreditation Council
Bangalore**

March, 2017

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PREFACE

MAHATMA GANDHI MISSION (MGM) was established on 20th December 1982 with a futuristic vision to provide qualitative education by applying innovative and state of art pedagogical techniques. Since inception, the Trust has focused on providing health care services in urban as well as rural areas and is providing education ranging from basic school education to Post graduate education in various streams. The MGM was established in Nanded (Maharashtra) and in course of time, it extended its services in Aurangabad, Navi Mumbai, Parbhani and Noida. A chain of school, Engineering, Architecture, Medical, Nursing, Management, Computer Science and IT, Bioinformatics and Biotechnology, Fine Arts and Journalism stand testimony to the endeavors of the trust. The founders are group of ingenious Engineers, Doctors, and Scientist having a high career profile, commitment to social interest and dedication to work. While striving to live up to the expectation of the society the trust had made quantum leaps in its academic pursuits and has spread its wing to encompass new emerging frontiers across the academic horizon. Its Vision ensure sustainable human development which encourages self reliant and self content society, promote activities related to community services, social welfare and also Indian heritage & culture promoted by Mahatma Gandhi, inculcate the culture of non violence and truthfulness through vipashana, meditation and Gandhian Philosophy, develop the culture of simple living and high thinking through students who will be nations forerunner for development and advancement. MGM have established Naturopathy centre for treating patients with ancient ayurvedic and yoga therapies. Not to left behind medical science MGM has established 700 beds hospital to treat the patient from Gynec to Super specialty like pediatric surgery, neuron surgery, cardio-

vascular surgery, and test tube baby center etc. To support the hospital MGM has established Nursing College to train nurses from diploma to post graduate. MGM has also set up Engineering College and Polytechnic with state of art facilities. MGM has entered in latest technological advancement by setting up well equipped, ultra modern labs, classroom and has appointed highly qualified staff in the fields of Computer Science and Bioscience.

By considering the growing importance of Computer Science and Information Technology in Business, Management and Industries, MGM has established “Dr. G. Y. Pathrikar College of Computer and Information Technology” in 2001 with B.Sc.(C.S.) and B.Sc.(I.T.), M.Sc.(C.S.), M.Sc.(I.T.) courses. The institute is named after Ex-Secretary Dr. G.Y. Pathrikar who was a great visionary, administrator also a learned academician. The department of Life Science was established in 2002 with M.Sc. (Biotechnology) course. In 2004, department has started the Post Graduate degree course (M.Sc.) for Bioinformatics. According to demand of industry, college started B.C.A. (Science) course in 2008. Looking into the need of animation in all walk of society like medicine, agriculture, military application, e-learning education software, B.Sc(Animation) course was introduced in institution along with B.Sc.(Hardware and Networking) in 2012.

The college is ISO 9001:2008 Certified, ISO 14001:2004 Certified, and NAAC accredited with ‘B’ grade. The college is recognized under Section 2f and 12B of the UGC Act. The institute is committed to ensure and continually improve the learning environment and facilities for students to achieve academic excellence and enhanced technical skills to make them responsible citizen so that they are able to pursue a good career in the field of Computer Science, Information Technology, and Life Science. As a responsible educational institution, organization is committed for

protecting environment and minimizing E-waste, noise pollution, paper waste etc. also contribute for reutilization and disposition of electronic waste.

With a vision of social, ecological and economical environment striving continuously for excellence in total quality education, research and technological service to the nation and to upgrade students in all respect with the help of latest infrastructure in the area of Computer and Life Science in order to build the National capabilities, to understand the culture of Non-violence, truth, peace through Gandhian philosophy.

A compulsory schedule of sports activity along with teaching learning makes student active, sportive, dashing creates ability to face challenges in future life. Sports and games are the right avenues to channelize the energy and vitality of students and thus make their leisure hours worthwhile. Our sports department organizes various inter class, intercollegiate sports competition like Swimming, Badminton, Kabbadi, Table Tennis, Basketball, Cricket, Chess, Football, Kho-Kho. Students as well as faculty members actively participate in marathon, duathlon, and triathlon organized by various institution. MGM has well equipped sports facilities with trainers/coach of specialization. The college has transformed itself into an institution that not only strives to achieve academic excellence and all round development of its students, inculcates the spirit of scientific temper required to live in the modern world and uphold the values of spiritualism and truthfulness.

Government of India (GOI) and Minority Welfare Scholarship is available as per norm. Apart from this for economically weaker section free ship is provided to some students.

There is an upward trend in the employment and employability of our students. This has been possible due to the Placement Cell which works towards creating awareness on employment opportunities and provides training to develop job skills

for the final year UG and PG students. It also maintains a database of the final year students with their contact details (email id and phone number). An information regarding placements is regularly disseminated through circulars to the departments. National and Multinational companies visit our campus.

The NSS wings of the college along with society are actively engaged with community work such as computer literacy, educating the under-privileged sections of society, conducting various awareness programs on health care, taking up social work, develop overall personality of the student and make them responsible citizens. Students of NSS have represented Maharashtra in Republic Day Parade in New Delhi.

College imparts education as per syllabus framed by Dr. Babasaheb Ambedkar Marathwada University. The academic and extra-curricular activities are conducted regularly semester wise; state of art infrastructure is made available to the students to implement it. The college not only has ten functional computer labs and one Digital Electronic lab, 1 Microprocessor Lab, Molecular Biology Lab, Microbiology, Cell, and Tissue Culture lab.

Well-stocked library is computerized, having sufficient book titles and quantity, journals, magazines and newspapers. Classrooms are ICT enabled with E-learning facilities and the entire college building is monitored with CCTV cameras. The College takes care of disabled students by providing suitable equipments. Efforts are taken for recycling of used water. Renewable energy source is used to enhance hostel facilities like 24 hour hot water.

Stepping towards minimizing paper work, digitization of office work, student attendance, result analysis, tutorial, assignments, books ERP software is implemented.

College has organized state level, national-level seminars and workshops and International conference, Guest lectures to know latest trends,

upcoming areas in the field of Computer Science and life Science. The prominent experts from academics, business, and industry participate in these programs. The College organizes welcome program, annual gathering and alumni meets, and various social programs for overall development of the students. College is running “Earn and Learn” Scheme in association with university. Life Long Learning Cell is an active cell contributing towards social commitments, trainings for upgrading the skills of the employee as well as students, women empowerment program, E-learning training for school teachers, placement for students.

The college has learned faculties with M. Phil and Ph.D. The Most of them have a sound record of research as well as published work and use innovative and practical methods of imparting education. To enrich the students' knowledge from a contemporary angle, prominent experts from academics, business and industry are invited round the year. The college organizes the industrial visit every year.

Some of the activities in the college, which may be cited as ‘best practices’ are the digitization of college work through ERP, parents meeting, tutor ward system (a time of guidance and counseling), and a cleaning of the campus throughout semester to maintain a clean environment, Effective implementation of teaching learning process, Use of innovative techniques for teaching learning, less time taken for the maintainance of the equipment, website of MCQs for students.

The MGM has woman’s empowerment cell named as “Sakshama “under this cell various social activities and events are organized.

The feedback we receive from students, alumni, parents, educationists, IQAC, Local Managing Committee and industry experts helps us to improve further for achieving excellence. The audits conducted by previous NAAC peer teams have also

contributed greatly to our growth. We were granted with B Grade by the previous NAAC Peer team in 2012 and have implemented their recommendations positively.

The Self Study Report has made us to go thorough SWOC analysis whereby we have been able to understand as to what lies ahead and which are the areas that need to be worked upon.

This Self Study Report being submitted for the second cycle of Assessment and Accreditation presents information as per the requirement laid down by NAAC in this regard. The report has been organized in two parts. The first part includes a Profile of the College and Executive Summary. The second part consists of the Criterion-wise Report and Department-wise Evaluative Report.

It is my privilege to submit the Self Study Report to the National Assessment and Accreditation Council, Bangalore for assessment and accreditation of the college.

With kind regards

Dr. P.D. Deshmukh
Principal

SWOC Analysis of the Institution

Strengths

1. Faculty –The College is having most of the faculty with M. Phil as well as Ph.D.
2. Good Infrastructure – Spacious, clean, airy classrooms. White boards and well-equipped Conference Room, Examination Room, Computer Laboratories, Auditorium, Staff Rooms, Gymkhana, Sports club
3. Research undertaken by staff – Presenting papers, publishing articles etc.
4. College ISO 9001:2008 certified.
5. College ISO 14001:2004 certified.
6. The vision of the college is adequately reflected in the entire gamut of academic and non-academic activities of the college which are designed to instill not just employability skills, but also a sense of compassion & sensitivity among students.
7. Effective and supportive guidance from the governing body is a pillar of strength for the college
8. The Internal Quality Assurance Cell (IQAC) of the college plays a vital role in ensuring quality in education through various quality enhancement measures and monitoring mechanism. It regularly monitors teaching, workload and sports activity.
9. Commitment to total transparency in admissions and appointments.

Weakness

1. Some of the teaching faculty has not yet completed Ph.D.
2. Need to strengthen the Alumni Association.
3. The college has no residential facilities for staff.
4. Consultancy services need to be strengthening.
5. Insufficient scholarships and funding for large number of socially and economically backward students.
6. Absence of more number of inter-disciplinary program and courses
7. The courses are not having the grants.

OPPORTUNITIES:

1. To start and expand the research centre
2. Developing the courses based on industrial requirement
3. To sustain and enhance the quality of higher level education
4. To increase collaboration and linkages.

CHALLENGES:

1. The courses are non aided courses.
2. To offer education on distance mode.
3. To imbibe the social values ,ethical values among students
4. Funding research projects of students due to lack of financial resources.
5. To groom students coming from rural area.

EXECUTIVE SUMMARY OF THE SEVEN CRITERIA

1. CURRICULAR ASPECTS:

MAHATMA GANDHI MISSION (MGM) was established on 20th December 1982 with a futuristic vision to provide qualitative education by applying innovative and state of art pedagogical techniques. A chain of school, Engineering, Architecture, Medical, Nursing, Management, Computer Science and IT, Bioinformatics and Biotechnology, Fine Arts and Journalism stand testimony to the endeavors of the trust. Its Vision ensure sustainable human development which encourages self reliant and self content society, promote activities related to community services, social welfare and also Indian heritage & culture promoted by Mahatma Gandhi, inculcate the culture of non violence and truthfulness through vipashana, meditation and Gandhian Philosophy, develop the culture of simple living and high thinking through students who will be nations forerunner for development and advancement. By considering the growing importance of Computer and Information Technology in Business, Management and Industries, MGM has established “Dr. G. Y. Pathrikar College of Computer and Information Technology” in 2001 with B.Sc.(C.S.) and B.Sc.(I.T.), M.Sc.(C.S.), M.Sc.(I.T.) courses. The institute is named after Ex-Secretary Dr. G.Y. Pathrikar who was a great visionary, administrator also a learned academician. The department of Life Science was established in 2002 with M.Sc. (Biotechnology) course. In 2004, department has started the Post Graduate degree course (M.Sc.) for Bioinformatics. According to demand of industry, college started B.C.A. (Science) course in 2008. Looking into the need of animation in all walk of society like medicine, agriculture, military application, e-learning education software, B. Sc(Animation) course was introduced in institution along with B.Sc.(Hardware and Networking) in 2012.

With a vision of social, ecological and economical environment striving continuously for excellence in total quality education, research and technological service to the nation and to upgrade students in all respect with the help of latest infrastructure in the area of Computer and Life Science in order to build the National

capabilities, to understand the culture of Non-violence, truth, peace through Gandhian philosophy.

The main objective of institution is to develop the students in the upcoming areas of Computer and life sciences through value-based education, promote the student for higher education and research, overall personality development of the students, develop the transparent mode in entire working sector specifically in admission, account, examination and teaching.

All the stakeholders of the institution are communicated via a print media like posters, banners, on website, in college magazines, journals and even on the tutorial notebook. The vision, mission, and objectives of the college are displayed at prominent locations in the college campus. In the beginning of the academic year, the college prepares an academic calendar comprising of the entire schedule for the year. Every faculty member prepares a teaching plan as per university syllabus, showing month-wise topics to be taught. The College effectively translates the curriculum through class room teaching, seminars, workshops, innovative teaching practices such as LCD projectors, Experts from the industry and the academic fields are invited to talk to students and the faculty. It also organizes industrial visits for students. The effectiveness of operations is made possible through regular correspondence with the industry. Two teachers from our college are members/invited members of Boards of Studies, and have played a leading role in restructuring of undergraduate and post-graduate curricula for various subjects. The College has also designed a completely revised curriculum with number of innovative changes. College runs the few certificate courses where the syllabus has been designed by the teachers conducting the course. NPTL, IIRS are the online Enrichment courses offered for students and faculty member.

Some of the college faculty members are in B.O.S. of university syllabus designing committees. The Principal is a member of the Board of Studies and a few of our teaching staff are involved in curricular development as they are on the syllabus revision committees. A large number of our teachers assist in the University examinations as paper setters, moderators, and evaluators.

College effectively implemented the CBCS system for PG courses according to university guidelines.

2. TEACHING LEARNING AND EVALUATION:

The college follows the admission schedule and procedure prescribed by the Dr. Babasaheb Ambedkar Marathwada University under which it functions. Majority of the students are sanctioned scholarships as per their socio-economic background. The admission process is transparent. In purview of the increasing demand for certain UG programs college started B. Sc.(Animation) and B.Sc.(Hardware and networking).

The College follows common core syllabus prescribed by University. Our student has ranked University toppers for both Computer science and Bioscience courses.

The main aim of the College is to provide an effective teaching and learning process for imparting in-depth and updated subject knowledge to the students with highly qualified and experienced teaching staff and educated non-teaching staff. As the college is ISO 9001-2008 certified, the college is implementing the ERP in which all the information regarding teaching and learning process are maintained and practiced by faculties as well as monitored through administration regularly.

An institution helps the students in getting GOI scholarship for the SC/ST students for getting minority scholarship for the Government of Maharashtra for helping the economically weaker section students and different aided students. College students submits the fees concession application top management and after that depending upon category of students, college give concession in fees for those students.

In this way institute reflect the national commitment to diversity and inclusion.

In addition to these institute runs “Earn and learn” scheme in college with assistance of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

As maximum women teaching staff is in college, so maximum girl students take admission.

Each department assigns a Mentor for establishing a profile for every student admitted. The profile details educational attainment at school level, socioeconomic background, special talents, and personal goals. This practice is an effective tool for the analysis of differential requirements of students. Advanced learners are identified

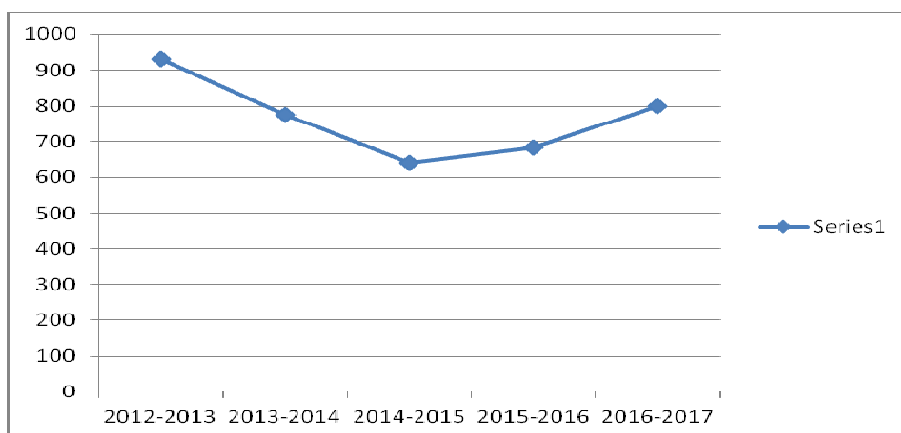
by their academic track record, their performance in the class tests and their interactions in the class room discussions.

In campus separate girls hostel facility is available. Special seating arrangement is made for differently able students for theory and practical examination at ground floor strictly.

The ICT and multimedia facility with innovative, technology based on teaching tools, Net connectivity in all the departments, automation in the Library, availability of e content modules, e-books and e-journals enhance the teaching-learning process and promote scientific temper and creativity among students in addition to the conventional methods of tools.

The faculty members are groomed up by attending Orientation, Refresher and Training Programmers, presenting research articles in national as well as in international conferences and Scientific Forums and publishing articles in journals. Faculty members and students take the advantage of the online courses NPTEL, IIRS etc.

The college follows the academic calendar designed by the University. The curricular plans are prepared in advance and the curriculum is purely made student-oriented by incorporating supplementary activities in it. Seminars and Extra Lectures are arranged for the benefit of the students. Following Chart shows the Eagles eye view on the college student strength. Following chart shows the strength of students from 2012to till date.



With an aim to improve the quality of education the college has strengthened its curriculum with various academic activities like seminar, conferences, and

workshop. Our College has also organized various Industrial tours, case study, and visit to different research institutes in and out of India to staff as well as students.

3. RESEARCH, CONSULTANCY, AND EXTENSION:

College offers only undergraduate & Post-graduate courses. However it encourages the students and faculty members to do part-time Research to get M. Phil or Ph. D. Colleges is in process of getting research centre. The College administration gives permission to faculty to attend Faculty development programs like Seminars and workshops, Orientation Courses and Refresher Courses. The College hosts the visit of nationally and internationally renowned personalities from India and abroad.

The students and faculties also participate in ‘Avishkar’ an inter-collegiate Research Convention which held annually by university. Faculties are encouraged in publishing books and research papers.

To encourage the promotion of Research, monetary support, incentive, Duty leave are granted. Researches in emerging areas are encouraged. In the past 5 years, we promote the students for higher education Ph. D. and M. Phil. Scholars. At the level of undergraduate students, for the development of the research project, the final year students of Bachelor programmes have to take up a research project and make use of Statistical Packages and Computational techniques. Computer labs with necessary software's are provided to the students for their use in research. The NSS Unit of this college plays the most significant role in including the sense of social responsibility, patriotism and selfless service among the students by undertaking various activities like Literacy Program, Blood Donation Camps .It also encourages the students to participate in literary and cultural competitions. Currently college is working to get permission for NCC unit and sends the students of N.C.C. on vacant positions of other college for camps.

We have conducted state, national level as well as international level conference on “Recent Advances in computer Science, Engineering, and Technology”. This has enriched and enhanced the research activities. Institution has collaborated with companies and various organizations and is imparting consultancy through memorandum of understanding.

The College extends all kinds of support to the students and strives for their progress. Every year it publishes a prospectus and a magazine. The college has a Placement Cell which guides the students for employment.

4. INFRASTRUCTURE AND LEARNING RESOURCES:

MGM campus is spread over 72 acres of land. The college area is 4 acres. The college at present has well furnished class rooms, well equipped Laboratories, highly configured computer lab with advanced licensed software's (i.e. SPSS, MATLAB, BIOEDIT, MSDN, etc.) with non-interrupted leased line Internet connection, WIFI facility, Full-fledged Library with reading room, boys & girls hostel, gymnasium, facilities for indoor and outdoor games, a girls waiting room and an auditorium and so many different facilities to give enhanced knowledge & proper services to the students and society. The students of the college represented the university in All India Inter University competitions.

The department of Bioscience has one of the biggest systems i.e. SUN-SOLARIS System specially purchased for Bioinformatics students for their Gen-sequence analysis, which is not available in any academic College in Maharashtra. Department has a well established Laboratories of Plant Tissue Culture, Stem Cell research, Animal Biotechnology, Molecular Biology, Immunology, Biochemistry, Industrial Biotechnology, Chemical and Microbial Biotechnology and Genetic Engineering, CUBICS and Chromatography lab. The integrated research laboratory facility is professionally staffed and has a variety of sophisticated machines, including a PCR machine, HPLC, ELISA reader, 2D Electrophoresis unit, Capillary Electrophoresis unit, Lab scale fermented, etc. Maintenance of campus facility is taken care on priority basis.

5. STUDENT SUPPORT AND PROGRESSION:

The College extends all kinds of support to the students and strives for their progress. College also organizes campus interviews for placements of the students in well known companies. The College believes in equipping its students to face the challenges of the future and encourages the development of a spirit of financial independence amongst students. The Career Counseling cum Placement Cell at the College facilitates the training and on campus recruitment of our students. Many companies /organizations like Wipro, KPIT, Infosys etc. come to the College for pre placement talks and recruitment. From time to time, we take feedback from the

companies and corporate houses that employ our students. This has helped us prepare our students better to stand up to the challenges of the modern business setting. The cultural in charge and council members organizes various cultural & co-curriculum activities. College has the Grievance and Anti-raging cells look after student complaints. The Women Empowerment Cell named “Internal complaint cell “functions effectively in providing security to the girls besides enlightening them about their legal rights.

Book bank facility, fee concession, and numerous scholarships and prizes are given by the College every year. The prizes are merit based and given for excellence in the field of extra- curricular activities. Special consideration in the form of scholarships and free ships is also given to deserving students from financially disadvantaged background. Effective Tutorial system is followed for individual student mentoring. The tutors monitor and render individual support. The statutory and non statutory committees function effectively for the welfare of the students. College has established different extracurricular cell for personality development of student the students participate in different curriculum activities as well as competitions conducted by institute or any other college like:

- First aid camps
- NCC camps
- NSS camps
- Organizing Seminars / Guest Lectures by well-known persons
- Organizing Technical seminars
- Blood donation camps are conducted for the welfare
- Industrial / study tours
- Conference / Workshop/ Science Exhibitions
- State level seminar/ Workshop
- National level seminar/Conference / Workshop
- International level conference

Many students of the College have cleared competitive examinations conducted by agencies such as UPSC, State Civil Services, GRE, GMAT, TOEFL, CAT, CSIR/ UGC-NET etc. We constantly support and guide our students for career advancement and progression.

The College maintains regular contact with Alumni and former faculty through various email groups and social networking sites. Many of our alumni have come

back to their alma mater to serve as brilliant teachers. Alumni also take the guest lectures for the students and conduct the campus interviews for the students.

6. GOVERNANCE AND LEADERSHIP:

Mahatma Gandhi Mission's, Dr. G.Y. Pathrikar has well defined quality policy. College is also having ISO 9001: 2008 Quality Management System Certified. Hence various procedures pertaining to QMS are followed. The management members, principal & head of the department always try to maintain the quality through feedback, ERP, Personal Communication, Work diary. IQAC also plays an important role in maintaining the quality and future plans. IQAC prepares the academic calendar for the smooth conduction of academics, co-curricular, extra-curricular activities. At the local level, college has Governing Council having the members from management, university, industry and the local members. The meeting of Governing committee is conducted twice in a year. Though the management plays an important role in making quality policy, other stakeholders have their share in quality making. The college administration plays the lead role to decentralize the administration for the effective functioning of the college. The College Planning and Development Council meeting is convened whenever their suggestions and support is needed. The Committees are constituted to look after various activities such as admissions, examinations, NSS, games etc. The vacancies in teaching and non- teaching staff are filled up according to the University and UGC rules. The College has enough resources to meet the expenditure from the income generated from special fees, fees through self financed courses.

7. INNOVATIVE PRACTICES:

MGM Dr. G.Y. Pathrikar College of Computer Science and Information Technology College conducts Green Audit at the levels of Energy conservation, water conservation, waste management, Greenery and Pollution control. Also we have conducted Maintenance audit and Surveillance audit under that College is ISO EMS 14001:2004 Certified. Here lots of efforts are taken as per Green audit to make the campus environment eco friendly. Energy efficient star marked devices are used. A water recycling unit has been installed in MGM Campus. Recycled

water used for Sports complex grounds, Lawns, Gardens and Flush in MGM Campus. Rain Water Harvesting and water recycling unit is established in the campus. The capacity of water recycling unit is 2 Lakh Liters per day. The college campus is plastic-polythene free zone, which makes the campus eco friendly.

The Institute has established a “Green Earth club” to make environmental awareness among the student and society. The Institute has taken an initiative step like “No vehicle Day”. Smoking is strictly prohibited in the Institute premises. Exhaust fans are fitted in all laboratories which help in removal of gases and fumes. To curtail carbon dioxide emission Institute is regularly doing maintenance of AC and Fridge. Institute is ISO 14001:2004 EMS certified under the same Environmental policy which is applicable to manage hazardous biodegradable waste. Segregation of wastes is done according to its hazardous level like wet, dry and bio-degradable. Computers and peripherals are sorted and the old suitable systems are kept for reutilization as concern in hardware related training for students. To recycle UPS batteries care are taken on significant basis. The quantity of the e-Waste is negligible. The Research Coordination Committee (RCC): The RCC plays a key role in encouraging research by providing infrastructure and administrative support. (b) Avishkar Cell: College establishes Avishkar Cell at College Level. Experts guidance for the Students as well as teachers make good participation in research competitions.

M.Sc. students publish research papers in national, international journal and conferences proceedings. In view of teaching and learning aspect the importance are given to ICT related teaching methods such as flipped classroom, video conferencing lectures and online video lectures are being immersed in teaching method practices.

Stress management techniques are used to free and healthy atmosphere in college by conducting yoga and awareness session. The College Campus is in network CCTV monitoring facility. The College implemented College Assessment System through Online mode , in that different modules such as Students Module, Online Attendance, Internal Assessment, Time Table, Result Analysis, SMS and E-mail Module, Employee Portal, Online Students Feedback, Academic Monitoring, Digital wallet, Online Leaves for students and staff for positive and smooth functioning of the college. It has introduced many innovative practices for the

students to achieve quality education. It has a Learning local Chapter of (NPTEL) National Programme on Technology Enhanced, A Project funded by MHRD, Government of India. The College has a Remote Learning Center of (IIRS) Indian Institute of Remote Sensing is research institution of Indian Space Research Organization, Department of Space by Government of India. To enhance learning and teaching objectives, we are inviting software industry executives who guide the students for better improvement in Placements, Employability and Entrepreneurship Skills.

College conducted various quality Workshops, Conferences and Seminars for students and faculty improvement.

As part of Best practices we have four major best practices that helps for academic and social benefits

- College Developed MCQS Website for Academic Courses
- ICT Based Academic and Administrative Monitoring
- “Disha” a competitive study forum
- Soil and water testing laboratory

The College strives hard to achieve academic excellence and social justice. The students are encouraged to shoulder the responsibility of bringing social transformation by participating in various community-oriented programs. The College makes determined efforts to satisfy and encourage the students and stakeholders through all possible healthy practices. Organization involved the community through various activities by celebrating national festivals, free health check ups programs, various exhibitions, tree plantation, seminars of eminent personality, Sharangdev Sangeet Mahaostav, Dandi Yatra, Maraotahn, Kahdi center through which Gandhian thoughts are nurtured. On foundation day of MGM, we celebrates ‘Aao Ujala Kare’ program to promote impotence of education in the society.

The college has academic calendar. To ensure convenience, safety and security on campus, the entire campus is fitted with CCTV to enabled easy monitoring by the Principal and ensures greater security in all the areas of the campus.

Various workshops and seminars are conducted for staff and students. Training programs are organized for the teaching as well as non teaching faculties.

College provides the facility for NPTEL and IIRS for students and staff. Our college students have developed the website of MCQs which will help the students for their examination.

Our quality policy is enshrined in our vision and mission statements. It is embodied in every activity and every plan undertaken by the institution. Our college strives towards promoting and achieving excellence and works towards providing quality based education.

Self Study Report

Profile of the college

1. Name and address of the college:

Name: MGM'S DR.G.Y.PATHRIKAR COLLEGE OF COMPUTER

SCIENCE AND INFORMATION TECHNOLOGY

Address: N-6, CIDCO, AURANGABAD

City: AURANGABAD District: AURANGABAD State: MAHARASHTRA

Pin code: 431003

Website: -<http://www.mgmdrgyp.org>

2. For communication:

Office

Name	Area/ STD code	Tel. No.	Fax No.	E-mail
Principal Dr. Prapti D. Deshmukh	0240	6453031	2484445	drgypccsit@gmail.com
Steering Committee Coordinator 1)Mr.S.N.Harke 2)Ms. R.L.Telgad	0240 0240	6601268 2473816	-	rupalitelgad@rediiffmail.com

Residence-

Name	Area/ STD code	Tel. No.	Mobile No.
Principal Dr.Prapti D.Deshmukh	0240	---	9423781193
Steering Committee Coordinator 1)Ms. R.L.Telgad	0240	--	9423343788

3. Status of the Institution:

- | | | |
|------|---------------------|-------------------------------------|
| i. | Affiliated College | <input checked="" type="checkbox"/> |
| ii. | Constituent College | <input type="checkbox"/> |
| iii. | Any other Specific | <input type="checkbox"/> |

4. Type of Institution:

a. By Gender

- | | | |
|------|--------------|-------------------------------------|
| i. | For Men | <input type="checkbox"/> |
| ii. | For Women | <input type="checkbox"/> |
| iii. | Co-education | <input checked="" type="checkbox"/> |

b. By Shift

- | | | |
|------|---------|-------------------------------------|
| i. | Regular | <input checked="" type="checkbox"/> |
| ii. | Day | <input type="checkbox"/> |
| iii. | Evening | <input type="checkbox"/> |

5. It is a recognized minority institution?

- | | |
|-----|-------------------------------------|
| Yes | <input type="checkbox"/> |
| No | <input checked="" type="checkbox"/> |

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

6. Sources of funding:

Government
Grant-in-aid
Self-financing
Any other

√

7. a) Date of establishment of the college:

Date	Month	Year
22	06	2001

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

Dr. Babasaheb Ambedkar Marathwada University. Aurangabad- Maharashtra

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	9 May 2016	
ii. 12 (B)	9 May 2016	

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

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

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

(Enclose the recognition/approval letter)

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

Yes No

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

Yes No

9. Is the college recognized

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

Yes No

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

b. for its performance by any other governmental agency?

Yes No

If yes, Name of the agency and

Date of recognition: (dd/mm/yyyy)

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

Location *	URBAN
Campus area in sq. mts.	291374 sq.mt.
Built up area in sq. mts.	5810.24 sq.mt.(457.5*4=1830 sq.mt proposed building of total 4 floors.)

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

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

yes MGM trust is having centralized facility for the college.

• Auditorium/seminar complex with infrastructural facilities:

• Sports facilities :

MGM trust is having the centralized play ground .Cricket stadium Football ground, tennis court, basket ball court, volley ball court, indoor games and gymnasium etc.

* play ground

* swimming pool

- * gymnasium √

- Hostel √
 - * Boys' hostel
 - i. Number of hostel: 1
 - ii. Number of inmates: 2/3 per room
 - iii. Facilities (mention available facilities): wifi connection, hot water facilities and water purifiers, security guards, study room etc

 - * Girls' hostel
 - i. Number of hostels : 3
 - ii. Number of inmates : 2/3
 - iii. Facilities (mention available facilities) wifi connection, hot water facilities and water purifiers, security guards, study room etc.

- * Working women's hostel
 - i. Number of inmates: 2/3
 - ii. Facilities (mention available facilities)

- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise) : Nil

- Cafeteria — √

- Health centre – √

First aid, Inpatient, Outpatient, Emergency care facility,
 Ambulance..... Health centre staff – MGM is having the having the hospital in the campus and Our students and faculty member has given concession while availing the hospital facility.

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

- Facilities like banking: √
 - post office: Nil
 - book shops: Nil

- Transport facilities to cater to the needs of students and staff : Nil
- Animal house : √
- Biological waste disposal : √
- Generator or other facility for management/regulation of electricity and voltage: √
- Solid waste management facility : √
- Waste water management : √
- Water harvesting : √

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

Sr. No	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned Student Strength			Number of students admitted		
						I	II	III	I	II	III
i)	Under-graduate	B.Sc (C.S)	3 years	12 th (Science/ Mcvvc/	English	120	120	120	120	116	104
		B.Sc (IT)				60	60	60	59	47	15
		B.C.A (Sci.)				60	60	60	59	45	26
		B.Sc.(Animation)				30	30	30	26	17	-
		B.Sc(Hardware and networking)				30	30	30	-	-	-
ii)	Post-graduate	M.Sc (C.S)	2 Years	B.Sc. (Sci.)	English	I yr 60	IIyr 60	Iyr 39	IIyr 52		
		M.Sc (IT)				30	30	11	7		
		M.Sc (Bioinformatics)				20	20	24	13		
		M.Sc. (Biotechnology)				30	30	06	06		

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	2
-----	-------------------------------------	----	--------------------------	--------	---

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

- a. annual system
- b. semester system
- c. trimester system

17. Number of Programmes with

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

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

Yes No

If yes,

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

NCTE recognition details (if applicable)

Notification No.:

..... Date:

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

Validity:.....

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

Yes no

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

Yes No

If yes,

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

NCTE recognition details (if applicable)

Notification No.:

..... Date:

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

Validity:.....

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

Yes No

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

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government <i>Recruite</i>					11	13				
<i>Yet to</i>	05		10		--					
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>					03	04	05	01	01	02
<i>Yet to</i>										

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			01	01	02	00	04
M.Phil.					00	01	01
PG					01	00	01
Temporary teachers							
Ph.D.					00	01	01
M.Phil.					05	06	11
PG					04	06	09
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

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

8

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
SC	33	7	38	24	30	21	43	38
ST	9	---	8	5	5	8	4	8
OBC	83	59	89	35	53	52	53	50
General	333	214	287	230	226	204	218	232
Other	20	23	26	20	17	22	21	25

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

Type of students	UG	PG
Students from the same state	634	212
Students from other state	1	0
NRI students	0	0
Foreign students	7	5
Total	642	217

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

UG PG

26. Unit Cost of Education

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

(a) including the salary component

(b) excluding the salary component

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

Yes No

If yes,

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

University

Yes No

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

c) Number of programmes offered

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

Yes No

28. Provide Teacher-student ratio for each of the programme/course offered
1:28

29. Is the college applying for Accreditation : Cycle 1 Cycle 2 Cycle 3 Cycle 4

Re-Assessment:

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

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

Cycle 1: 12/9/2012 (dd/mm/yyyy) Accreditation Outcome/Result B grade
Cycle 2: Applying for second cycle.

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

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

32. Number of teaching days during the last academic year

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

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

IQAC 15/10/2012 (dd/mm/yyyy)

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

AQAR (i) 27/11/2013

AQAR (ii) 20/9/2014

AQAR(iii) 3/10/2015

AQAR (iv) 12/ 9/ 2016

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

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:

To be an academic institution in dynamic equilibrium in social, ecological and economical environment striving continuously for excellence in total quality education, research and technological service to the nation.

Mission:

- To create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with due consideration for ethical, and economical issues.
- To upgrade our students in all respect with the help of latest infrastructure in the area of Computer and Life science in order to build the National Capabilities.
- To understand the culture of Non-violence, truth, peace through Gandhian philosophy.

Objectives:

- Develop the students in the upcoming areas of Computer and life sciences through value-based education.
- Promote the student for higher education and research.
- Overall personality development of the students.
- Develop the transparent mode in entire working sector specifically in Admission, Account, Examination and Teaching.

All the stakeholders of the institution are communicated via a print media like posters, banners, on website, in college magazines, journals and even on the tutorial notebook. It is also done through every programme in the college. The vision, mission and objectives of the college are displayed at prominent locations in the college campus. At the beginning of the academic year, the information about the college and its standards is also communicated to newly admitted students as well as staff through orientation programme(s)/ Principal's address.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

The College follows a very systematic plan to develop and deploy action plans for effective implementation of curriculum.

- In the beginning of the academic year, the college prepares an academic calendar comprising of the entire schedule for the year.
- Every faculty member prepares a teaching plan, showing month-wise topics to be taught.
- These plans depend upon the syllabus prescribed by the University and the number of lectures allotted by it.
- At the end of every month the faculties review the topic planned and actual topic covered by individual. It is compared with the teaching plan, to find out whether there is any gap between the number of lectures planned and the number of lectures actually executed.
- Faculties prepare the actions to be taken to cover up the gaps if any.
- For effective implementation of the curriculum, the classroom teaching is also supplemented with seminars, projects and study tours, guest lecture.
- Special Facility is given to staff and student to enroll and enhance their knowledge with online Workshops, online NPTEL courses and IIRS lectures.

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?

For affiliated Colleges like ours, the University prescribes the syllabus which specifies the number of lectures, list of recommended books and bifurcation of internal and external marks. The College effectively translates the curriculum through class room teaching, seminars, workshops, innovative teaching practices such as LCD projectors,

- The University regularly informs the College about all the changes in the curriculum, so that the College can implement them.

- The College has definite procedures like Teaching Learning Plans, Teaching faculty is in the Board of Studies, and workshops are conducted jointly by the College.
- Our college faculty members attend workshop which is conducted by university Board of Studies to create awareness among teachers about the new curriculum.
- University committee members are visits us regarding CBCS pattern.
- College implemented the ERP System for online student attendance, feedback.
- College library have a large collection of CDs, DVDs and other audio-visual study materials that aid in supplementing the curriculum by providing recent trends in the subject.
- Our College provides them with the necessary infrastructure and resources, such as helping them to procure the latest references on the subject, both in Print and e-book form. Facilities like Remote Access of E-Resources also offer access to the latest online literature. Details of Syllabus revision workshops organized by the college are as Follows:

Sr.No.	Subject	Beneficiary Class
1	Computer Vision	M.Sc.(CS),M.Sc.(IT)
2	Digital Image Processing	M.Sc.(CS),M.Sc.(IT)
3	ASP.NET	All Students of UG / PG
4	Android	All Students of UG / PG
5	Uses of Blender Software	B.Sc.(Animation)
6	Basic & Advance Java	M.Sc.(CS), M.Sc.(IT)
7	Java Networking	M.Sc.(CS), M.Sc.(IT)

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.

- Our College follows a meticulous plan for effective curriculum delivery. It prepares an academic calendar showing the details of the entire year's schedule.
- The faculty members prepare teaching plans and deliver the lectures as designed.

- Some of the Teachers actively participate in framing the Curriculum, in their capacity as members of the Board of Studies for Computer subjects.
- Our college Faculty members attended the development training course after the designing of the curriculum.
- College follows the mechanism to handle slow and advanced learners in different ways such as Bridge courses /Remedial courses are conducted for the students. Besides face to face interaction in the class encourages students to express themselves freely and students are encouraged to ask questions for a better learning experience.

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

- The College regularly organizes guest lectures and seminars.
- Experts from the industry and the academic fields are invited to talk to students and the faculty.
- It also organizes industrial visits for students. The effectiveness of operations is made possible through regular correspondence with the industry.
- College also conducted SKEP workshop for students as well as faculty members to increase their knowledge.
- College also organized to visit university campus for students to awareness of new technology and how biometrics work in computer science such as biometric lab visit in university.
- College has organized the National and International Conference during which the eminent speakers and resource persons from the industry joined us. They explored their experiences as well as technical questionnaire and group discussion with the staff enhanced our knowledge.

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

- The College is affiliated to Dr. Babasaheb Ambedkar Marathwada University. The Board of Studies develops and circulates the curriculum.
- Two teachers from our college are members/invited members of Boards of Studies, and have played a leading role in restructuring of undergraduate and post-graduate curricula for various subjects.
- Also our staff members have designed and include B.Sc.(Animation) and B.Sc.(Hardware & Networking)
- There is limited scope for developing and restructuring the curriculum. Some faculty members have contributed to curriculum design and development through memberships in University bodies.
- Whenever a new syllabus is framed or existing syllabus is restructured the faculty communicates their suggestions to the Board of Studies.
- The faculty actively participates in the workshops or curriculum design and restructuring conducted by University or other institutions.
- Feedback on the present syllabi has been taken from present students and the inputs have been analyzed. Some of the inputs provided by the students have been passed on to the respective board of Studies and some suggestions are implemented through College programme for some departments.

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.

Yes,

- As the College is an affiliated College, it does not have the freedom to develop the curriculum. It follows the syllabus prescribed by the University of BAMU. However our two staff members are part of Syllabus framing committee, our college has contributed more in the designing of university syllabus for not only to our college , but the entire faculty of computer science , information technology and computer application.
- Since the University has introduced Credit Based Grading System. The departments and staff members have the freedom to frame and design the structure / method to evaluate students in the internal marks assessment.

- The College has also designed a completely revised curriculum with number of innovative changes.
- College runs the few certificate courses where the syllabus has been designed by the teachers conducting the course as follows.

Sr. No.	Name of the Course	Need and Assessment
1	Software Maintenance and Hardware Engineering.	Because of students doesn't know Maintenance has to be performed to repair the existing faults in the software. This might include bug fixes due to a bad code, or a major system repair if the problem is advanced.
2	Advances in Web Technology	To develop the websites and how new technology working in IT as well as Industry area.
3	Communication Skill and Personality Development	Personality development is very essential part of our body so how to face interviews as well as how to develop communication Skill it is necessary to students towards company.

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

- Objectives of the curriculum are achieved by framing the teaching -learning plans.
- The teaching -learning plans are in accordance with the learning objectives stated by the University in the syllabus of each subject. Further the delivery of teaching-learning plans is analyzed through student's feedback.
- Feedback on teaching from students for ensuring that the desired standards are fulfilled.

Regular departmental meetings are conducted to ensure that syllabus in the classes is fulfilling the stated objectives and are achieved while implementing.

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.

- Yes, college has taken a certificate courses. These Courses provides:
- (a) Overall development of students.
 - (b) Skill development in addition to regular academic syllabi.
 - (c) Employability of our students and keep pace with the dynamic job market.

Sr. No.	Course Description	Course Objectives
1	Software Maintenance and Hardware Engineering.	<ul style="list-style-type: none"> • Understand basic concept & structure of computer hardware & networking. Identify the existing configuration of the computers and peripherals. • Upgrading computer peripherals to identify / rectify problems onboard. • Perform routine maintenance, manage data backup & restore operations on computer and update anti-virus software.
2	Advances in Web Technology	<ul style="list-style-type: none"> • Internet has become the great source of information in the present era of modernization. • This course deals with learning of different tools through which it become easier to start web development. • Develop an ability to design and implement static and dynamic website.
3	Communication Skill and Personality Development	<ul style="list-style-type: none"> • Personality development is very essential part of our body so how to face interviews as well as how to develop communication Skill it is necessary to students towards company.

College is also prepared to offer the Skill development course under the Information and Communication Technology (ICT) from the Next Academic year:

- Hardware Assistant
- Web Designing & Publication Assistant,
- Animation & Multimedia Assistant and
- Media Developer Assistant

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

No, the college does not offer programmes that facilitate twinning /dual degree.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- Range of Core /Elective options offered by the University and those opted by the College
- Choice Based Credit System and range of subject options
- Courses offered in modular form
- Credit transfer and accumulation facility is available to PG Course
- Lateral and vertical mobility within and across programmes and courses.
- Enrichment courses.
- Service courses (Data science)
- At UG level there are five programs in computer science. And four programs in PG level.

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

Subjects offered in the elective options offered by the University and those opted by the College.

• Choice Based Credit System and range of subject options

Yes , the subject offered are : Advanced Embedded System, Data ware housing, GIT, Biometric Techniques, mobile Techniques, DSS & Intelligent System and Data Mining.

• Courses offered in modular form

No.

• Credit transfer and accumulation facility

Currently No, but very soon it would be implemented

- Lateral and vertical mobility within and across programmes and Courses

No

- Enrichment courses

Yes, following are the Enrichment courses

- NPTEL
- IIRS

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.

Yes. The college offers self - financed programmes. The programs differ in matters of admission, curriculum, fee structure, teacher qualification etc. with respect to the following:

- 1) Admission: Admission in regular programs prescribed by the affiliating university is made on merit (marks obtained in the previous exam) courses admission is on the basis of an entrance test. However, from the academic year 2014-15, the admission to M.Sc. (CS), M.Sc. (IT), M.Sc.(Bio-tech) & M.Sc.(Bio-Info.) on merit basis
- 2) Curriculum: The curriculum is designed by the concerned departments on the basis of UGC guidelines and is then approved by the Academic Council of the university. These programmes are specially designed keeping in mind the needs of society and industry.
- 3) The fee structure is decided by the implementation and monitoring committee of the university.
- 4) Teachers' Qualifications and Salary: Teachers are appointed on regular/contractual basis as per UGC/ State Government norms. Senior teachers, research scholars, adhoc teachers in the relevant fields are engaged as resource persons for teaching-learning purposes.

Programme level	Degree	Subject
Undergraduate	B.Sc.	1. Computer Science 2. Information Technology 3. Animation 4. Hardware Networking
	B.C.A	5. B.C.A (Science)
Post Graduate	M.Sc.	6. Computer Science 7. Information Technology 8. Bio-Technology 9. Bio-Informatics

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

Yes, the institutes provide additional skill oriented programmes as follows.

- Bridge courses – All students (All branches)
- Certification programmes - (All branches)
- Online courses through NPTL and IIRS
- The college focuses on all round development of students. Taking into consideration the changing needs of stakeholders and global competency, the college and our parent organization, MGM Education unlimited have taken steps to ensure skill and inter disciplinary approach in the academic programmes such as The Ant & The Elephant, Emotional Intelligent, Image Building & Mind Map for Educators.

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

No, the University does not offer any flexibility of combining the conventional face to face and distance mode of education for students. However the college is registered with NPTL for distance learning courses which are fruitful to the students as well as staff to enhance their knowledge.

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 following efforts are made by the institution to supplement the university's curriculum to ensure that the academic programs and the institution's goals and objectives are integrated:

- 1) Apart from the teaching in the prescribed syllabus, teachers update students on current affairs so that the latter remain in sync with the changing world. Lectures on moral values are also delivered to the students by the faculty.
- 2) While preparing the students for challenges on the professional front, care is taken to ensure that they do not lose sight of moral values, professional ethics and the cultural values of the country through tools such as Thought of the Day, Character Building Camps, Lectures, Seminars, Workshops on Personality Development and extension activities and other such programs of the college.
- 3) Camps and seminars on voter awareness, female literacy, prevention of child labour, blood donation, Swachh Bharat Abhiyan, so on are organized from time to time under the banner of NSS/NCC and student societies of the college.
- 4) Lectures by experts are also conducted on the campus to open new vistas for the students and the staff.
- 5) Qualitative teaching-learning methods are used with the help of computers and the Internet.
- 6) Well-equipped computer laboratories are available.
- 7) An ICT-enabled library with quality books, journals and e-resources is available.
- 8) Seminars and workshops are organized regularly.

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?

College adopt the Digital India concepts for the student to awareness about the how digital techniques are implement .Students will be trained in smaller towns and cities in five years, to develop a skilled workforce for such BPOs and the IT sector.

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

The College has conducted a number of programs to address these issues. For the Current year (2016 – 17) the following programs were conducted.

No.	Topic	Nature of Attempt
1	Recent Advances in Computer Science, Engineering and Technology	International Conference
2	Quality sustenance and quality enhancement IQAC at institution level	National Level Seminar
3	Cyber Law	State level Seminar
4	Open source software Blender for 3D Animation	Guest Lecture

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

➤ **Moral and ethical values**

For ethical values The College conduct program to inculcate trust and values among the students on Cyber Law and Ethical Hacking.

➤ **employable and life skills**

To ensure employability and life skills, we have a Placement Cell in the college.

➤ **better career options**

To ensure better career options, we have a Placement Cell for students.

Various enrichment programs are conducted throughout the year for better career options. During the 2014-15 academic year, 10 programs were conducted by the BCA/IT Department regular computer orientation courses for all students to develop basic computer operating skills.

➤ **Community orientation**

Our NSS and NCC programs are directly community-oriented. The NSS Unit regularly organizes Community Orientation Programmes in which every year we adopts a village and members of the team educate the rural people about their right and duties. The community work includes Plantation, Educational Awareness and Election Awareness campaign. These provide opportunities for our students to learn the importance of social service and helps in their personality development.

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

Our curriculum is decided by university. Students' feedback is incorporated through the participation of our senior faculty members representing the curriculum board of the University.

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

The college maintains the student's attendance and result via the online ERP System. The Staff /departmental Committee, at its periodic meetings, reviews and monitors the attendance via ERP to improve the quality of enrichment programs.

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?

Yes, The College has played a significant role in developing syllabus. Some of the faculty members of our college takes active part in development and design of the new courses & curriculum syllabus for the various courses at Degree Level such as B.Sc.(C.S.) / B.Sc.(I.T.) / B.C.A.(Sci.) / B.Sc. (General) Computer Science Optional subject/ B.Sc.(Bio-Informatics) and Post-Graduate Courses such as M.Sc.(Bio-technology), M.Sc. (Bio-informatics).

Our College has also proposed and developed the syllabus for the B.Sc.(Animation) Course which is exclusively run by us throughout the university. M.Sc (Bioinformatics) courses which is exclusively run by us throughout the university.

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 institution encourages students, faculty and alumni to furnish feedback and communicates it to the department and institute head. The Feedback is timely and regular process which is carried out once in each semester. Feedback is discussed with the staff at departmental / College meetings.

The institution also

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

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

Sr.No	Course	Year of Starting	Rationale
1	B.Sc.(Animation)	2014-15	Keeping in view the demand of Animation Industry & Advertisement. Hence we lunched the course from scratch. This course will teach the students about current techniques in computer animation.

CRITERIONII: TEACHING-LEARNINGAND EVALUATION**2.1.Student Enrollment and Profile****2.1.1 How does the college ensure publicity and transparency in the admission process?**

College ensures publicity and transparency in admission process by giving wide publicity through advertisement in leading local newspapers, as well as by using the college website, and advertisement is done on local FM radio. In addition to this, college also uses social media sites, like face book for wide publicity of admission process.

For P.G courses as per the university guidelines CET is conducted and the list of CET is displayed and the admissions are the given as per the merit list.

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 programs of the Institution.

Admissions to various undergraduate and postgraduate Courses run by college is as follows:

For undergraduate courses like B.sc (CS), B.sc (IT), BCA (Science), B.Sc. (Animation) and B. Sc. (Hardware/networking), the admission to all these courses are given on first come first serve basis.

For post graduation courses M.Sc. (CS) and M.Sc. (IT), M.Sc. (Biotech), M.Sc. (Bioinformatics) the admission are given on merit basis and common entrance test held at college level as per the university guidelines.

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

Programs		Open category		SC/ST category		Any other (specify)	
(UG and PG)	Years	Highest (%)	Lowest (%)	Highest (%)	Lowest (%)	Highest (%)	Lowest (%)
B.Sc. (C.S.) I Year	2012-13	81.63%	37.00%	79.45%	38.83%	81.40%	41.33%
	2013-14	70.66%	39.83%	55.50%	41.66%	62.83%	45.00%
	2014-15	76.61%	42.92%	62.46%	46.30%	71.69%	50.00%
	2015-16	79.69%	43.53%	75.53%	42.16%	74.46%	48.15%
	2016-17	75.38%	48.30%	72.30%	48.92%	73.53%	46.15%
B.Sc.(I.T.) I Year	2012-13	76.65%	40.83%	69.40%	42.83%	60.33%	40.50%
	2013-14	71.5%	47.66%	58.66%	51.83%	58.16%	47.33%
	2014-15	75.23%	45.23%	63.69%	58.15%	71.66%	48.00%
	2015-16	77.69%	44.00%	71.53%	37.84%	70.61%	50.30%
	2016-17	86.00%	46.66%	62.46%	50.76%	74.15%	48.61%
BCA(Science) I Year	2012-13	89.45%	42.00%	56.66%	47.00%	69.69%	39.66%
	2013-14	77.83%	41.83%	50.00%	43.50%	58.50%	42.00%
	2014-15	70.83%	45.50%	53.38%	49.16%	75.23%	48.50%
	2015-16	73.69%	43.66%	58.46%	56.00%	70.30%	45.16%
	2016-17	78.30%	48.30%	60.00%	45.69%	76.83%	47.53%
B.Sc.(Animation)	2012-13	--	--	--	--	--	--
	2013-	--	--	--	--	--	--

n) I Year	14						
	2014-15	70.61%	41.66%	46.00%	--	--	--
	2015-16	71.69%	49.53%	77.07%	39.84%	66.46%	49.50%
	2016-17	79.07%	46.46%	70.30%	47.38%	68.30%	43.07%
M.Sc. (C.S.) I Year	2012-13	81.07%	57.6%	68.21%	62.7%	74.08%	65.2%
	2013-14	82.25%	60.97%	67.3%	64.42%	84.87%	63.4%
	2014-15	80.1%	58.33%	76.97%	74.01%	79.87%	68.00%
	2015-16	83.37%	58.67%	75.67%	58.67%	74.87%	60.00%
	2016-17	77.6%	53.00%	58.00%	58.00%	70.07%	45.33%
M.Sc. (I.T.) I Year	2012-13	83.47%	55.33%	67.91%	63.67%	75.00%	60.00%
	2013-14	85.03%	63.03%	68.67%	68.67%	80.11%	54.67%
	2014-15	80.00%	50.02%	64.03%	56.00%	84.00%	61.00%
	2015-16	63.1%	60.6%	53.33%	53.33%	73.1%	56.7%
	2016-17	84.25%	57.67%	69.8%	59.33%	78.67%	68.60%
M.Sc.(Biotech) I Year	2012-13	63%	56%	52.33%	49.33%	58.62%	52.33%
	2013-14	72.8%	48%	57.11%	51.31%	63.8%	51.7%
	2014-15	57.83%	54.11%	65%	53.11%	61.33%	59.06%
	2015-16	56.13%	53.67%	59.12%	56.12%	58.16%	52.13%
	2016-17	64.11%	57.6%	62.3%	52.1%	59.6%	48.17%
M.Sc.(Bioinfo) I Year	2012-13	NA					
	2013-14	NA					

	2014-15	NA					
	2015-16	81.60%	64.5%	75.08%	-	81.6%	69.10%
	2016-17	80.5%	60.25%	73%	-	78.6%	65.5%

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

The institute has the mechanism to review the admission process & student process annually. Under this process admission review meeting is held with top management , college principal & head of the departments & discuss the various lacunas like publicity, dealing with enquiries, infrastructure etc. these lacunas are overcome in next admission process.

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

An institution helps the students in getting GOI scholarship for the SC/ST students for getting minority scholarship for the Government of Maharashtra for helping the economically weaker section students and different aided students. College students submit the fees concession application top management and after that depending upon category of students, college give concession in fees for those students.

In this way institute reflect the national commitment to diversity and inclusion.

In addition to these institute runs “Earn and learn” scheme in college with assistance of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

As maximum women teaching staff is in college, so that the maximum girl students get admitted. In campus separate girls hostel facility is available. A wheel chair and

special arrangements is provided for differently abled student. Special seating arrangement is made for differently abled students for theory and practical examination at ground floor strictly.

The minimum passing marks of students from SC/ST/OBC and economically weaker section is 5% less than the other category students and financial concessions are provided to those students. As per government GR, women candidates are provided with equal opportunity. Separate hostel facilities are available for women. Counseling is provided to needy parents and students on the importance of women education

2.1.6 Provide the following details for various programs 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.

Programs (UG and PG)	Year	Number of applications	Number of students admitted	Demand Ratio
B.Sc. (Computer Science)	2012-2013	721	509	1:0.71
	2013-2014	586	384	1:0.66
	2014-2015	691	304	1:0.44
	2015-2016	536	306	1:0.57
	2016-2017	329	340	1:1.03
B.Sc.(Information Technology)	2012-2013	122	96	1:0.79
	2013-2014	158	75	1:0.47
	2014-2015	194	63	1:0.32
	2015-2016	211	77	1:0.36
	2016-2017	186	121	1:0.65
BCA(Science)	2012-2013	145	131	1:0.90
	2013-2014	173	122	1:0.71
	2014-2015	125	99	1:0.79
	2015-2016	168	106	1:0.63
	2016-2017	187	130	1:0.70
B. Sc.(Animation)	2012-2013	NA	00	00
	2013-2014	NA	00	00
	2014-2015	18	06	1:0.33
	2015-2016	44	23	1:0.52
	2016-2017	63	46	1:0.73
M.Sc. (Computer Science)	2012-2013	132	111	1:0.84
	2013-2014	144	114	1:0.79
	2014-2015	121	98	1:0.81
	2015-2016	156	104	1:0.67
	2016-2017	111	91	1:0.82
M.Sc. (Information Technology)	2012-2013	32	30	1:0.94
	2013-2014	45	40	1:0.89
	2014-2015	41	35	1:0.85
	2015-2016	37	27	1:0.73
	2016-2017	22	18	1:0.82
M.Sc.(Biotech) I Year	2012-13	64	39	1:0.82
	2013-14	27	18	1:0.75
	2014-15	23	19	1:0.35
	2015-16	30	22	1:0.78
	2016-17	24	21	1:1

M.Sc.(Bioinfo) I Year	2012-13	NA	NA	NA
	2013-14	NA	NA	NA
	2014-15	NA	NA	NA
	2015-16	10	08	1:1
	2016-17	08	08	1:1

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?

1. For Physically Challenged Students:

- Wheel chair facility
- Hostel facility on priority basis
- Prompt assistance during and after the admission process.
- They are also given half an hour extra time in the internal and University examinations

2. For Blind Students:

- Writer is provided during examination.
- They are also given half an hour extra time in the internal and University examinations

3. For SC/ST/OBC students:

- The college conducts UGC Sponsored Remedial Classes in respect of SC/ST/OBC/non-creamy layer and academically weak students free of cost. The remedial classes are undertaken with an aim to enable them to crack post-graduate entrance examination being conducted across the country and to reduce dropout rate.
- The college offers financial assistance to such students within its financial limits on priority basis and forwards their cases to the State Social Welfare Department for grant of scholarship/financial support.
- Physically challenged students possessing skills in music, oratory, group discussions are identified and they are made to represent the college in the intercollegiate events. Likewise they perform commendable job for the college

- Teachers are available to the parents of the differently abled students so as to communicate their needs and any others problems related to academics. Further the mentor in charge also guides the parent and the students.
- Government policies like providing scholarships, etc. are available
- The staff and employees at our Institution are also especially considerate and courteous to extend both academic and personal support to this special category of students
- In order to relieve tension and stress, to increase concentration, focus and attention span of students, the College conducts Yoga Shibirs.
- College maintains an open door policy with regard to the needs of differently-abled students and is in conformity to the prevailing educational policies of the Government of Maharashtra.

2.2.2 Does the institution assess the students needs in terms of knowledge and skills before the commencement of the program? If ‘yes’, give details on the process.

Each department assigns a Mentor for establishing a profile for every student admitted. The profile details educational attainment at school level, socioeconomic background, special talents and personal goals. This practice is an effective tool for the analysis of differential requirements of students. Throughout the study period, the student is under the care and guidance of the assigned mentor. The mentor is responsible for addressing academic, psychological and economic issues.

Institute arranges some remedial courses, pre-requisite programs, Induction programs and simultaneously we also conduct bridge-courses to enhance students knowledge.

Details of the different sections of the students identified by the college are as follows:

Sr. No	Different Sections of Students	Percentage
1	Advanced Learners	75%
2	Slow Learners	25%
3.	Male Students	46%
6	Female students	44%
3	Economically weaker sections (EBC)	4%
4	Reserved categories	15%
5	Minorities	20%
7	Rural students	40%
8	Urban students	60%
9	Differently abled	0.5

Through the regular interaction with the students, the assessment of their knowledge and skills is carried out in the classroom during the initial lectures.

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

Institute runs the short term courses like managing and maintaining computer hardware and software, Web designing short term courses for the students as enrichment courses. In addition to these institute also arranges various seminar and workshop at the college level for students so that they could cope with the program of their choice.

- Extra coaching classes are conducted for students admitted late.
- Guest lecturers from the industries are invited and their lectures help students to get practical and in-depth knowledge on subject-related areas.
- Industrial visits and field trips are organized for the students.
- Monitoring of students ‘progress is done through the Mentoring system.
- Individual help is rendered as and when required by respective teachers.
- The Institute sincerely attempts to minimize the knowledge gap to nable students to cope up with the program by organizing various orientation programs focusing on the importance of the course and future opportunities.

- We take remedial lectures for slow learners and lectures on basic concepts. This helps them to cope up with the subject and the understanding of the basic concepts which in turn increases their confidence and understanding.
- Based on the psychology of the student we engage the student in formal and interactive counseling with our advisor or counselor. This provides the necessary confidence and enthusiasm to student.

Sr No	Courses	2012-13	2013-14	2014-15	2015-16	2016-17
1	Hardware & Networking Courses	H/W & N/W course conducted	H/W & N/W course conducted	H/W & N/W course conducted	H/W & N/W course conducted	H/W & N/W course conducted
2	Web Development Courses	Web Development Courses	Web Development Courses	Web Development Courses	Web Development Courses	Web Development Courses
3	Add-On	Conducted some add-On courses	Conducted some add-On courses	Conducted some add-On courses	Conducted some add-On courses	Conducted some add-On courses
4	Remedial Courses	We conduct lectures for Slow/advanced learner	We conduct lectures for Slow/advanced learner	We conduct lectures for Slow/advanced learner	We conduct lectures for Slow/advanced learner	We conduct lectures for Slow/advanced learner
5	Enrichment Courses	Nil	Nil	Nil	Nil	We are planning to start enrichment courses
6	Pre-requisite	Implemented pre-requisite program at the beginning of semester	Implemented pre-requisite program at the beginning of semester	Implemented pre-requisite program at the beginning of semester	Implemented pre-requisite program at the beginning of semester	Implemented pre-requisite program at the beginning of semester
7	Bridge Courses	Classes conducted for bridge courses course wise	Classes conducted for bridge courses course wise	Classes conducted for bridge courses course wise	Classes conducted for bridge courses course wise	Classes conducted for bridge courses course wise

2.2.4. How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?**1. Gender Sensitivity :**

- College organizes activities for all eligible individuals to participate in any of the academic / extracurricular, co-curricular activities.
- Women Empowerment Cell of the college takes initiative in conducting various activities on gender sensitive issues and brings women experts to the campus to interact with the girl students.
- College sensitizes its staff and students on issues such as gender, inclusion, environment etc. by displaying notices in the college premises.
- College arranges Guest lectures on such issues by experts in concern fields.
- “SAKSHMA” group of our college basically working on women empowerment.
- Under the “Internal Complaint Cell” we work for women empowerment and we organize guest lectures on gender bias.
- The program of “Tarunyabhan” by Mrs. Swati Shiradkar has guided us on gender sensitivity.
- We have organized lecture on gender sensitivity by Dr. Mebal Fernandiz under our “Internal Complaint Cell”.
- MGM has a tradition of imparting holistic education with emphasis on the ethical and moral principles. Our Institute runs coeducation and creates awareness among its staff and students on issues such as gender inclusion, environment and by holding seminars on relevant topics.

2. Environment :

- College is EMS 14001:2004 certified.
- College is ISO 9001:2008 certified
- The College makes a thorough environmental assessment of the campus and implements healthy ecological practices in water and energy conservation and waste management. The three _R’s: Reduce, Reuse, & Recycle form the essence of every eco-friendly practice adopted in the College.

- Students are motivated to keep a clean and litter-free environment in their class rooms and laboratories in particular, and around the campus in general. Dustbins/Litter-bins are kept at strategically located places within the college campus
- In order to make students conscious about their responsibility towards the environment they are advised to save electricity by switch off the lights and fans while leaving the classrooms and laboratories.
- In support of conservation of nature the college also implements the healthy practices such as, No Vehicle Day on the first working day of every month.
- Environmental Day is also celebrated.
- The college has integrated Environmental Studies into the curriculum to create among students an awareness of environmental concepts and issues both as members of a college community and as responsible citizens.
- We organized self defense program on the occasion of women's day.
- The college keeps online data of all students which reduces paper use.
- We have mounted sign boards which provide instructions to student's awareness about environment, limitations on use of phone and instructions to follow in lab and latest technology information as well.

3. **Inclusivity**

- Value added education lectures are arranged for all the college students, through which they are sensitized on various issues such as the importance of education for the weaker sections and combating social evils. They are motivated to acquire an inclusive attitude towards one and all. The twin values of equality and brotherhood are inculcated in them.
- Through various capacity-building strategies students are involved in issues affecting society. NSS students are sensitized about these issues during the camps.
- With over 800 average enrolments per year and above 32 staff members, we have a significant diversity in student and staff community across varied religious and ethnic backgrounds. By bringing in dedicated student cells and cultural programs, we promote awareness and appreciation of cultural diversity among our students and staff.

- Celebration of Birth Anniversaries of eminent personalities such as Shivaji Maharaj, Swami Vivekananda, Savitribai Phule, Dr. Sarvapalli Radhakrishnan, Ramanujam, Dr. B. R. Ambedkar etc., also motivates the students and staff communities to imbibe the great qualities of these eminent personalities which in itself would help in sensitizing and creation of awareness of harmonic co-existence.
- College organizes reading activity on the on the birth Anniversaries of eminent personalities such as Dr. B. R. Ambedkar, Dr. A. P. J. Abdul Kalam
- Green earth club was established to sensitize staff and students on the issue of environment.

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

Advanced learners are identified by their academic track record, their performance in the class tests and their interactions in the class room discussions. Post identification, the following initiatives are taken up in order to engage and advance their knowledge and skills:

Advanced Learners :

- Efforts taken.
- Special live Projects are provided by advanced learner.
- Campus Interviews by Placement Cell.
- Promoted for competitions organized at different places
- Provide the additional training aids such as additional library books and extended hour in the laboratories and also provide special coaching.
- Special attention and guidance is being provided by faculty
- Opportunities are given to work as a member in various cells and committees
- Display of their photographs in the College Magazine/ College Prospectus/ College Website so as to motivate them to sustain their level and also to motivate the other students to take example of these students.
- Reading lists are provided to supplement their subject knowledge
- Leadership positions in extracurricular committees/activities
- Encourage research activities and paper presentations and publishing at national seminars

- Recommendation for career advancement
- Display of articles on scientific social issues written by the students are published on the notice board for display
- Students are provided with open accesses to different educational consortiums such as edx.com, coursera.org and mox.com.
- Communications with seniors for job prospects
- All possible efforts are made to achieve higher grades, more academic honors, and development of superior intellectual curiosities, creativity, leadership
- skills, and awareness of capabilities, objectivity and research aptitude.

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

- The college keeps records of attendance of the students in the form of attendance sheet and assesses the academic performance of the students through internal examinations, assignments and projects.
- College uses ERP system for maintaining attendance record.
- The concerned teacher and mentor evaluate performance of the students.
- The College also has an active attendance monitoring system which is analyzed and reviewed regularly. Trends of absenteeism are picked out, thus also identifying potential dropouts in the process.
- Students from disadvantaged section of society college gives fees concession for those students.
- If slow learners are there institute arrange extra lectures for them.
- For economically weaker management also gives concession in fees also provides installment facility in fees so that the students may continue their studies.
- The dropout rate of the college is very less due to the following initiatives:
- The identified students and their parents/guardians are counseled and approached to ascertain the reasons causing absenteeism and poor academic performance.

- Students are individually called for discussion with mentor to solve academic difficulties.
- The College offers various subject combinations so as to accommodate choices which meet students' likes and preferences. This has helped to evade the problem of fall in attendance, failure in exams, and general irregularities
- In case of any economic problems faced by the students necessary financial aid is provided such as fee waivers, delayed fee payment options to the student
- The Institution collects and analyses data from;
 - i) Academic performance
 - ii) Attendance records
 - iii) Student behavior and attitude
 - iv) Faculty feedback
- Remedial Measures for disadvantaged Sections, Slow Learners and others:
 1. Special coaching
 2. Remedial classes
 3. Financial concessions
 4. Placement cell
 5. Supervised group work

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.)

At the beginning of every Academic year, Academic Calendar is prepared. Every teacher maintain a Work Diary semester wise in Work Dairy teacher maintain Faculty Timetable , Faculty Research And Development Record, Seminar and Conference Attended, Course Plan as well as Major/Mini Project, Pre-Requisite Program, Program for Advanced Learner, Program for Slow learner, student Counseling Record, Course Plan, Extra lecture Schedule , List of Book (Reference Book) , Theory Attendance Record, Practical Attendance Record, Term Work/ Record Book Submission record of student, Result Analysis, Details of Administrative Work Assigned to Faculty as well as online services like ERP is implemented in college through which theory & practical

attendance maintained in addition to these notes, books, tutorials for students uploaded for the reference.

1. Internal Syllabus committee- The syllabus committee decides the allocation of subjects to various faculty and provides the copies of the specified syllabus to them.

2. Time table committee- The timetable committee formulates the time table and observes that the time table is strictly followed. The committee assures that every faculty receives the timetable in soft copy. Teaching Plan Preparation of the comprehensive lesson plan for the semester by individual teachers is mandated. The H.O.D. of the Institute ensures that the same is adhered to in the Institutional timetable and allotment of work load clearly defines the role of each faculty. The work done diary is maintained by each faculty and completed on monthly basis and submitted to the Director for verification. Evaluation The students are evaluated by Institute in the following manner:

1. Attendance
2. Unit test
3. Seminars
4. Quiz context
5. Group discussion

The students are evaluated by university twice a year as we follow semester method of assessment. The exams are held at the end of each semester. Academic Calendar together with the systems of teaching, learning and evaluation processes are closely monitored by the principal.

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

To improve the teaching-learning process and Objectives of the college, the IQAC plays an Vital role in quality improvement in the teaching-learning process. IQAC takes the meetings in which activities relating to the academic development of the student such as regular lectures, guest lectures, seminars, workshops, co-curricular activities, and extra lectures for failed students and slow learners. Then this information is shared with all faculty members for improvement purpose. College arranges parent-teacher meeting, IQAC arranges

faculty feedback through ERP from individual students, and gives extra time after lecture to ask their difficulties after every lecture.

College also encourages the teachers to participate in seminars, workshops, conferences which broadens the knowledge horizon of the teachers and helps them in keeping abreast with recent development with Academic Council and all the committees of the college to ensure effective implementation of the activities planned. College also promotes teachers for Research and Integration .

College arranges for final year students Industrial Visit and it promotes of industry Interface with faculty & students.

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

For making the learning process student centric college implements the following structure. The Institute is affiliated to Dr. Babasaheb Ambedkar Marathwada University and the curriculum is followed as per the prescribed format. Students take up individual and group projects on topics concerning their specific subjects. Participatory learning through group seminars, field visits and poster making supplement class room teaching. Students promote the lab to land concept in some of their extension activities thereby developing self-management of knowledge and skill formation.

The use of ICT also makes the learning process student-centered. Students are encouraged to make power point presentations on completion of projects in consultation with the teachers. They acquire several skills (documentation, usage of statistical tools, analytical abilities and software management) while preparing the power point presentations. Seminars are regularly organized by the Institute in collaboration with students. Poster making develops their cognitive and creative skills. Regular assignments to the students are given based on the subject included in their curriculum and also non-curricular subjects. Library hours are allotted. Mentoring the students on an individual basis for both their academic & emotional needs has been the student centric approach which is elaborated as follows:

- 1) Learning- is achieved by adopting interactive method of teaching during regular theory classes through:
- 2) Interaction with industry experts are organized to expose students to the latest trends & developments in the fields of microbiology & biotechnology by conducting
- 3) Guest Lectures
- 4) Seminars
- 5) Independent Learning skills through: Short term projects undertaken by the students and Students are encouraged to regularly access the Library.
- 6) Through ERP the attendance is continuously mentioned by the institute head and the department head and if the student is regularly observed absent then informed to their parents concerning the absences of students.
- 7) Tutor ward system is implemented through which individual attention is given to every student.
- 8) With regular syllabus to have more knowledge Bridge courses are conducted at the beginning of semester or during the semester.
- 9) Pre-requisite programs are also conducted

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- The institute observes the students creativity through Extra Curriculum Activity and through this activity is helpful for faculty to identified that how many students is interested in Creativity and innovative nature.
- To narrate critical thinking creativity & scientific temper among the student, the institute uses effectives teaching contents with examples & encourages diversity in through process by answering these questions.
- Faculty implements their teaching process as per student's interest and takes multiple examples with good explanation.
- In addition to this, institute involves student participation in research activities & conduct creative & innovative lectures by experts in particular domain.
- The institute makes available multiple Major and Mini Project for students as per their capability.

- Institute also gives freedom to all students to choose various innovative project topics as per their writing review paper or research papers for magazines & journals in the field of Computer Science & Information Technology.

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

- College uses various multimedia tools for teaching & learning process like Projector, home theater.
- Like college use PPT presentations, online lectures, Video Conferencing and we also use Flipped classroom techniques.
- College arranges the centralized communication classes from the Communication Skills faculty member as per requirement of syllabus for various UG & PG students.
- College has subscribed various free and paid journals from the field of Computer Science and information Technology and issue to students as they required.
- College arranges online lecture of National Programme on Technology Enhanced learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), College Does available Internet service for all faculty member.
- State-of-the-art practical laboratory facilities available in the Institute (Industrial Biotechnology, Chemical Biotechnology, Microbial Biotechnology, Genetic Engineering, Central laboratories, DNA sequencer room, centre for bioinformatics, Seminar Hall help to provide hands on training to the students and faculty.
- The seminar hall is provided with fixed LCDs. Besides these, institute has two moveable LCDs which can be carried to any class room.
- Besides, teaching is made effective through: coffee biotech and use of educational CD'S etc. CDs & DVDs related to subjects are played using LCD to provide audio-visual aid & enhance teaching & learning process. Self- learning through computer assisted learning packages, CD- ROMs are encouraged. State-of-the-art equipments are available for effective teaching.

- The faculty members are encouraged to visit to the online system of NPTEL, which contains a package of lectures on different aspects of Biotechnology and Bioinformatics which helps the faculty to improve their knowledge and teaching skills in the class rooms.

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

College arranges various seminars workshops in-house as well as promotes faculty to attend national and international events related to computer Science and Information Technology, which could help the faculty to get the knowledge of recent trends and techniques in the field of computer Science and Information Technology.

Faculty Development:

The college organizes a number of Seminars, conferences, Workshops for the faculty to enable them to keep abreast of recent developments as follows:

Sr. no.	Date	Workshops/seminar/Conferences	Place
1	14/2/2014-15/2/ 2014	Two Days Workshop on Student Career Guidance by Forensic Science by Mr. S. G. Gupta, Mr. N. M. Phatangre	Life Long Learning
2	2/10/2014	Essay Competition on the Occasion of “Gandhi Jayanti “	MGM Campus
3	24/8/2016	One Day Workshop On Ganesha Idol Making Using Natural Ingredients	Animation Dept & EMS
4	13/8/ 2013	Workshop On E-Governance	Dr.B.A.M University,Aurangabad
5	21/8/2013	Workshop On Soft Computing	MGM JNECE,Aurangabd
6	14/6/2014	Two Weeks ISTE Workshop On Computer Progammng By IIT Bombay	IIT Bombay
7	10/7/2014- to 20/7/2014	Ten Days Workshop On Cyber Security	IIT Bombay
8	29/6/2015 To 7/7/2015	10 Days Faculty Development Program Organized By Infosys, Mysore	Mysore
9	19/1/ 2016	State Level Avishkar Research Championship At Pune	Pune University

		University	
10	4/1/2016 To 14/1/2016	10 Days Faculty Development Program Organized By Infosys, Pune	Infosys, Pune
11	15/8/216 - 25 /8/ 2016	10 days Faculty Development Program organized by Infosys, Pune	Infosys, Pune
12	20/8/2016	Organized Seminar on "cometitive Exam Preparation " by Pankaj Khandagale	Gyp Conference Hall
13	17/2/2016- 18/2/ 2016	Two Days IETE National Workshop on Multicore technology	Gyp Conference hall
14	2/2/2016 to 3/2/ 2016	Two Days National Workshop on Android App Development in collaboration with IIT , Madras and ARK Techno-solutions, Mumbai	Gyp Conference hall
15	21/3/2016	Android App Challenge Competition	Gyp Conference hall
16	27/7/ 2016	Indian Institute Remote Sensing (IIRS) workshop on Capacity Building Program For Assest Mapping	Gyp Conference hall
17	5 /8/2016 - to- 6 /8/2016	IEEE Bombay Section SKEP Program	Gyp Conference hall
18	7/1/ 2013	Workshop on Geo-Spatial Technology By Prof. K. V. Kale	Gyp Conference hall
19	17/1/2014 to 18 /1/2014	Two Days Workshop on ASP.Net	Gyp Conference hall
20	16 /6/2014 to 18/6/ 2014	Three Days NET/SET/GATE Workshop	Gyp Conference hall
21	22/8/2014 - to 24/8/ 2014	Three Days Workshop on Matlab and Image Processing by Dr. R. R. Manza	Gyp Conference hall
22	26/8/ 2015	Two Days Workshop on " Advances in java Programming" Organized by "Mr.Giri	Gyp Conference hall
23	4/8/ 2015	Guest Lecture " Cloud Computing & CRM " by Mr. Bindesh Khushwah - WIPRO Technologies, pune.	Gyp Conference hall

24	18 /1/2017	One day State Level seminar Cyber Security and Cyber Law By Sachin Dedhia	Gyp Conference hall
25	31/1/2017 to 1/1/2017	Two Days National Level Seminar On Quality Substance and Quality Enhancement by IQAC at Institution Level	MGM's Rukhmini Hall
26	2/2/2017 To 4/2/2017	3 Days International conference on RECENT Trends in Computer Science, Information Technology and Engineering	MGM's Rukhmini Hall

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

- Tutor ward system is implemented in college in which in which a group of 30-40 students is assigned to every teacher and it is the responsibility of that teachers to advice students regarding as academic growth, personal issues.
- College organize the parents meet twice in a academic year in which students are guided for their academic performance and carrer and personal issues with the environments of parents.
- Training and placements department provides carrier counseling from various profession entrepreneurs development sense and provides their future carrier.
- MGM Trust provides the facility by MGM's Medical Hospital to students:

Sr. no.	Name of the Service	Number of students benefitted
1	Student Mentor System	324
2	Placement Cell	50
3	Self Defense Cell	40
4	Yoga	30
5	Medical	70

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 faulty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

We strictly follow conventional method with strong support from the modern audio visual technologies and infrastructure which shows commitment to our

mission. The institute constantly encourages faculty on ICT, Library resources to update learning & use of other technological aids which helps in enhancement of knowledge & skills. For all our courses alternative teaching methods are adopted. Some of the methods of enhancing the learning experiences are as follows:

- i) Interactive Method: - Conventional classroom lecture method supported with ICT-PPT, LCD, and Audio-visual (DVD & CD), learning through power Point presentation, faculty uses moocs.org, NPTEL, Corsera.org for interactive teachings.
- ii) Presentations by the students on subject topics are made compulsory and assignments are integrated with teaching.
- iii) Project based Learning: It is a mandatory component in biotechnology areas based on the courses and the needs.
- iv) Computer assisted learning: - The Institution has provided broad band internet and Wi-Fi facility to all the staff and student. This indirectly benefits the student's community and teacher's knowledge is uplifted due to this activity.
- v) The Institution has computerized library and office.
- vi) The office bearers of the Institution are eager to depute the teachers for reference work for innovative research, project and academic activities.
- vii) The results of such positive practices of the Institution for the teachers are highlighted through industry visits, exhibition visits, events like Biotech day and coffee biotech.

Through ERP study material, individual ppts are uploaded.

- Teachers are provided support for their teaching methods like industrial visits etc.

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

- Library provides the latest edition of all reference books of various courses in adequate numbers of copies.
- Library subscribes various news paper , magazines, e-journals on the subject for research.

- Library also keep old project for reference.
- Spacious reading room is available & during exam period the library remains open for a long duration.
- Books and journals are provided on demand of teachers and students.

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

The Challenges of completing the curriculum within the planned time frame and calendar is critical task. Academic faculties prepare their course plan month wise in advance. However if there are any un-planned activities or events due to some unforeseen circumstances there may face a problem in completing a syllabus within the stipulated time period. Under such circumstances the faculties who are facing problems in completing the syllabus conduct extra classes and students are asked to attend extra classes as per the scheduled time table displayed on notice board by concern faculty.

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

a) ISO 9001-2008 certified-

Our Institute is certified with ISO 9001-2008. Regular internal and external audits are conducted following ISO guidelines and recommendation. This ensures the basic mechanism of monitoring and evaluation of the quality of teaching and learning at the Institute.

b) Quality of Teaching:

Besides ISO recommendation of teaching monitored through feedback mechanism every semester, the pedagogic performances of the teachers are confidentially studied for points of merits and demerits. Suggestions are given by head of the institution for better performance. The authority visit “Live Classes” and checks attendance report and daily diary of the teachers with an eye on the black board use by the teachers.

c) Teaching Methods:

Training programmes are organized for effective communication skills.

Experts from India and abroad are called to reorient the staff to new teaching

methods.

d) Classroom environment:

1) The teacher continuously moves around the class room which keeps student always alert.

2) For making teaching interactive the faculty ask questions relevant to topic of the lecture and insist on participation by all students.

3) Surprise tests are also taken by the faculty to check the preparedness of the students to the subject

4) Students are also asking to use the board to explain a paragraph and text.

e) Student Performance:

The performance is monitored through Continuous Internal Assessment (CIA), tests, seminars, power point presentations, home and class assignments.

Various records are maintained by U.G and PG coordinators and these are checked regularly by Principal for complying with standards and performances.

d] Institute has in place a healthy feedback collection system. The student feedback system wherein feedback is taken from the student every semester and transparency is ensured in the process and the data of feedback is analyzed and submitted to the principal and if principal observed the some areas of improvement them individual faculty member is counceiled by principal. In addition to the institute takes suggestions from students with respect to teaching-learning which helps to improve the teaching learning process.

Result analysis is done on regular basis after every semester and further planning and action is taken through academic council meeting and management courses meeting as well as management reviews meeting.

2.4. Teaching Qualities:

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

The teaching faculties are recruited as per the guidelines laid down by UGC (University Grants Commission), Government of Maharashtra and Dr. Babasaheb Ambedkar Marathwada University Aurangabad.

The brief recruitment process is as follows

- Requirement of faculty is calculated on the basis of workload in an Academic Year and accordingly, vacancy positions are finalized.
- The numbers of vacant posts are conveyed to the special cell of the university; the university fixes Course- wise reservation and allows the publication of the advertisement.
- Advertisement is published in the leading newspapers as well as on the website of the Institute. From the applications received, eligible candidates are shortlisted and called for interview through Selection Committee of University consisting of university nominee, subject experts, a government representative and experts nominated by management, the candidates are selected by oral interviews and, through demonstration lectures. Teachers with excellent academic record are recruited.
- During service teachers are encouraged to maintain high academic level by granting opportunities for reference reading, research work and extension activities

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Ph. D.		01			04	01	06
M. Phil.					05	04	09
P. G.					06	06	15

The College has faculty strength of approximately 26 full-time teachers, besides some visiting faculties.

Strategies adopted by the college to retain the staff includes

- Competitive and attractive compensation,
- Transparency in working.
- Teachers are encouraged to write and publish articles, books as well as research papers
- Conducive environment is provided to them in the

None Aided Departments: (Under Graduate)

Sr. No	Departments	Total Sanctioned faculty	No. of PH. D.	No. of M. Phil	Total filled in posts	Vacant Posts
1	Computer Science	40	03	07	23	17
2	Information Technology / B. C. A. Science / Animation /Hardware and networking					

Non Aided Departments: (Post Graduate):

Sr. No	Departments	Total Sanctioned faculty	No. of PH. D.	No. of M. Phil	Total filled in posts	Vacant Posts
1	M. Sc. Computer Science	10	05	02	07	03
2	M. Sc. Information technology					
3	M.Sc.(Biotech.)					
4	M.Sc.(Bioinformatics)					

2.4.2 How does the institution cope with the growing demand or scarcity of qualified senior faculty to teach new programs or modern areas (emerging areas) of study being introduced (Biotech and Bioinformatics)? Provide details on the efforts made by the institution in this direction and the outcome during last three years.

1. To cope with the growing demand on qualified faculty, institute recruit new faculties as per guide lines of Dr. Babasaheb Ambedkar Marathwada University highly competent and experienced faculties are appointed to improve the teaching quality.

2. In addition to this institute organize guest lecture of qualified senior faculties from professional organization so that they could provide their expertise in practical areas of subjects.
3. The outcome of this is that our student’s placement is increased.

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

Academic Staff Development Programmes	Number of faculty nominated			
	2013	2014	2015	2016
Refresher courses	Nil	04	Nil	Nil
HRD programmes	Nil	Nil	Nil	Nil
Orientation programmes	Nil	01	Nil	Nil
Staff training conducted by the university	Nil	Nil	02	04
Staff training conducted by other institutions	Nil	08	03	06
Summer / winter schools, workshops, etc	Nil	Nil	Nil	Nil

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

Faculty Training Programs	Number of Training Programs organized			
	2013	2014	2015	2016
Faculty Training Programs	3	7	12	10

c) Percentage of faculty

Particulars	Percentage of Faculty			
	2013	2014	2015	2016
Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies (include CA)	6.89%	6.89%	6.89%	6.89%
Participated in external Workshops / Seminars / Conferences recognized by national/ international professional	16.66%	16.66%	16.66%	40%

bodies				
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	20%	20%	30%	40%

2.4.4 What policies/systems are in place to recharge teachers ? (e.g. providing research grants, study leave support for research and academic publications and teaching experience, other national institutions and specialized programs, in trial engagement etc.)

- a) The Institution extends full support for the professional development of the faculty. The faculty is encouraged to pursue their M. Phil. & Ph.D. Application for research grants for major and minor projects are encouraged, recommended and forwarded. The staff members are motivated and encouraged to participate in refresher & orientation programs, national, international conferences/Seminars (within and outside India), in-service training, and organizing national / international conferences. The Institution also conducts number of seminars, workshops & special lectures for the benefit of faculty. To facilitate smooth progress and recharge teachers, the
- b) Institute takes initiative in
 - sanctioning training program and leaves to scholars,
 - seeking experts advice and support
- c) The Institution provides duty leave to faculty for participating and presenting papers at national and international conferences. 40% of faculty have availed the facility. These provisions have contributed in improving the research culture amongst staff as they have initiated their research activities.
- d) Teachers are encouraged for research academic publications and participation in various seminars, workshops etc.
- e) The institutes organize workshops for the development of faculty members.
The details are as follows:

Sr. No	Year	Name of Faculty	Name of Organizing Institute	Topic
1	2012-2013	Dr. Bapat, Dr. Pritam Phale.	MGM GYP	AIDS Awareness
		Dr.Mebal Fernandis, Dr. Nazma Shaikh, Mrs. Shubhanti Gavane	vishakha cell. MGM GYP	'Sexual Harassment at Workplace'
		Dr. Dileep Ghar	MGM GYP	'Personality Development
2	2013-2014	Adv. Archana Gondhlekar	vishakha cell. MGM GYP	Sexual Harassment at Workplace'
		Prof. N,K.Bagul	MGM GYP	"ShivChatrapati Shivaji Maharaj
		Dr. U.M.Pathan	MGM GYP	"Saint Sahitya-Shikshana Sambhandicha Drishtikon"
		Ten Days Workshop Arti Kadam. A. Bhalerao, Komte R, Gore, Attended	Two Weeks ISTE Workshop by IIT Bombay	Computer Programming
		Ten Days Workshop by IIT Bombay Attended Faculties: 1.Mrs. Patil R.B. 2.Mrs Patodkar	Two Weeks ISTE Workshop by IIT Bombay	Cyber Security
		Two Days IIT Workshop at MIT College in association with IIT Bombay Attended Faculties: Ms.Apurva Kale & Ms.Surekha Kalyankar	Two Days IIT Workshop at MIT College in association with IIT Bombay	Use of ICT in education
		GeoWeb Services and GeoPortal Application	Indian Institute of Remote Sensing (IIRS)	GeoWeb Services and GeoPortal Application

3	2014-2015	Dr.Laxmikant Tamboli(great poet)	MGM GYP	“Radhakrishna-Ek Anubandh
		Mr.Doongaji –CEO TATA Group.	MGM IOM	“Teachers-Keepers of trust,a custodian of substance”
		manshakti Kendra lonavla	MGM GYP	How to control mind
		Gautam Pathare & Rahul Kawathekar from Cyber cell,Aurangabad	MGM GYP	“Cyber Crime & Cyber laws”
		Mr.Giri	MGM GYP	“Advances in Java Programming”
		Mr.Bindesh Khushwah -WIPRO Technologies, Pune.	MGM GYP	“Cloud Computing & CRM”
		Dr.R.R.Manza, Associate Prof, Dept of CS and IT, Dr.B.A.M.University, Aurangabad.	MGM GYP	computer vision
		Mr.Palakhivaleat MGM’s JNEC.	MGM GYP	Motivation organized
		Workshop on Soft Computing	MGM’s JNEC	Soft Computing
		10 days Faculty Development Program organized by Infosys,Mysore attended by Mr. Ashok Sangale	MGM JNECE, Aurangabad	Faculty Development Program
		Dr. R.R.Manza Mukta Dhopeswarkar	Infosys,Mysore	“Compiler Design & Image Processing”
		Dr. R.R.Manza	MGM GYP	Matlab and Image Processing
Capacity Building Program for Asset Mapping	Indian Institute of Remote Sensing (IIRS)	Outreach Program on GeoWeb		

4	2015-2016	IEEE Bombay Section SKEP Program	IEEE Bombay Section SKEP Program	Services and GeoPortal Application
		IIRS	Outreach Programme	SKEP Program Basics of Remote Sensing, GIS & GNSS
		Mr.Prashant korranne	coordinator MKCL,pune	seminar on "Digital India"
		"Sachin Dedhiya"	MGM GYP	on Cyber Law & Cyber Security
		by Swami Aaryanand	MGM GYP	Importance on Positive Attitude in Life
		Dr.Manavendra Kachole	MGM GYP	"Drought in Marathwada and water management".
		Dr. Yogesh Kant	IIRS,ISRO,Deharadun	'Thermal Remote Sensing'
		Mr. Ashok Sangle,Ms. Pushpa Rajegore ,Ms. Swapna Kadam, Dr.M.M.Kazi	2 Weeks Faculty development Program organized by IIT <i>Bombay</i>	Use of ICT in Education for online and blended learning"
		10 days Faculty Development Program organized by Infosys,Pune attended by Ms.Swapna Kadam Ms.Pushpa Rajegore	Infosys,Pune	Faculty Development Program
		10 days Faculty Development Program organized by Infosys,Pune Mrs. Rita Patil ,Mrs. Punde Pramodini	Infosys,Pune	Faculty Development Program

2.4.5 Give the number of faculty who received awards, recognitions at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

1. The institute has always encouraged faculty members to participate actively in academic and co-curriculum activities. Dr. P. D. Deshmukh selected for one month faculty exchange program under FDP by the university also she has received the best presentation international award for journal.
2. Mrs. Telgad R. L. received the best paper presentation award in international conference ICKE organized by department of computer science and Information Technology Dr. Babasaheb Ambedkar Marathwada University Aurangabad.
3. Dr. Sankaye S. R. received the best paper presentation award in international conference ICKE organized by department of computer science and Information Technology Dr. Babasaheb Ambedkar Marathwada University Aurangabad.
4. Mr. Sangle Ashok received the best paper presentation award in international conference ICRACSET organized by department of computer science MGM's Dr. G. Y. Pathrikar College of Computer Science and Information Technology Aurangabad.
5. Ms. R.L.Telgad received the best paper presentation award in international conference ICRACSET organized by department of computer science MGM's Dr. G. Y. Pathrikar College of Computer Science and Information Technology Aurangabad.

2.4.6 Has the institution introduced evaluation of teachers by the student external peers? If yes, how is the evaluation use for improving the quality of teaching, learning process?

Institute has in place a healthy feedback collection system. The student feedback system wherein feedback is taken from the student every semester and transparency is ensured in the process and the data of feedback is analyzed and submitted to the principal observed the need of improvement the individual faculty members counsel by principal.

In addition to this institute take suggestion from students with respect to teaching, learning which helps to improve the teaching learning process. Result analysis is done on regular basis after every semester and further planning and action is taken through academic council meeting and management council meeting as well as management review meeting.

The academic audit by university is in process.

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?

- At the commencement of the academic year, all the teachers explain the students the evaluation methods framed by the University such as question paper pattern, practical examination pattern and scheme of marking.
- Display of university circular, Examination Schedule, guidelines and Time table on college Notice
- Staff takes the initiative to inform Students well in advance before the University exams about the evaluation methods.
- The college libraries are well equipped with previous years question papers.
- Class tests and assignments are conducted as per university calendar and the results are published on the university website.
- Notices/Circulars/Ordinances pertaining to the pattern of examinations and the pattern of the question papers are displayed on the notice board.
- The faculty members are made aware of the recent updates of the evaluation process through university circulars/workshops organized by different institutions.
- Parents get to know the evaluation methods through the College website as well as through parents meet
- The university publishes news about the changes in the evaluation process for the cognizance of students/staff.
- The circulars and GRs from the government, university, and Institution are notified to the faculty via emails, notices, and oral medium. Sometimes,

workshops on evaluation processes are hosted by both the Institution and the university.

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

Evaluation Reforms initiated by University:

- The University has introduced semester system for every subject.
- However, for UG courses the Internal assessment system has been revised and not been taken by the university w. e. f. 2013 – 2014. Presently the University Semester end examination is of 50 marks the theory paper is 50 marks and practical is of 50 marks per subject, theory paper of 90 min and particle exam is conducted once in a academic year of two semester.
- The single answer book system was introduced in 2010. Each student is provided with a single answer booklet of 32 pages. No additional answer sheets are provided to them
- All the Semester end examinations are conducted by the college as per the schedule provided by the University.
- Centralized assessment scheme is followed by the University
- The College conduct internal exam as per university guidelines and pattern.

Evaluation Reforms initiated by the institution:

- All the evaluation process information is give to student after students admission according to university guideline
- Interaction with student to test the student’s Knowledge and skills are tested after admission:
- conduction of induction program to get aware of subject knowledge right from fundamental level and Internal Class Test

Transparency in evaluation:

- The students can apply for reevaluation of their answer scripts of Semester End Examinations by paying the prescribed fee.
- The student can get a photocopy of the assessed answer book after the declaration of the results.

- Preparation of question banks
- The Credit base System has been adopted for PG Courses
 - i) Reform introduced by university from July 13. University has decided to conduct the examination for every theory paper of 90 min and first year theory examination are conducted at home centre only. The theory paper is 50 marks and practical is of 50 marks per subject but practical exam is conducted once only in a academic year of two semester.
 - ii) The institute has adopted changes as per university guidelines and conduct internal exam as per university patters. The evolution is carried out continuously.
 - iii) As per University guide line recent change in assessing Credit base system

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

The institute keeps track any changes being carried out by university by its website, publication and correspondence any changes implemented by the university are implemented in the institute immediately.

As per University guide line change in PG course credit base system implementation university conducted workshop for all affiliated colleges for their staff of understanding credit base system and its smooth implementation.

The university and the Institute have fool-proof system for the effective implementation of examination reforms. However Institution has responsibility to initiate all the works relating to examination.

There is an examination committee for the effective implementation of the evaluation system in Institute. This committee undertakes and executes all internal exams fairly under the guidance of the Principal.

Every student has to undergo college assessment and university assessment and the institution keenly observes the implementation of the evaluation process. The details are furnished below:

The internal class assessment of students is carried out by the teachers in the following ways:

1. Attendance of the students in the theory and practical classes.
2. Seminars/home assignment/fieldwork/projects/tutorials/tests.

The university assessment of the students is done by the teachers in the following ways:

1. Performance in the practical exams.
2. Performance in viva-voce, project reports.
3. Performance in theory exams.

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

Formative evaluation at the college the formative evaluation is put in the practice in the following ways.

- Presentation
- Assignment
- Monthly Test

Summative Evaluation

1. Tutorials
2. Seminars

Institute conduct prelim exams for each subject of 50 marks at the end of every semester in addition to this external evaluation is done by university through conducting exam of each subject at the end of every semester.

Summative Assessment – The goal of summative assessment is to evaluate student learning at the end of an instructional unit by comparing it against some standard or benchmark. Summative assessments are often high stakes, which means that they have a high point value. Summative Assessment takes place at the end of the test session which is conducted by the Institute during the semester. Even if some students do not perform well or clear the eligibility criteria, an extra chance is given to the student for his/her evaluation. This process helps the students to practice the questions, gain confidence, and achieve good results. This is how the Institution uses the formative and summative evaluation approach to measure the student's performance. The university conducts a summative evaluation at the end of each semester through the following.

1. Written Exams
2. Practical Exam
3. Viva voce
4. Project work

Formative and summative assessment have typically complementing outcomes formative tests help the teacher to decide on the teaching learning process as per the academic level of the students. Summative evaluation helps to determine how much of the content that is taught is retained by the student.

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

1. Parent teacher meet is organized and through which progress of the students is communicated to the parent. Result of internal exam is communicated upon enquiry to the parents.
2. Records of all activities marks obtained there in each kept simultaneously.
3. Redressal system for students.
4. Improvements in internal assessment – Written tests, attendance, presentations, seminars, research activities.
5. Transparency in internal assessment – After evaluation of the assignments/tests/projects etc., the outcome of results are discussed in the class, results are put on the notice board, students are individually counseled and discussed in parents meet.
6. Weightage in internal assessment – While evaluating students for internal assessment, due weightage is considered for their independent learning and communication skills.
7. However, weightage in internal assessment as of now is a qualitative measure Only but in future we plan to quantify the same.

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

The college Emphasis various Attributes were by they act as a set of outcomes of all graduates of the college and it's betterment of student for graduate future life.

Graduate Attributes		Initiatives to Attain the Attributes
Deep Learning	Graduates will have skills in their own subjective knowledge which is chosen by the student in practice. They will fully prepare for future personal and professional development	<ul style="list-style-type: none"> • Certificate courses like Hardware & Networking, Web-designing etc. • Use of ICT
Communication Skills	Graduates will have skills and will able to communicate effectively after graduates.	<ul style="list-style-type: none"> • Personality development • The College organizes State Level various Lectures for Communication Development from reputed IT companies
Special Attention towards Students for creative thinking	Graduates will have skills to develop students for creative thinking, logical and critical thinking of problems.	<ul style="list-style-type: none"> • Students' Council • Music, Sports Clubs, etc. • Continuous Evaluation • Special cell of guidance for competitive learning. • Yoga Shibir
Soft Skills	Graduates will have skills of advances in technology and to understand the requirement of industries and their culture	<ul style="list-style-type: none"> • Placement and Career Guidance cell • Workshops on Personality Development

Global Exposure	Graduates will be able to demonstrate a global perspective and intercultural competence in their professional lives.	<ul style="list-style-type: none"> • Subscription of international journals • Professional Courses like (Animation & H/W Networking) • Lectures by International Scholars. For example: • Dr. Alan Breto from University of France • Dr. K. V. Kale From Dr. B.A.M.U
Social Responsibility	Graduates will have skills in social and ethical Responsibility.	<ul style="list-style-type: none"> • Visit to Autism • Cleanliness Drive Programs on 2nd Oct on the Gandhi Jayanti • College is ISO Environmental certified.

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

The formative and Summative assessment of the student mentioned above, serve as the basic indicator for evaluating the student performance. The list of student having less attendance is displayed on the notice board. Effort is taken to improve the attendance of the students.

In college examination after assessment answer books are shown to all student and if there is any query the concern students can approach the concern teacher. University exam students can apply for revaluation and verification of marks the photocopy of answer book is printed to student on demand by university after paying the university fees after receiving answer book student can apply for reassessment of answer book.

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?**

- 1) Yes, the Institute follows outcome based learning for all PG and UG programmes. Each lecture covering a topic has a defined outcome, which is mentioned in the particular lecture.
- 2) Learning outcomes are stated to the students and faculty at the beginning of the semester.
- 3) The faculty is trained for achieving and measuring learning outcomes in their training sessions.
- 4) Students are intimated learning outcomes at the commencement of any chapter/topic.
- 5) We display hoardings and banners which showcase our learning outcomes for the student's perusal. The prospectus and website of the Institute also spreads this awareness among the students right from the beginning.
- 6) Learning outcomes – Personality and soft skill development includes social awareness, environmental awareness, health awareness, physical fitness, success in competitive exams, moral and cultural awareness, communication Skill development, eradication of superstitions, imbibing research attitude and Aptitude, placement in various sectors, etc.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through duration of the course and programme?

Provide analysis of the student results/ achievements ((programme course wise last four years) and explain the difference if any and patterns of achievement across the programme/course offered.

Academic performance, regularity, and participation in co-curricular and extra-curricular activities– all these factors play a vital role in the performance of the students. The following monitoring methods are adopted by the Institutions:

Academic monitoring – The academic performance is monitored by observing the students' performances in the classrooms through presentations and seminars. Monitoring is also done by observing their performance in the

internal examinations, and final semester examinations taking both theoretical and practical aspects into consideration.

Regularity – The regularity of students is monitored by analyzing their attendance.

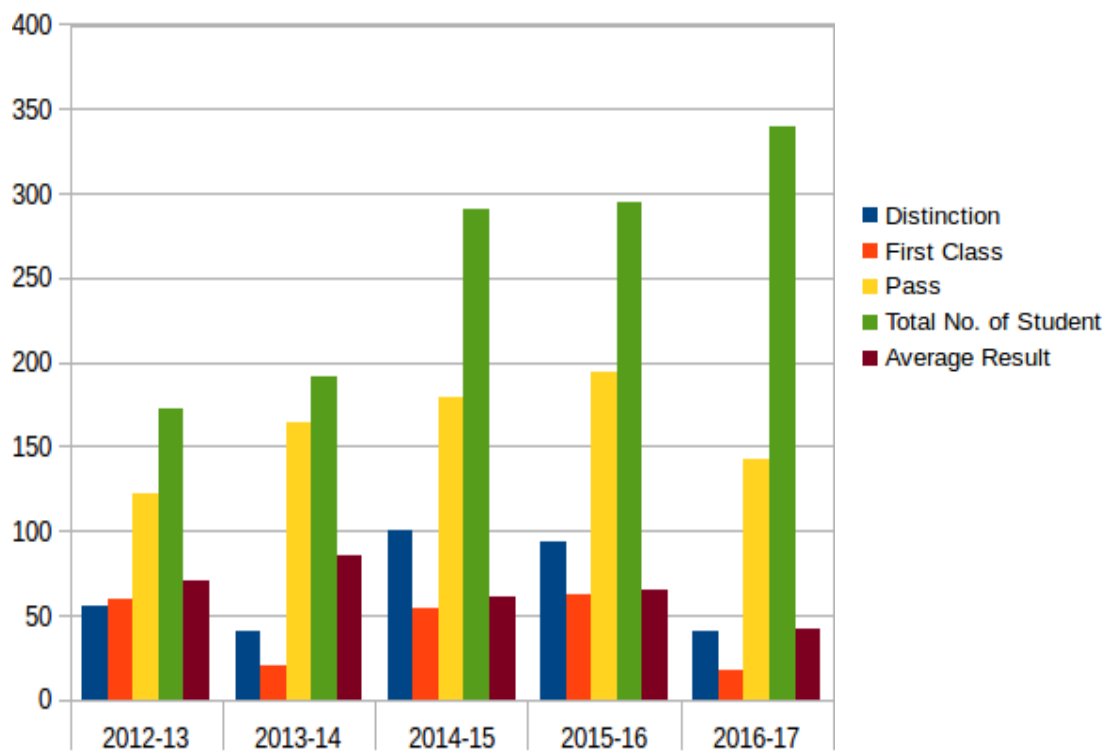
Co-curricular and extra-curricular activity monitoring – After identifying their areas of interest in co-curricular and extra- curricular activities, the students participation/non participation is recorded. The students are guided to progress in all these areas by constant encouragement. Any short comings in any one or all the above factors are adequately addressed. The students and parents are communicated about the progress. Parents and local guardians are invited to the Institute and discuss the necessary action to be implemented for the progress of the student.

Communications of the student’s performance to the parents are through the Following.

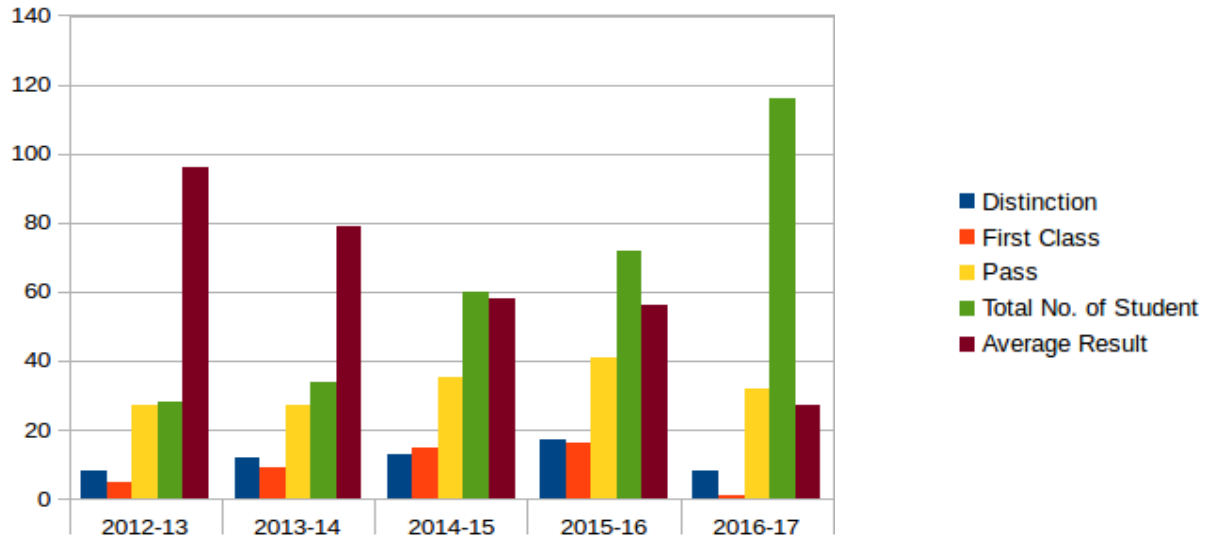
1. Display on the notice board
2. Parents teachers meet
3. Marks in class tests, presentations, and class attendance submitted by the concerned teacher to the college are in turn conveyed to every student.

Department of Computer Science and Information Technology (DCSIT) <u>Under Graduate</u>						
Course	Year	Distinct ion	First Class	Pass	Total No. of Student	Average Result
B.Sc. (C.S.)	2012-13	55	60	122	172	70%
	2013-14	40	20	164	192	85%
	2014-15	100	54	179	290	61%
	2015-16	93	62	194	294	65%
	2016-17	40	17	143	339	42%
B.Sc (I.T.)	2012-13	8	5	27	28	96%
	2013-14	12	9	27	34	79%
	2014-15	13	15	35	60	58%
	2015-16	17	16	41	72	56%

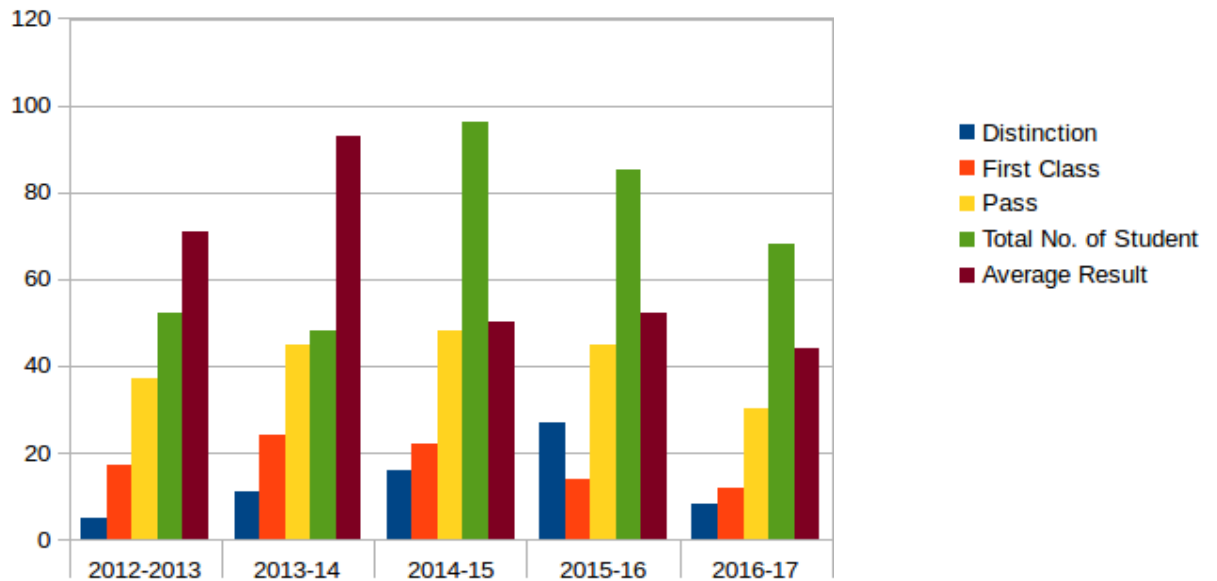
	2016-17	8	1	32	116	27%
B.CA	2012-2013	5	17	37	52	71%
	2013-14	11	24	45	48	93%
	2014-15	16	22	48	96	50%
	2015-16	27	14	45	85	52%
	2016-17	8	12	30	68	44%



Graphical Representation of B.Sc. C. S. Result

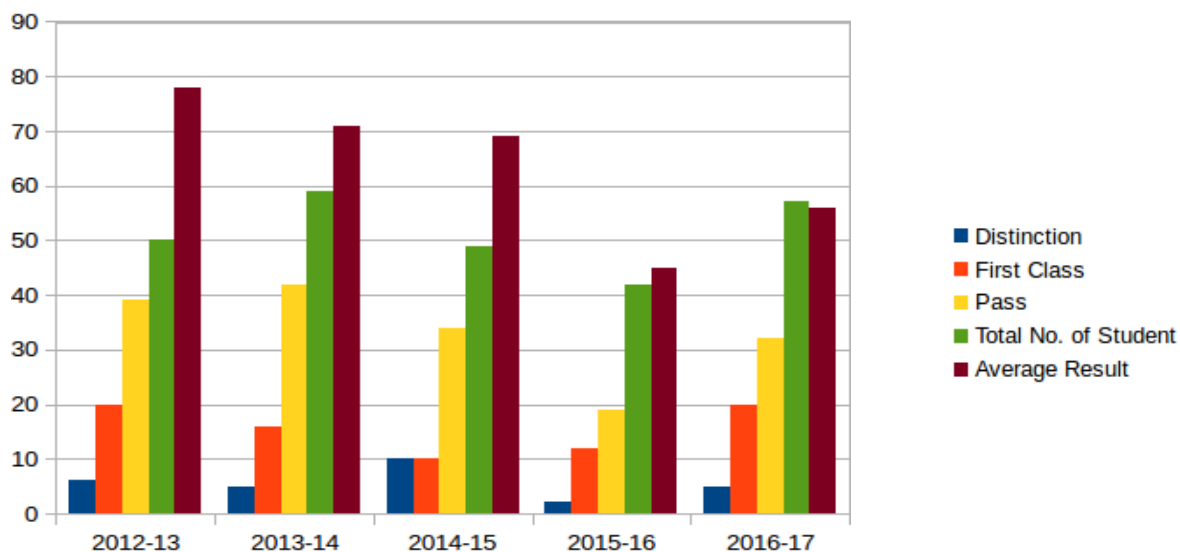


Graphical Representation of B.Sc. I. T Result from 2012-17

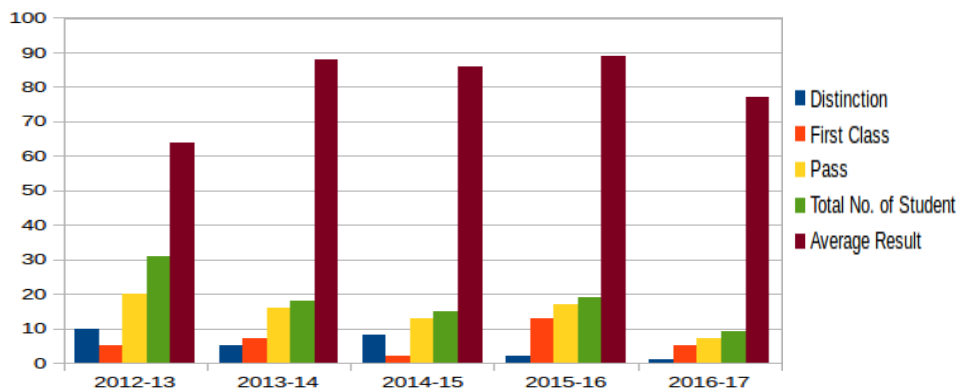


Graphical Representation of B. C. A. Result from (2012-17)

Department of Computer Science and Information Technology (DCSIT) Post Graduate						
Course	Year	Distinction	First Class	Pass	Total No. of Student	Average Result
M.Sc. (C.S)	2012-13	6	20	39	50	78%-
	2013-14	5	16	42	59	71%
	2014-15	10	10	34	49	69%
	2015-16	2	12	19	42	45%
	2016-17	5	20	32	57	56%
M.Sc. (I.T.)	2012-13	10	5	20	31	64%
	2013-14	5	7	16	18	88%
	2014-15	8	2	13	15	86%
	2015-16	2	13	17	19	89%
	2016-17	1	5	7	9	77



Graphical Representation of M.Sc. C.S. Result from 2012-17



Graphical Representation of M.Sc. I.T. Result from 2012-17

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

- 1) At the beginning of the academic year syllabus and timetable is prepared jointly by all faculty members. Teaching a particular subject.
- 2) Give assignment programs for solving that assigning them
- 3) Tutorial, lectures are organized for major subject so that weak students can get enhance knowledge.
 - a) In order to facilitate the achievement of the intended Learning outcomes following strategies are structured:
 - 4) At the beginning of the academic year itself, syllabus and time table is prepared jointly by all faculty members teaching a particular subject
 - 5) Setting such questions which help to assess the extent of achievement of learning outcomes. Appropriate steps are taken to assist them in achieving goals.
 - 6) Learning outcomes are assessed during the presentations, discussions, class participation, and performance of students in various competitions with other Institutes.
 - 7) The institute makes numerous efforts to ensure that quality of student is enhanced so they are offered quality jobs, like training by taking for group

discussion, personal interview, and aptitude test, high quality of teaching for qualifying concepts & principles.

- 8) To in calculate the research culture among student. They motivated to write research papers and present same to various conference and seminar.
- 9) Tutorial, Lectures (remedial lectures) are organized for each subject. Weak students are paid more attention in those lectures to enhance learning outcome
- 10) Academic performance, regularity, and participation in co-curricular and extra-curricular activities– all these factors play a vital role in the performance Of the students.

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

The analysis of the data of internal exam & feedback of parents employees and students helps to identifying gaps in learning outcome

- a) The Institute makes numerous efforts to ensure that quality of students is enhanced so that they are offered quality jobs.

Some such initiatives are such as under:

- 1) Soft Skill Development through activities such as communication skill development, group discussions, presentations, and language lab classes.
- 2) High quality of teaching for clarifying concepts and principles.
- 3) Classes on etiquette and behavior.
- b) **To inculcate the spirit of entrepreneurship** – In order to enhance the entrepreneurship skills, college decides to establish EDC (Entrepreneurship Development Cell)
- c) Innovation competitions are planned and conducted.
- d) **To inculcate the research culture among students** they are motivated to write research papers and present the same at various conferences and seminars.

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

- 1) The data collected in the form of marks, quality of presentations in classroom, discussions and solution of programs (Practical's) serves as the basic guide for outcomes pertaining to academics.
- 2) After completion of every semester, one test is conducted, and based on the results weak students are identified, and special tutorials are taken for them.
- 3) In the case of qualitative outcomes such as personality development, the conduct of student and their performance in extracurricular activities indicates achievement of learning outcomes.
- 4) The analysis of the data so collected and feedback of parents/employees/ students themselves helps to identify gaps in learning outcomes.

The institute monitors & ensure achievement and learning outcomes through continuous assessment plan carried out formative & summative assessment carried out internal and university exam, Regular parent teacher meetings.

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

NO graduate attribute has been specified by the university.

- 1) Achievement of graduate attributes which has defined by institute is done as follows . Conduct of co-curricular and extra curriculum activities etc. fielding them for inter collegiate and inter university competition.
- 2) To inculcate teams spirit in May comities responsible to organize and conduct institutional activities.
- 3) Close monitoring of students performance and giving corrective advice. Organization of industrial visits and sports visit.

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

The methodologies used for this purpose are Group Discussion, Assignments, Seminar presentations, individual, or Group project work, Viva –voce, class test papers and two semester wise internal examinations

The outcomes of these assessment and evolution are:

1. It helps for gating effective feedback of students
2. Facilitates teachers to take account of the results of assessment
3. Assists students to face the examinations without fright and can gather thorough understanding of the subject
4. Seminars and assignments (in the form of tutorial) help students for better understanding of the subject.
5. Allow the active involvement of students in their own learning method.
6. There is evident enhance in the use of library
7. The redressal marks of grievances regarding evaluation in university examination is through the following process:
8. University examinations – with regard to university examinations, there is a mechanism adopted by the University for Redressal of grievances. Within 10 days (05 days revised) of the announcement of the results, students can apply for reevaluation. University makes arrangements for issuing photocopies of their answer scripts to the students after the announcement of results.
9. The student approaches our redressal grievance committee which forwards/ recommends the student to competent faculty to ensure fairness of evaluation.
10. Faculty and the Institute liaison officer under instructions from Director forwards applications for reevaluation to the university and follow it up regularly for speedy redressal of grievances.

Criteria III –Research, cosultancy and Extention

3.1Promotion of Research

MGM Dr. G.Y.Pathrikar College of CS & IT, Aurangabad, is known for its dedicated efforts towards achieving excellence in teaching and research. The college has been actively involved in developing a research culture among its teachers. one of the faculty member is a research guide, Five faculty members have been registered doctorate degrees (Ph.D.) in their respective areas of specialization while 13 are holders of a Masters in Philosophy (M. Phil.) degree and 5 members have been registered for Masters in Philosophy (M. Phil.) degree.

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

Research center proposal submitted for approval and many teachers are actively engaged in research activities.

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

The research activities of the college are till date promoted and monitored by Research and consultancy Committee which is composed of the following members:

- 1) Dr. Prapti D.Deshmukh (Chairman)
- 2) Dr. Satish R.Sankaye (Member)
- 3) Mr. Sanjay Y.Azade (Member)
- 4) Mrs. Rupali L.Telgad (Member)
- 5) Dr. M.M. Kazi (Member)

- To encourage the faculty members to undertake minor and major projects
- To organize conferences and workshops
- To motivate research publications in reputed journals
- To increase the participation in conferences, seminars and workshops and present papers
- To organize guest lectures in various fields

- To create awareness among students and faculty members regarding research
- To enhance the existing laboratories with additional facilities for research activity
- To provide adequate infrastructure and support in terms of technology and information needs
- To prepare an annual budget for research activities

The Management of the College provides infrastructural facility and support.

Impact of recommendations made by the Research Committee:

- The college provides leave for the teachers to attend conferences and workshops.
- The college organized an International Conference, National level seminar, state level workshop, guest lectures of eminent personalities.
- The faculty members are encouraged to apply for projects.
- The faculty is provided with the necessary infrastructure to carry out the research work.
- Motivates students to undertake research by inviting scientists, and industry personnel to address the students.
- Faculty members are encouraged to attend seminars and publish papers.

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

As a research scheme college has organized three days international conference on “Recent Advances in Computer Science Engineering and Technology” on 2nd – 4th Feb 2017 and Research project proposal also submitted for approval.

§ Autonomy to the principal investigator

The faculty is given full authority in the institute to organize and implement research schemes. All the resources required for the research schemes are made available to them

§ Timely availability or release of resources

Required technological and administrative supports are provided.

§ Adequate infrastructure and human resources

For effective implementation of research scheme required infrastructure and experts are made available.

§ Time off, reduced teaching load, etc. for teachers

Faculty members are allowed time off to improve their qualification like M.hil/ Ph.D.

§ Support in terms of technology and information needs

Required technology support and its related information made available.

§ Facilitate timely auditing and submission of utilization certificate to the funding authorities

Research projects are under process

§ Any other

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

- One of the mission of the college is to motivate students and teachers to adopt research for advancing their knowledge as well as refining their understanding. Developing a scientific temper, promoting a research culture, and nurturing aptitudes for analysis and synthesis are vital for the achievement of this mission.
- The College organizes a large number of conferences, seminars, and workshops. Recently college organized International conference on recent advances in computer science engineering and technology during 2nd – 4th Feb’ 2017.
- Students and faculties are encouraged to write papers, attend conferences and workshops.
- Faculties are actively participated in research activity by completing M.Phil / Ph.D Program
- Students Visited to Science Express (Biodiversity)
- 6 staff members and 15 PG students have attended 103rd Indian science congress at Mysore.
- The college encourages teachers and students by organizing workshops, seminars. Teachers are promoted to attend various conferences and publish research papers in journals and conferences and also faculties are promoted to upgrade qualification.
- List of conference/ Workshop /Seminar Attended by faculty and paper presentation in conferences

Sr. No	Date	Title	Organized by	Attended by
1.	3 rd to 7 th Jan 2013	In 100 th Indian Science Congress, Dr.P.D.Deshmukh awarded Best Poster	ISCA, Govt. of India	Dr.P.D. Deshmukh

		Presentation Prize on “Computer Aided Technique to Detect Breast Cancer at Earlier Stage: Steps towards declining Mortality Rate among Women” at Kolkata		
2.	7-9 Oct 2013	Presented Paper In International Conference IEEE SAI, London, UK entitled “Zernike Moment Feature Extraction for Handwritten Devanagari (Marathi) Compound Character Recognition”	SAI Organizatio n, London	Dr.P.D. Deshmukh
3.	12-13 Oct 2013	Presented Paper In International Conference ICCEE, Paris, France entitled “ Multimodal Biometric System Using Finger Knuckle and Nail: A Neural Network Approach”	IACSIT, Hong Kong	Dr.P.D. Deshmukh
4.	Aug 30 to sept 30 2013	Refresher Course on E- Governance and E-Learning	Dr. B.A.M.Univ ersity, Aurangabad	Mrs. Patil R.B. Mrs. Patodkar N.S. Mr. Ashish Bhalerao Mr. Pundge A
5.	2014	Two Weeks ISTE Workshop on Computer Programming by IIT Bombay	IIT Bombay	Ms. Aarti Kadam Mr. Ashish Bhalerao Mr. Komte R.S. Mr. Gore D.B.
6.	9 may 2014-12 May 2014	Presented research paper in , IEEE sponsored international conference on Recent Advance and Innovation in Engineering(ICRAIE 2014).	Jaipur Rajasthan	Rupali L. Telgad Dr.P.D.Deshmuk h
7.	10 - 20July 2014	Ten Days Workshop on Cyber Security	IIT,BOMB AY	Mrs. Patil R.B. Mrs. Patodkar N.S.
8.	30Aug to 30 Sept 2014	Faculty Exchange Program at Sweden	Erasmus mundus	Dr.P.D.Deshmuk h
9.	20 Sept 2014	Science Exhibition visit by NSS	Govt. Polytechnic College	Mrs. Vijaya Patil and students

10.	5 th & 6 th Jan 2015	Dr. P. D. Deshmukh madam presented a paper in Indian Science Congress held in Mumbai	Indian Science Congress, Mumbai	Dr.P.D.Deshmukh
11.	25 th to 30 th May 2015	Two Days IIT Workshop	MIT College in association with IIT Bombay	Ms.Apurva Kale & Ms.Surekha Kalyankar
12.	June – July 2015	Attended Pre-Ph.D course in Dept of CS and IT, Dr. B.A.M.University, Aurangabad	Dr. B.A.M.University, Aurangabad	Mr. Azade S. Y. Mr. Ajitkumar Pundge
13.	29 th Jun-7 th July 2015	10 days Faculty Development Program organized by Infosys, Mysore	Infosys Mysore	Mr.Ashok Sangale
14.	Aug 2015	“Application of higher order GICM feature on Momograms” presented in International Conference at Coimbatore	International Conference at Coimbatore	Dr.P.D.Deshmukh
15.	28 th Sept 2015	Workshop on CBCS System	Dr.BAMU	All PG staff
16.	Jan 2016	State level Avishkar Research Championship at pune University.	Govt of Maharashtra	Mr.Bharat Naiknaware & Ms.Ankita Kasliwal
17.	4 th Jan-14 th Jan 2016	10 days Faculty Development Program organized by Infosys,Pune	Infosys Pune	Ms.Swapna Kadam Ms.Pushpa Rajegore
18.	3 rd -7 th Jan 2016	Research Paper published in 103 rd ISCA Conference at Mysore	ISCA	Dr.P.D.Deshmukh
19.	3 rd -7 th Jan 2016	Research Paper published in 103 rd ISCA Conference at Mysore	ISCA	Mr.V.K.Kale
20.	3 rd -7 th Jan 2016	Research Paper published in 103 rd ISCA Conference at Mysore	ISCA	Mr.S.R.Sankaye
21.	3 rd -7 th Jan 2016	Attended 103 rd ISCA Conference at Mysore	ISCA	Ms. Pooja Vaidya, Deepali Sawane,

				Ajitkumar Pundge, 14 PG Students
22.	2May-10July 2016	4 Weeks Faculty development Program “Use of ICT in Education for online and blended learning” organized by IIT Bombay	IIT Bombay	Mr. Ashok Sangle Ms. Pushpa Rajegore Ms. Swapna Kadam
23.	10May-14June 2016	Attended Pre-Ph.D course in Dept of CS and IT, Dr. B.A.M.University, Aurangabad	Dr. B.A.M.Univ ersity, Aurangabad	Mr. Sankaye S.R. Mrs. Telgad R.L. Mr. Naiknaware Bharat Mr. Kale Vijay
24.	15-25 August 2016	10 days Faculty Development Program organized by Infosys,Pune	Infosys,Pun e	Mrs. Rita Patil Mrs. Punde Pramodini
25.	26Aug 2016	Guest lecture on ‘Thermal Remote Sensing’ by Dr. Yogesh Kant under IIRS,ISRO, Deharadun	IIRS,ISRO, Deharadun	Student and Staff members
26.	29 th Sept – 13 th Oct 2016	Attended FDP DST NIMAT Sponsered by National Science and Technology entrepreneurship NSTEDB, Aurangabad.	NSTEDB, Aurangabad	Two faculty members Mr. Ajitkumar Pundge and Ms. Deepali Sawane
27.	21 – 23 Dec 2016	Paper Presented in ICKE 2016 International Conference organized by Dept of CS and IT, Dr. B.A.M.University, Aurangabad.	Dept of CS and IT, Dr. B.A.M.Univ ersity, Aurangabad	Mr. Sankaye S.R. Mr. Azade S.Y. Mr. Ashish Bhalerao Ms. N.S.Patodkar Ms. Rita Patil
28.	21 – 23 Dec 2016	Poster Presented in ICKE 2016 International Conference organized by Dept of CS and IT, Dr. B.A.M.University, Aurangabad.	Dept of CS and IT, Dr. B.A.M.Univ ersity, Aurangabad	Ms. R.L.Telgad Mr. V.K.Kale Mr. Bharat Naiknaware
29.	21 – 23 Dec 2016	Attended ICKE 2016 International Conference organized by Dept of CS and IT, Dr. B.A.M.University,	Dept of CS and IT, Dr. B.A.M.Univ ersity, Aurangabad	Mr. Ajitkumar Pundge Mr. Gore D.B. Ms. Deepali Sawane

		Aurangabad.	.	
30.	2 to 4 February 2017	Paper presented in International Conference ICRASET 2017	University sponsored and organized by MGM Dr. G. Y. Pathrikar college of CS and IT Aurangabad	Dr.P.D. Deshmukh Mr. Azade S.Y. Mr. Sankaye S.R. Mrs. Telgad R.L. Mr. Ashish Bhalerao Ms. N.S.Patodkar Ms. Rita Patil Dr. kazi Mrs. Punde Pramodini Mr. Gore D.B. Ms. Deepali Sawane Mr.Bharat Naiknaware & Ms.Swapna Kadam Ms.Pushpa Rajegore Ms.Ankita Kasliwal Ms. Pallavi Thorat Ms. Shweta Deshmukh Mr. Hamid Deshmukh Mr. Vijay Navgire

- Internet facilities, including Wi-Fi on the campus, are freely available to the faculty and students. The faculty is enthusiastically applying for the various research projects sponsored by the UGC, DST and/or other educational agencies.
- PG Students are visited biometric lab of Dept of CS and IT, Dr. B. A. M. University, Aurangabad.
- Poster making of eminent scientist in the field of computer science and IT competition organized on the occasion of science day 2017.

3.1.5 Give details of faculty involvement in active research (guiding student research, leading research projects, engaging in individual/collaborative research activity, etc.).

- Dr. Prapti D.Deshmukh is research guide under her guidance 1 student has completed and 7 students are doing Ph.D. Some faculty members are applied for research projects under her guidance.

List of the Ph.d Student under Dr. P. D. Deshmukh

Sr.No	Name of the student	Status
1.	Vrushali Gaikhe	Completed
2.	Rupali Telgad	Thesis submitted
3.	Savita Lothe	Thesis submitted
4.	Almaas Siddiqui	Thesis submitted
5.	Rahul Mhaske	Submission in process
6.	Mayur Deshmukh	Thesis submitted
7.	Suryakant revte	Thesis submitted
8.	Vijay Kale	Registered

- Five faculty members have been registered doctorate degrees (Ph.D.) in their respective areas of specialization while 13 are holders of a Masters in Philosophy (M. Phil.) degree and 5 members have been registered for Masters in Philosophy (M. Phil.) degree.
- Mr. Bharat Naiknaware has sanctioned Visvesvaraya Fellowship under Ph.D. Scheme for electronics and Information Technology by Ministry of Electronics and IT, Govt. of India.
- Some of the students and faculty members have selected in State level Avishkar research championship.
- Some of the students and faculty members have actively participated and presented research paper in Indian Science Congress Association and various national and international conference and research journals.

3.1.6 Give details of workshops/training programs/sensitization programs conducted/organized by the institution with focus on capacity building in

terms of research and imbibing research culture among the staff and students.

The institution encourages research and organizes various academic seminars/workshops in collaboration with prominent professional organizations and associations.

Sr. No.	Date	Workshop/Training/Sensitization Program
1	8 Sept 2012	Guest Lecture on 'Careers in Database Management' by SFK Infotech.
2	2 Jan 2013	Seminar on European Scholarship Program SWAGATA.Eu
3	Jan 2013	Workshop on Geo-Spatial Technology by Prof.K.V.Kale
4	14 Feb 2013	Seminar on Cyber Law
5	17 to 18 Jan 2014	Two Days Workshop on ASP.Net
7	16 to 18 Jun 2014	Three Days NET/SET/GATE Workshop
8	22-24 Oct 2014	Three Days Workshop on Matlab and Image Processing by Dr. R.R.Manza
9	6 Dec 2014	Guest lecture on "Cyber Crime & Cyber laws" by Gautam Pathare & Rahul Kawathekar from Cyber cell,Aurangabad.
10	20 Jan 2015	Industrial visit to Expert Global Solution on 20 th Jan 2015
11	21 Jan 2015	Industrial visit to C-DAC pune on 21 st Jan 2015
12	22 - 23 Jan 2015	A workshop on "Compiler Design & Image Processing" by Dr.Ramesh Manza (Associate Professor,Dept of Cs & IT,Dr.B.A.M.U)Dr.Mukta Dhopeswarkar (Associate Professor,Dept of Cs & IT,Dr.B.A.M.U)
13	11 Feb 2015	Seminar on Education and scholarship Program available in other countries by Aarzo Consultant
14	5 Feb 2015	Awareness Program GRE & TOEFL for UG and PG Students
15	4 Aug 2015	Guest lecture "Cloud Computing & CRM" by Mr.Bindesh Khushwah -WIPRO Technologies,Pune.
16	17 Aug 2015	One day seminar on "Digital India" by Mr.Prashant korranne- coordinator MKCL,pune.
17	26 Aug 2015	Two days workshop on "Advances in Java Programming" organized by Mr.Giri
18	23 Dec 2015	IEEE Guest Lecture by Mr.T.V.Talele,Mumbai
19	2-3 Feb 2016	Two Days National Workshop on Android App Development in collaboration with IIT, Madras and ARK Techno-Solutions, Mumbai
20		Guest lecture on 'computer vision' by Dr.R.R.Manza, Associate Prof, Dept of CS and IT, Dr.B.A.M.University,

		Aurangabad.
21	17-18 Feb,2016	Two Days IETE National Workshop on Multicore Technology
22	19 Feb 2016	Industrial Visit to “Opulent technologies” Pune.
23	21 March 2016	Android App Challenge Competition
24	28 June -15 July 2016	17 th Indian Institute of Remote Sensing (IIRS) Outreach Program on GeoWeb Services and GeoPortal Application
25	27 July 2016	Indian Institute of Remote Sensing (IIRS) Workshop on Capacity Building Program for Asset Mapping
26	5 -6 Aug 2016	IEEE Bombay Section SKEP Program
27	22 Aug to 18 Nov ,2016.	18 th IIRS Outreach Programme on "Basics of Remote Sensing, GIS & GNSS"
28	12 Nov 2016	Guest Lecture on “Preparation of SSR and NAAC Audit” Conducted by Dr.Vishnu Patil (NAAC Coordinator, Deogiri College)
29	16 - 24 Nov 2016	Two Faculty members Dr.Seema Sabnis and Pavan Kale attended faculty enrichment program organised by JNEC Foreign Language Dept. Aurangabad.
30	21 Jan 2017	Industrial Visit to “Infosys”Pune
31	31 Jan –1 Feb 2017	NAAC Sponsored Two days national level seminar on quality sustenance and quality enhancement by IQAC at Institutional level.
32	2-4 Feb 2017	Three days International conference on recent advances in computer science engineering and technology
33	24 Feb – 10 Mar 2017	19 th IIRS Outreach Programme on "Remote Sensing and GIS application for carbon forestry"

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

The thrust areas of concentration highlighted by the institution include intellectual and non-cognitive areas. These are:

Sr.No	Expertise Available	Research Area
1.	Dr. P. D. Deshmukh	Image processing - Biometrics Pattern Recognition Medical image processing IOT Neural Network
2.	Dr. S. R. Sankaye	Digital Signal Processing Human computer Interface

3.	Dr. M. M. Kazi	Image processing - Biometrics Pattern Recognition Digital Signal Processing
4.	Mrs. Telgad R.L.	Image processing - Biometrics Pattern Recognition
5.	Mr. Azade S.Y.	Software Engineering Software Cost Estimation
6.	Mr. V. K. Kale	Biometric Image processing Speech recognition
7.	Mr. Ajitkumar Pundge	Natural language processing
8.	Mr. Bharat R. Naiknaware	Data Mining
9.	Ms. S. V. Satonkar	Biometric Numerical methods
10.	Ms. R. B. Patil	Image processing IRIS Biometric
11.	Ms. N. S. Patodkar	Dental Biometrics Operating system
12.	Mr. Aashish Bhalerao	Data mining
13.	Ms. Apurva Dhawale	Biometrics Computer graphics etc.
14.	Mr. Ashok Sangle	GIS and remote sensing
15.	Ms. Pramodini Punde	Image processing

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

In addition, the college also facilitates interaction of the faculty and students with eminent research scholars through various seminars, workshops, and meetings organized by the college. The college organized the international conference

named as “ICRASET 2017” .The eminent scholars who participated in the activities of the college include:

- Prof. U.S.Tondon Harmaya University, Ethopia
- Mr. Anand Mahurkar Founder & CEO, Findability Sciences, Boston.
- Miss Eulia Wenzel, Team Leader algorithms, Cmore Automative, Germany. (on sight of Expert Global Pvt. Ltd.)
- Prof. B.Satyanarayan, TIFR (Tata Institute of Fundamental Research), Mumbai
- Prof. P. Nagbhushan, Chief nodal officer CBCS, Dept of CSE, Mysore University
- Prof. P. Ramaiah, Former Professor and Rector, PVC.Emeritus, Hyderabad.
- Prof B.Harishchandra Bhat, Former Principal, and Rtd. Prof of Biotechnology, Govt Sci College, Banglore.
- Dr. Harish Karnatak, Head of GIS and Geo-Informatics IIRS, Deharadun.
- Dr. Shivanand Gornale, Assistant Professor, Dept of CS, Rani Channamna University, Vidyasangam, Balguam.
- Dr. S. Murli Maharaja Institute of Technology, Mysore.
- Dr. M. P.Dhore, Nagpur University.
- Dr. P. B.Nirpal, Faculty of computer Science, Hingoli.
- Dr. Kavita Khobragade, Faculty of CS, Ferguson College, Pune.
- Dr. V.M.Thakre, Dept of CS, Sant Gadgebaba Amrawati University.
- Mr. Shibu Simon, Head and Faculty of English,NDA,Pune.
- Dr. M.D.Jahagirdar, IQAC Advisor, Dr.B.A.M.University, Aurangabad.
- Dr. Pradip Jabde, Registrar, Dr.B.A.M.University, Aurangabad
- Prof. Sudhir Gavane, Head, Dept of Mass Communication, Dr.B.A.M.University, Aurangabad
- Dr. Dipti Kundal, Smt. M.M.Shah College, Surendranagar, Gujrat.
- Prof. Dr. K.V.Kale (BCUD, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)
- Prof. Dr. R.R.Deshmukh (Professor and Head of Dept., Dept. of CS & IT, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)

- Prof.Dr.C.Namrata (Assistant Professor, Dept. of CS & IT, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)
- Prof.S.N.Deshmukh (Professor, Dept. of CS & IT, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)
- Dr. R.R.Manza (Assistant professor, Dept. of CS & IT, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)
- Dr. Seema Kawthekar, (Assistant professor, Dept. of CS & IT, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)
- Dr. Mukta Dhopeswarkar (Assistant professor, Dept. of CS & IT, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)
- Dr. Bharati Gawali (Assistant professor, Dept. of CS & IT, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)
- Dr. Mansi Baheti (Assistant professor, Dept. of CS & IT, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)
- Dr. Pravin Yannavar (Assistant professor, Dept. of CS & IT, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)
- Mr.T.V.Talele, IEEE Mumbai
- Dr. Sameer Sahastrabuddhe, IIT Bombay Section
- Mr. Joseph Monis, Learning and Development Dept-Senior member, Infosys, Pune
- Mr. Amit Gaikwad, Senior Background Artist, Green Gold Pvt. Ltd, Hyderabad
- Dr. Prashant Deshpande, Expert Global Solutions, Aurangabad
- Dr. Shobha Bawiskar, Assistant Professor, Institute of Forensic Science, Aurangabad.
- Dr. Charansing Kayte, Assistant Professor, Institute of Forensic Science, Aurangabad.
- Mr .Gautam Pathare & Mr. Rahul Kawathekar from Cyber cell, Aurangabad.
- Dr. Pravin Yannawar (Assistant professor, Dept. of CS & IT, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.)
- Dr. Chitra Desai, H.O.D. Computer science N.D.A. Pune
- Mr. Amit Khandagale UPSC cracked for R.B.I.
- Mr.Bindesh Khushwah -WIPRO Technologies, Pune(Alumini of our college).

- Mr.Prashant korranne- coordinator MKCL, pune.
- Mr.T.V.Talele,Mumbai
- Mr.Joseph Monis(EPD & CSP office.Infosys,pune)
- Mr.Girish Kale(placement officer,Dr.B.A.M.U)
- Mr.S.P.Varadhe(Empolymnt officer,Dr.B.A.M.U)
- Mr.Amit Bagchi- CEO NIE
- Dr.Swati Shiradkar(H.O.D,Dept of Gynecology,MHM Hospital)

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 imbue research culture on the campus?

College Provide Duty Leave (DL) for attending research activities like workshop, conferences, seminar, Training Program to cultivate research quality.

- Dr.P.D.Deshmukh granted and visited one month under Erasmus mundus program to Stockholm, Sweden in Sept 2014.
- Dr.P.D.Deshmukh presented research paper in IEEE Science and Information (SAI) Conference held at London (UK) 7th to 9th Oct 2013, also received Amazing Idea Award.
- Dr.P.D.Deshmukh presented research paper in IACSIT International Conference on Computer and Electrical Engineering (ICCEE-2013) Paris (France) October 12-13, 2013
- Following of the faculty attended one month Pre Ph.D program conducted in DR.Babasaheb Ambedkar Marathwada University, Aurangabad.
 - Mr. Azade S.Y.
 - Mrs.Rupali Telgad
 - Dr.Sankaye S.R.
 - Mr.V.K.Kale
 - Mr.Bharat Naiknaware
 - Mr. Ajitkumar Pundge
 - Ms. Aarti Kadam

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

- Teachers are, however, encouraged to get their research work published in reputed journals and conferences. The following steps are proposed to be implemented in the academics.
- Many faculty members contribute and publicize findings through newspapers or through presentations at various academic and non-academic forums
- Sensitizing students by involving them in various activity-based programs.
- Faculty members publicize their research findings in national and international conferences and reputed journals. Also some of the faculty members received appreciation awards from reputed professional bodies.
- Faculties and students participating in research competitions (Avishkar) for communicating their research work.
- Holding interaction programs.
- Motivating students to participate in Avishkar.

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.

Sr. No.	Particulars	Amount Spent (in Rupees)				
		2012-13	2013-14	2014-15	2015-16	2016-17
1	Laboratories	56,655	21,610	8,510	34,933	98,279
2	Library Extension		3,315	14,975	14,245	-----
3	Reference books/ Periodicals/ Journals Purchase	80,530	66,961	56,130	1,46,201	1,22,743
4	E-Journals Subscription				7,000	7,000
5	Equipments	75,100	5,145	60,606	22,47,000	23,492
6	Financial Assistance to Teachers for Seminar/Conferences/ Workshop etc	42,318	2,25,345	65,026	67,446	40,00,897
	Total	2,54,603	3,22,376	2,05,247	25,16,825	1,252,411

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 of the facility in the last four years.

The institute grants TA/DA to the faculty for presenting paper at national and international conferences/seminars/Refresher course/Training Program.

Year	Budget	Staff Training	Seminar & Conference	Workshop
2012-13	Allocated budget	75,000.00	100,000.00	100,000.00
	Amount disbursed	-	40,010.00	---
2013-14	Allocated budget	75,000.00	200,000.00	---
	Amount disbursed	34,900.00	222,438.00	---
2014-15	Allocated budget	50,000.00	200,000.00	200,000.00
	Amount disbursed	3,547.00	---	3,900.00
2015-2016	Allocated budget	50,000.00	100,000.00	100,000.00
	Amount disbursed	16,153.00	18,296.00	6,610.00
2016-2017	Allocated budget	50,000.00	100,000.00	100,000.00
	Amount disbursed	16,357.00	-----	-----

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

College promotes by providing financial assistance to staff and students for attending various research competitions at University and State Level like Avishkar, Attending International conferences (Indian Science Congress, Mysore), and presenting research paper in ICRCASET 2017, Aurangabad. College also organizes various workshops, seminars, Training program for student to cultivate research culture.

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

The institute promotes the inter-disciplinary research. The faculty works in interdisciplinary research in the field of medical image processing, data mining, Signal Processing, etc.,

Dr.S.R.Sankaye has completed Ph.D. in interdisciplinary research i.e., Computer science and Music in the subject “Human perception and computer identification of Indian musical instruments for high quality music applications”. He has faced challenges in Data collection and analysis.

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

Optimal use of equipment and research facilities are ensured through

- Establishment of Laboratories with all required equipments related to research.
- Carrying out research related experiments in the laboratories.
- Giving assignments to students and social and technical issues wherein students make use of library and internet to the max.
- Students are actively engaged in computer labs after their routing practical hours. Student entries are noted in lab entry register.

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.

- 1) Research infrastructure development grant proposal is under process with DST TIDE Program for research on sign language.
- 2) Proposal for Robotic Laboratory establishment is under process with the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

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

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total Grant		Total grant received till
				Sanctioned	Received	
Minor projects						
Major projects						
Interdisciplinary projects						
Industry sponsored						
Students' research						
Any other (specify)						

Under the guidance of Dr.P.D.Deshmukh one major project research proposal has been submitted to the DST.

Sr. No	Faculty	Title of the Project	Category	Sanctioned Amount
1	Dr.P.D.Deshmukh	Sign Language Recognition (Major project)	Computer Science	Requesting Amount 21,40,000 Under evaluation
2	Dr.P.D.Deshmukh	Robotic Laboratory (Minor project)	Computer Science	Requesting Amount 1,01,702 Under evaluation

3.3 Research Facilities

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

The College has more than 150 computers to be utilized for research by the faculty and students. Internet based connectivity is available for the staff and the students in the classrooms and auxiliary areas like administration section, library, sports room, etc. Wi-Fi facility is also available for staff. Students are availing of the facilities for accessing relevant websites and completing their academic projects.

Table below shows the institutional facilities available for research at MGM Dr. G. Y. Pathrikar College of Computer Science and Information Technology:

Sr.No .	Infrastructure Facility	Library and Software resources	Human Resource	Training Provided
1	Unlimited Internet connectivity	E-journals and E-books	Research Guidance	Training on how to carry out a research work
2	Well equipped computer laboratories	Good collection of journals and periodicals/magazines	One Ph.D. Guide	Training on research methodology and quality research
3	Well equipped library	Facility to lend books	-	Training on writing proposals
4	Discussion cum Conference-Board room	Network resource center	-	Training on Softwares
5	Well equipped research labs	-	-	-

- College provides research journals and magazines.
- The college has organized 1 national seminar and 1 international conference sponsored by NAAC and University respectively.
- The students also participate in ‘Avishkar’ an inter-collegiate Research Convention initiated by Dr. B. A. M. University, held annually.
- The students also selected & participated in ‘Avishkar’ an inter-university Research Convention initiated and selected by Dr. B. A. M. University, held annually.
- The college has initiated 1 international journal with ISSN numbers published annually.

- College listed on Indian Institute of Remote Sensing (ISRO) , Dept. of Space, Deharadun, Govt. of India, as Center for outreach program by IIRS, ISRO, Deharadun.
- College is listed as local chapter for National Program on Technology Enhance Learning (NPTEL) online courses. It provides E-learning through online web and video courses in Engineering science, Technology and management. Faculties and students joined the E-learning through online web and video courses like data structure using Python, Algorithm for Big data, Programming in C++, Introduction to Modern Applications, Development Image Processing.
- Students are encouraged to participate in various research competitions.
- Reprographic facility, generator facility, battery backup, etc. are made available

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

- The College recognizes the importance of research in new and emerging areas where timely interventions are possible.
- Research and Consultancy Committees of the College have developed policies to take care of planning, up-gradation, and creating infrastructure facilities for research.
- Individual departments identify emerging areas of research and develop a direction for their research activities in line with current trends.
- Each department is networked with institutes and, industries that spearhead in qualitative studies, inviting eminent scholars from such centers to Dr. G. Y. P. C. campus for conducting workshops and seminars for scholars and teachers.
- Such interactions have brought new insights on emerging areas of research and necessary infrastructure required for the same.
- The planning of the research in new and emerging areas is done by research committee in consultation with the faculty which recommends the same to the Principal and Management.
- The college provides required infrastructure like laboratory space, furniture, water and electricity supply, internet, menial help etc. whereas the needs of the

researcher like specific equipments are fulfilled from the project grants received. The existing infrastructure is upgraded or modified according to the needs of the equipments purchased.

- The Dr. G. Y. Pathrikar College of CS & IT management is keen on promoting research by procuring latest instruments and setting them up in a common instrumentation laboratory. The organization of the Centre for Research and procurement of instruments are in progress. The college applies for funding for research to agencies like UGC, DST, ISRO, and Dr. B. A. M. University. All departments have been provided computers/laptops, printers; Wi-Fi/internet connectivity and LAN network to share resources.
- E-books and e-journals through INFLIBNET
- Availability of reference books research journals and periodicals
- Seminar halls for research meets
- Financial assistance to attend seminars/conferences/workshops
- Institution is running online courses offered by Indian Institute of Remote Sensing (IIRS), ISRO, and NPTEL IIT for academic and research enhancement also required softwares like Matlab, Labview, Python, R and Weka software, etc. are available in the institution.

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.

Yes, the institution has received conference grants from other agencies for developing research facilities through conducting International Conference.

Sr. No.	Name of Agency	Grant Sanctioned	Purpose
1.	NAAC	1,00,000/-	Organizing National Seminar on NAAC identified areas
2.	Dr.Babasaheb Ambedkar Marathwada University	40,000/-	Organizing International Conference on Recent Advances in Computer Science, Engineering and Technology

The College has submitted a few proposals recently to attract funds from different

funding agencies for developing research infrastructure further.

- Research infrastructure development grant proposal is under process with DST TIDE Program for research on sign language.
- Proposal for Robotic Laboratory establishment is under process with the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Table below shows list of such projects

Sr. No.	Funding Agency	Topic of Research	Amount	Status
1.	DST	Sign Language Recognition	21,40,000 /-	Under evaluation
2.	Dr. Babasaheb Ambedkar Marathwada University	Robotic Laboratory	1,01,702	Under evaluation

These funds will be utilized, to a great extent, for developing research facilities in the College.

The Management has a very supportive outlook on this matter and supports the faculty in every way to attract funds and develop research infrastructure and output in the College.

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

The College is authentic center for running outreach programs offered by IIRS, ISRO, where students and researchers from the institutions and outside institution can enroll themselves for the advanced remote sensing courses.

Many faculty members have made use of research facilities available elsewhere for their research.

A few such cases are listed in Table below

Research facilities made use of outside the campus

Sr. No.	University / Institution	Student / Research Scholar	Facility Provided
1.	Dr. B. A. M. University	Mr. S. Y. Azade	Part Time PhD
2.	Dr. B. A. M. University	Mr. S. R. Sankaye	Part Time PhD
3.	Dr. B. A. M. University	Ms. R. L. Telgad	Part Time PhD
4.	Dr. B. A. M. University	Mr. V. K. Kale	Part Time PhD
5.	Dr. B. A. M. University	Mr. Ajitkumar Pundge	Part Time PhD
6.	Dr. B. A. M. University	Mr. Bharat R. Naiknaware	Part Time PhD
7.	Dr. B. A. M. University	Ms. R. L. Telgad	M. Phil.
8.	Dr. B. A. M. University	Mr. S. R. Sankaye	M. Phil.
9.	Dr. B. A. M. University	Ms. S. V. Satonkar	M. Phil.
10.	Dr. B. A. M. University	Ms. R. B. Patil	M. Phil.
11.	Dr. B. A. M. University	Mr. V. K. Kale	M. Phil.
12.	Dr. B. A. M. University	Mr. Ajitkumar Pundge	M. Phil.
13.	Dr. B. A. M. University	Ms. N. S. Patodkar	M. Phil.
14.	Dr. B. A. M. University	Ms. Apurva Dhawale	M. Phil.
15.	Dr. B. A. M. University	Mr. Bharat Naiknaware	M. Phil.
16.	Dr. B. A. M. University	Mr. Ashok Sangle	M. Phil.
17.	Dr. B. A. M. University	Ms. Pramodini Punde	M. Phil.

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

College has access of following e-resources given by Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.

- Digital library of IEEE is available for the researchers to access research articles on advanced technology.
- Remote access of e-resources such as,
 - EBSCO Discovery Service

- Discover Journals Using FEDGATE
- WILEY ONLINE Library
- UGC INFONET ONLINE JOURNALS
 - American Chemical Society
 - American Institute of Physics
 - American Physical Society
 - Annual Reviews
 - Cambridge University Press
 - Economic & Political Weekly
 - Emerald
 - Institute of Physics
 - JSTOR
 - Oxford University Press
 - Project Muse
 - Royal Society of Chemistry
 - ScienceDirect (10 Subject Collection)
 - Springer Link
 - Taylor & Francis
 - Web of Science
 - JGate
 - Indian Citation Index
- Online Database
 - ISID
 - JCCC
 - Wiley Blackwell
 - Royal Society of Chemistry
 - SCOPUS
 - IEEE Computer Society Digital Library (CSDL)
 - Proceedings of the National Academy of Sciences of the USA(PNAS)
 - Lexisnexis
- PAID Online Journals
 - EBSCO Journals

- eJurix India’s Electronic Law Library
- ALA e-books (Library Science)

The University library offers membership to the researchers to use their network resource centre and periodicals. The login ids are provided to recognized guides to enable them to use referencing software and subscribed websites of the University.

Over the past decade of its existence, the College has developed many research facilities either through college funds or investment made by the Management. A list of such facilities is given in Table below.

Table below Laboratory facilities available for researchers

Sr. No.	Facilities		
	Department	Lab & Software	Library
1.	Computer Science	1. Hardware lab 2. Microcontroller lab 3. DE Lab 4. Microprocessor lab 5. Linux lab	-
2.	Information Technology	1. Internet lab 2. IT Lab	-
3	Biotechnology	Lab and software	-

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

- Digital library of IEEE is available for the researchers to access research articles on advanced technology
- National and international research Journals and magazines are available in library for reference.
- More than 150 Computers with Internet/Wi-Fi, Printers, Scanners, Speakers, required software’s available for staff and students.
- The college has MOU signed with different institutions and industries for collaborative teaching & research, these are as follows
 - Purple Squirrel Pvt. Ltd, Mumbai,
 - Expert Global Pvt. Ltd,

- Manshakti Kendra, Lonavala,
 - SFK Infotech, Aurangabad,
 - Deogiri College, Aurangabad.
- ❖ To nurture research-oriented attitude in the teachers and students, the institution has been taking a progressive step by motivating collaborative research facilities in the college. Teachers have the privilege to have collaboration with other laboratories, research organization/industry.
 - ❖ The Management continuously motivates all the teachers for collaboration with industry. Hence the Management has decided to promote inter-disciplinary common research and boost collaborative research.
 - ❖ College has submitted a proposal for research centre and will be a centre for guiding PhD students in the subject of Computer Science
 - ❖ Also teachers, who are recognized guides for PhD, work through University.
 - ❖ The areas of expertise of each faculty are communicated through the college website.
 - ❖ INFLIBNET: The Ministry of HRD offers this facility to colleges on an annual premium. The college is subscribing to this facility since 2010. Today the library has access to 51,000 online journals and e-books through it.
 - ❖ Remote Access facility of E-resources provided by Dr. Babasaheb Marathwada University Library, Aurangabad is subscribed yearly.

Sr. No	Name of Faculty	No. M. Sc. / M. Phil / PhD Student Guided for research	Area of Research
1	Dr. Prapti Deshmukh	08	Image Processing, Medical Imaging, Biometrics, Pattern Recognition

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)**

The innovation research projects of the college are still in progress. The opportunities available for patenting will be explored once any unique and conclusive outcomes become visible.

*** Original research contributing to product improvement**

The College has till date not contributed to any product development/improvement.

*** Research studies or surveys benefiting the community or improving the services***** Research inputs contributing to new initiatives and social development**

An Android App has been developed to learn the sign language. This app will remove the gap between hearing Disabled persons and normal persons.

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?

Yes, Special issue of International Organization of Scientific Research (IOSR) Journal of Computer and Engineering (JCE) for publication of research papers presented in international conference on Recent Advances in Computer Science Engineering and Technology (ICRACSET-2017) to be held during 2-4Feb 2017. This journal is listed in various international databases such as NASA, Crossref, ARXIV ORG, Cabells, and Index Copernicus. Google Scholar.

Also this is under process with International Journal of Engineering and Manufacturing (IJEM) which is indexed in Google Scholar.

3.4.3 Give details of publications by the faculty and students:*** Publication per faculty***** Number of papers published by faculty and students in peer reviewed journals (national /international)***** Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)***** Monographs**

- * Chapter in Books
- * Books Edited
- * Books with ISBN/ISSN numbers with details of publishers
- * Citation Index
- * SNIP
- * SJR
- * Impact factor
- * h-index

International conference on recent advances in computer science engineering and technology proceeding published by IOSR journals P-ISSN 2287-8727.

The College has published 8 edited books, among which 1 is seminar Proceedings, more than 100 papers in Peer- Reviewed Journals and more than 25 research papers in Conference proceedings during the period of this report.

Articles Published in Peer reviewed journals (national and international) and those listed in international databases are given in annexure 3.1.4 D separately.

Our faculty presented more than 25 research papers in the International / National /State level Conference/Seminar/ symposium/workshops. The publication per faculty is in following Table 3.4.3 C.

The books/monographs published by the faculty during the period of the report are listed in Table 3.4.3 B

Table 3.4.3 A - Books with ISBN/ISSN:

Sr. No.	Year	Name of Book
1.	2016-2017	Proceeding of NAAC sponsored two days national level seminar on “Quality sustenance and quality enhancement by IQAC at Institutional level”
2.	2016-2017	Souvenir of Three days international conference on “Recent advances in computer science and engineering and technology”

Table 3.4.3 B - Books without ISBN/ISSN:

Sr. No.	Year	Name of Book
1.	2011-2012	BITZ (Yearly Magazine)
2.	2012-2013	BITZ (Yearly Magazine)
3.	2013-2014	BITZ (Yearly Magazine)

4.	2014-2015	BITZ (Yearly Magazine)
5.	2015-2016	BITZ (Yearly Magazine)
6.	2016-2017	BITZ (Yearly Magazine)

Table 3.4.3 C - The Research achievements of staff and students in terms of publications and patents applied for are listed in relevant sections of this document.

Sr. No.	Name of Faculty	Publications		No of Publications listed In international Databases	Mono graphs	Chapte r in books	Boo ks Edited	Books with ISBN & ISSN No.	Cita tion Inde x	SN IP	SJR	Im pac t Factor	H-Ind ex
		Conf erenc e	Jou rnal										
1	Dr. Prapti Deshmukh	37	12	30			2	2					
2	Mr. Sanjay Azade						1	1					
3	Mrs. Rupali Telgad	15	10	10									
4	Mr. Satish Sankaye	3	4				1	1					
5	Mrs. Sonal Satonkar												
6	Mrs. Rita Patil	4	2										
7	Mr. Vijay Kale	4	6										
8	Mrs. Vaishali Kumbhkarana												
9	Mr. Ajitkumar Pundge	5	3										
10	Mr. Ashish Bhalerao	2	5										
11	Mrs. Nirupama Patodkar						1	1					
12	Mrs. Pooja Vaidhya	4	5										
13	Mrs. Apurva Dhawale	1	3				1	1					
15	Mr. Nitin Upadhye												
16	Mr. Bharat Naiknaware	1	3										
17	Mr. Ashok Sangle	1	3										
18	Mr. Ravindra Komte												
19	Mr. Dayananad Gore	1	1										
20	Deepali Sawane	2	2										
21	Dr. M. M. Kazi	8	2				1	1					6
22	Ms. Puspha Rajgore	1	1										
23	Ms. Swapna Kadam												
24	Ms. Pramodini Punde	3	5										
25	Dr. Seema Sabnis	2	4										
26	Mr. Nilesh Udmale												

3.4.4 Provide details (if any) of

*** Research awards received by the faculty**

- Dr. Prapti D. Deshmukh, received an Amazing idea award in IEEE Science and information conference 2013, London, UK
- Dr. Prapti D. Deshmukh, received Excellent paper award in ICCEE 2013, Paris, France
- Dr. Prapti D. Deshmukh, received Best poster award in 100th Indian Science congress, Kolkata 2013
- Mr. Bharat Naiknaware received research fellowship DST Vishveshwaraya Ph.D. Fellowship in the year 2013-14
- Dr. Satish Sankaye, Best Paper Award in International Conference on Knowledge Engineering ICKE on 2-4 December, 2016, Aurangabad.
- Mr. Ashok Sangle, Best Paper Award in International Conference on Recent Advances in Computer Science, Engineering & Technology (ICRACSET 2017) on 2-4 February, 2017 Aurangabad.
- Mrs. Telgad R.L. received best paper award in International conference on Knowledge Engineering ICKE on 2-4 December, 2016, Aurangabad

Number of faculties / students receiving financial assistance from college, university, Government or other agencies

Sr. No	Name of Faculty	Name of Agency	Name of Scheme	Description of work	Amount	Duration
1	Mr. Bharat Naiknaware	DST-Media Lab Asia	Visvesaraya PhD Scheme for Electronics & IT	IT enabled product development	2.5 L	5 Years

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

Dr. P. D. Deshmukh received membership of ISCA Computer Science Session, which is a National Science Association promoting quality research in science.

- Listed in ‘Asia Pacific Who’s Who Vol 14’
- Jury member, district level Avishkar 2016
- Chairman, Sakshama Committee

- Honory Treasurer, IETE Aurangabad Center 2013-14
- Member of Affiliation Committee, Dr.B.A.M.University, Aurangabad.
- Referee for Ph.D thesis of different universities and Institutions.

Mr.S.R.Sankaye, Mr. Vijay Kale, Mr. Bharat Naiknaware selected for state level research competition Avishkar.

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

Financial incentives to faculty and students for paper publication in reputed journals and paper presentations in national and international conferences are under consideration of the Management.

The College recognizes the research achievements like receiving Ph.D Degree/publishing papers by felicitating the faculty member during official meetings and in the Academic Council.

3.5 Consultancy

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

The College has organize industrial visits to different IT companies like Infosys, C-DAC Pune, Expert Solutions Aurangabad, Opulent Infotech Pune. College has Placement Cell which is involved in establishing a relationship with industries and other institutes. These Cell looks into building an interface with industries. College has organized various guest lectures, seminars, workshops, training programs, placement activities etc. The college has MOU's with Purple Squirrel Pvt. Ltd, Mumbai, Expert Global Pvt. Ltd, Manshakti Kendra, Lonavala, SFK Infotech, Aurangabad, Deogiri College, Aurangabad.

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

The College has encourage Faculty members to take up consultancy work and contribute in professional industry and other professional work such as

- a) Design and development of art work like brochures, poster design and other print media material etc.,

b) Government and public service as like “Kaushalya Bharat”

Consultancy Policy

- The nature of consultancy should not interfere with the regular work of the staff members
- Any work undertaken should be with the knowledge of the college authorities and by taking permission from the College.
- The nature of consultancy should be in the interest of the College.
- There must be an official letter between the College and the consulting company.
- The income generated through consultancy must be shared on a 60:40 basis; 60 for the college and 40 for the staff.
- The staff member must not leave the College during the period of consultancy.
- The staff member is allowed leave during the period of consultancy for any onsite activity.
- The College is completely responsible to approve or reject any proposal for consultancy by the staff member.

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

The faculty members need to request approvals for this activity from the College Management. College has provided all the facilities which are required such as Computers, printers, Internet service, Wi-Fi connection etc., to running consultancy work.

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

Area of consultancy	Consulting company/ Institution	Income generated	Faculty involved	Year
Kaushalya Bharat	Govt. services	In Progress	Mr. Azade S.Y.	2016-17
Art work Design	Sanskar Vidyalaya, Aurangabad	Rs. 1600	Mr. Nilesh Udmale	2015-16
Art work	Institute of Naturopathy, Aurangabad	In Progress	Mr. Nilesh Udmale	2015-16
Art work -	Self- College brochures and other design work	N/A	Mr. Nilesh Udmale	2015-16
College Website	Self- College Website develop and maintenance	N/A	Mr. Satish Sankaye	2012-2016
Online MCQ Website	Self- College MCQ Website develop and maintenance	N/A	Mr. Bharat Naiknaware	2016-17
Library Software	Self- College Library software develop and maintenace	N/A	Mr. Satish Sankaye	2012-2016

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 income generated through consultancy shall be shared on a 60:40 basis; 60 for the college and 40 for the staff.

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?

College is running NSS program such as Blood donation camp and adopt one

village as a development of social responsibility. contribute towards value based education, skit for water conservation message for society.

College conduct and actively engaged in social projects of Govt. of India such as Yoga day, Swachha Bharat Abhiyan, Sarva Shikshan Abhiyan, students and staff attended seminar for Safe Driving program, Fire fighting program, Womens day program.

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

The College has organizes various programs and activities for the students guided by faculty members.

- The College has an eco-friendly, clean campus. The students are encouraged to keep their surroundings clean and tidy. It is an EMS certified institution with ISO 14001:2004 certification.
- The College campus is plastic free to maximum extent.
- There are various Committees in the College such as NSS, Earn and Learn, Internal complaint Cell, Lifelong education etc., through which various extension activities are organized.
- The College brings in eminent speakers and organize orientation programs for the students on overall development of student.

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

Our stakeholders are our students, parents, alumni and anyone closely related to the institution and its activities.

- The College has a developed mechanism of feedback from students. Students are required to give an online feedback of their classes and teachers, any other concern by the students are also addressed to as top priority.
- The College has implemented ERP system for the students in which faculties are filled online attendance of the student, upload tutorials, notes, or academic material.
- Social networking sites are the best way to touch base with the students who have completed their course in the institution. The College has various platforms like a dedicated facebook page, its alumni portal etc.

- Parents' teachers meet is organized every semester to interact with parents and get their feedback. The results are updated in the portal and if necessary the faculties contact parents to convey the details.
- The college has conducted industrial visits which is beneficial to improve the industrial workflow knowledge and current trends in Information technology for student.
- The College has an alumni association, which is very active. The office bearers of the association meet at regular intervals. They act as an interface in connecting with industries and the College.
- Department staff meetings are organized every month, general staff meetings of all the teachers in the institution is also organized as and when required to keep the staff aware of all the management policies and discussions.
- The Departments maintain communication with the parents; the parents are free to communicate to any official of the College to check student performance.
- Students can discuss their issues with the faculties/ Head of departments/ Principal.
- The college has in touch with the industries for placement activity also established good communication with them and it helps to organize guest lectures, seminar, and workshop for the student progress.

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

The College allocates certain amount of funds towards the extension activities and the other joined activities. All faculty members and students are involved in one or the other social activity

Sr. No	Name	Activity
1	NSS Activity	<ul style="list-style-type: none"> • Blood donation camp • Adopt one village and conducts various programs for social growth. • Skit for water conservation • Lectures on superstition • Lectures on Save girl child • Awareness of cleanness • Seminar on value based education • Seminar on personality development. • Contributed in construct dam • Computer literacy program for ZP School students.
2	Life Long Learning Cell	<ul style="list-style-type: none"> • Participated in awareness program of International Literacy day • Organized various programs for student overall growth.
3	Earn and Learn	<ul style="list-style-type: none"> • Allocate software and hardware related work to selected student and also provide some funds.
4	Internal complaint cell	<ul style="list-style-type: none"> • Organized special programs or workshop for students.

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

The college has NSS that ensure participation from students in the activities. The students of NSS take up a lot of activities such as village adoption, cleaning, Swacch Bharat Abhiyaan, seminar on water conservation, contributing to construct dam, Blood Donation Camps, Yoga day etc. List of Social Activities conducted

Sr.No	Date	Activities
1.	13 th Feb 2013	Seminar on 'Sexual Harassment at Workplace' by Dr.Mebal Fernandis, Dr. Nazma Shaikh, Mrs. Shubhanti Gavane.
2.	13 th July 2012	AIDS Awareness Program by Dr. Swati Shiradkar, Dr. Bapat, Dr. Pritam Phale.
3.	4 th Sept 2012	Personality Development Program by Dr. Dileep Ghare
4.	11 th Jan 2013	Two Days Personality Development Workshop by Mr. Sakhare
5.	13 th July 2013	Fire Fighting demonstration Program under Disaster Management
6.	23 rd Sept 2013	Guest Lecture on 'Motivation' by Colonel Janardanan.
7.	4 th Dec 2013	Intercollegiate Elocution, Poster, Essay Writing Competition on 1. Traffic Police: Facts and Perception. 2. Road Traffic Act: Satisfactory or Needs to be improved 3. Compensation for Accident Victim – To Help or Not
8.	20 th Dec 2013	Heritage Run (Marathon)
9.	16 to 22 Jan 2014	7 Days Residential Camp at Bakapur
10.	2 nd Jan 2014	Seminar on 'Sexual Harassment at Workplace' by Adv.Archana Gondhlekar
11.	14-15 th Feb 2014	Two Days Workshop on Student Career Guidance by Forensic Science by Mr.S.G.Gupta, Mr.N.M.Phatangre
12.	20 Feb 2014	Guest Lecture on "ShivChatrapati Shivaji Maharaj" by Prof. N,K.Bagul
13.	22 Mar 2014	Guest Lecture on "Saint Sahitya-Shikshana Sambhandicha Drishtikon" by Dr. U.M.Pathan
14.	21 July 2014	Blood Donation Camp

15.	18 th Aug 2016	Guest Lecture on Importance on Positive Attitude in Life by Swami Aaryanand
16.	22 nd Aug 2014	Guest Lecture on Personality Development and Swami Vivekanand by Swami Vishnu Padmanand
17.	17 th Sept 2014	Poster competition organized on “Dengue”
18.	2 nd Oct 2014	Essay Competition on the occasion of Gandhi Jayanti
19.	19 th Dec 2014	Heritage Run (Marathon)
20.	27 th jan to 2 nd Feb 2014	7 Days Residential Camp at Patoda village near Waluj MIDC.
21.	30 th jan 2014	Environmental study tour organized at Farola.
22.	20 th & 21 st Feb 2015.	Workshop on Motivation organized by Mr.Palakhiwale
23.	14 th jan 2015	Continues reading program organized on occasion of Name Extension Day.
24.	10 th Feb 2015	Social talk of Smt.Sindhutai Sapkal
25.	22 nd march 2015	Guest Lecture organized in memory of late Dr.G.Y.Pathrikar of Dr.Laxmikant Tamboli(great poet) on “Radhakrishna-Ek Anubandh”.
26.	17 th July 2015	Awareness program about various committees available in college for students such as antirraging, Internal complaint cell, Grievence redressel cell.
27.	23 rd Sept 2015	Session on “Teachers-Keepers of trust,a custodian of substance”of Mr.Doongaji –CEO TATA Group.
28.	22 nd sept 2015	Workshop on money management
29.	16 th Sept 2015	One Day Workshop on Ganesha idol making using natural ingredients
30.	27 th Nov 2015	Lecture on mind power
31.	3 rd Dec 2015	“Carrier Talk” by Mr.Joseph Monis(EPD & CSP office,Infosys,pune) & Mr.Girish Kale(placement officer,Dr.B.A.M.U),Mr.S.P.Varadhe(Empolymnt officer,Dr.B.A.M.U)
32.	20 th Dec 2015	Heritage Run (Marathon)

33.	18 th & 19 th Dec 2015	Open day on the occasion of MGM Foundation day
34.	19 th Dec 2015	A talk with Padmashree Jadav Molai Payeng
35.	20 th Jan 2016	A workshop on “Interview Techniques & Effective Communication skill” by Mr.Amit Bagchi- CEO NIE
36.	11 th Feb 2016	Awareness Program about “Educational and Scholarship Programs available in other countries” by Aarzo Consultant
37.	12 th Feb 2016	Workshop on “Tarunya Bhaan” by Dr.Swati Shiradkar(H.O.D,Dept of Gynecology,MHM Hospital)
38.	12 Feb 2016	In memory of Great Poet ‘Mangesh Padgaonkar’, The Program ‘Anandyatri’ was Attended
39.	15-22Feb 2016	7 Days Residential Camp at Ranjangaon Khuri
40.	22-29 Feb 2016	‘Yoga Shibir’ for all staff members
41.	27 Feb 2016	Self Defense Workshop for Girl Students
42.	6-8 Mar 2016	On the occasion of Women’s day following program organized in MGM; attended by GYP Staff members. <ul style="list-style-type: none"> • Anti-aging Program and Yoga, Chocolate making • Self defense workshop • Bakery Cooking Workshop
43.	3Mar 2016	Seminar organized regarding guidance for formation and functionary of ICC
44.	22 Mar 2016	Guest Lecture organized in memory of late Dr.G.Y.Pathrikar of Dr.Manavendra Kachole on “Drought in Marathwada and water management”.
45.	23 Mar 2016	Recall Martyrs Day of Shahid Bhagatsingh, Rajguru & Sukhdev
46.	2 April 2016	Autism Awareness lecture by Manik Bhise and attended by Faculty members
47.	14 April 2016	Continuous Reading program on the occasion of Dr. Babasaheb Ambedkar Jayanti by staff members
48.	16-17 June 2016	‘Two Days Yoga Shibir’ for all staff members on the occasion of International Yoga Day

49.	21 June 2016	Celebrated International Yoga Day by MGM
50.	24 Aug 2016	One Day Workshop on Ganesha idol making using natural ingredients
51.	25 Aug 2016	One life one Tree Program for mass tree plantation attended by student and staff members.
52.	7 Sept 2016	International literacy day Rally
53.	19-22 Sept 2016	Youth Festival organized by Dr.B.A.M.University, Aurangabad at Tuljapur attended and participated by faculty members and students
54.	15 Oct 2016	Continuous Reading Program on the occasion of Dr.APJ Abdul Kalam Jayanti.
55.	25 Nov 2016	Guest Lecture for students on “Study Tricks for Students” by Dr.Varsha Todmal, Manshakti Kendra, Lonavala
56.	Dec 2016	MGM Olympic conducted during 4-10 Dec, Staff and students are participated.
57.	17-19 Dec 2016	MGM Open Day
58.	20 Dec 2016	Cultural program organized on the occasion of MGM 34 th Foundation day.
59.	06 Jan 2017	Guest Lecture on “Functioning of Internal Complaint Committee Cell” by Dr. Pradnya Deshmukh Kale, Jawaharlal Nehru College, Aurangabad
60.	18 Jan 2017	State Level Workshop on “Cyber Law and Security” by Mr. Sachin Dedhiya, Cyber crime investigator, Mumbai.
61.	20 Jan 2017	Visit to “Manshakti Kendra”, Lonavala
62.	27 Feb 2017	Program on awareness of Internal complaint committee as per guidelines by Maharashtra state commission for women
63.	27 Feb 2017	Guest lecture on Changing role of women in society by Dr. Dipti Kundal, Smt. Shah college of Education, Surendranagar, Gujrat.
64.	27 Feb 2017	Kavya wachan by Smita Khursale on the occasion of Marathi Bhasha Din for students
65.	1 Mar 2017	Some of the faculty members are participated in lecture on “Diet tips and easy, tasty, nutritious weight loss

		receipees” by Sneha ved and organized by MGM Naturopathy.
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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?

- College is adopted one village through NSS Program and every year conducts 10 days camp and organizes different social programs like cleaning, computer training program, etc and other than various social awareness programs such as blood donation camp, seminar on value based education, personality development, etc., organizes throughout the year.
- College is actively involved in social activities like computer literacy program at ZP School, Visit to Matoshri old age home, Autism Center, Orphanage Center.
- MGM established Sakshama Cell for womens empowerment and Dr.P.D.Deshmukh is a Director of it. Under this various social activities such as seminars and guest lecture of eminent personalities, Yoga shibir, Aerobics, program for life support system are conducted throughout the year.
- College regularly conducts self defense program for girl students.
- College regularly conducts activities such as seminar on mind brain techniques, study tactics, Stress management,visit to center etc, in collaboration with Manshakti prayog Kendra, Lonavala.

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.

Objectives:

- The extension activities conducted by the College permit the student’s growth in a holistic manner; the students are made socially responsible

- These efforts thus complement the overall growth of the students. They help in development the right values among the students. These efforts truly drive them to be good citizens.
- The college through its efforts aims to develop moral values in the students.

Outcomes

Through the extension activity students are aware for importance of social activity and benefited students for stage courage, team work, handle social problems.

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?

College has involved in social community like

- Conducted open day program for society and arrange some knowledgeable programs for differently able students, arrange blood donation camp.
- Every year MGM organizes heritage run program, duathlon and triathlon and college is a part of organizing committee and near about 1000 runners are participated of various age groups.
- MGM organized one life one Tree Program in collaboration with Divya Marathi newsgroup for “mass tree plantation” our student and staff members are actively involved in this activity. Above 2000 people are participated.
- Students are Participated in awareness program of International Literacy day
- Students are participated in various programs under the different cell of the college such as Life Long learning, NSS.

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.

College is running or participating with Dr. Babasaheb Ambedkar Marathwada University and Some sister institutions like MGM Naturopathy, MGM blood bank for different extension activities. NSS Unit has conducted various blood donation camp with our sister institute i.e. MGM blood bank.

Life long education cell organized various social programs and awareness program with Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

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.

One of the NSS volunteer Ram Mhuskey is selected and attended for Republic day Parade at New Delhi Jan 2014.

In Aug 2016, two NSS volunteers are selected for Republic day parade at New Delhi.

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 college has associated with various industries and institutes for several programs.

- The College has invited experts from industry and research institutes as guest speakers, to address students for technical sessions, workshops etc.
- Organize a conference or workshop and invite faculties and students of various colleges to participate in the same.
- The various Departments of the College also improve their networking by sending the faculty members to attend or participate in workshops and conferences to other colleges.
- The faculty members of the College are also invited as resource persons, as chairpersons for a lecture session, as moderators etc.
- The faculty members pursuing higher studies are sent to other institutes or research labs of repute to do their work.
- Recommend the students to pursue higher studies to various institutes in India and abroad.
- Students recommended to do their project work in various institutes or industries
- Get connected with various industries for recruitments through Placement Cell.
- Networking with industries helps to arrange industrial or institutional tours for the students.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

- **College has signed MoUs with Purple Squirrel, Mumbai.**

It helps to contribute and managing the industrial visit interaction with our students. Students are get benefited by directly communication with the industrial experts and sharing their views, knowledge and current IT trends.

- **College has signed MoUs with SFK Infotech, Aurangabad.**

Students are getting benefited in completion of academic project field work.

- **College has signed MoUs with Manshakti Kendra, Lonavala.**

Various seminars and guest lectures conducted on Mind, Brain & Personality Development of our students & help them for their overall success.

- **College has signed MoUs with Deogiri college, Aurangabad.**

Conducted different activities for enhancement and quality of education and research to our students and various stakeholders.

- **College has signed MoUs with Expert Global Pvt. Ltd.,Aurangabad.**

Students are get benefited by directly communication with the industrial experts and sharing their views, knowledge and current IT trends.

- **College has signed MoUs with White Warbler Communications Pvt. Ltd. , Pune**

Students are get benefited for their academic projects by communication with the animation experts of White Warbler and sharing their views, knowledge.

- **College has signed MoUs with MGM Institute of Nursing. Aurangabad.**

Some of the Staff members of our college are actively conducts academic lectures and practical of computer related subjects.

- **College has signed MoUs with MGM Institute of Hotel management. Aurangabad.**

Some of the Staff members of our college are actively conducts academic lectures and practical of computer related subjects.

- **College has signed MoUs with MGM Naturopathy center, Aurangabad.**

College participates in various training program organized by MGM Naturopathy like Yoga shibir, weight loss program, Anti aging program various lectures on natural diet

for healthy lifestyle, etc

- **Orange Brand Communication, Aurangabad**
- **White Warbler Communications Pvt. Ltd. Pune**

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.

The College invites industrialist and subject experts for guest lectures and as speakers during workshops, seminars that help the college.

Students and Staff are benefited with some industry interactions such as Infosys, Expert solution, CDAC, Opulent, etc. also these interaction are very useful for students, faculties for academic and professional growth.

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

College has organized several local, state, national seminars, workshops on advanced technologies and recent trends in computer science and information technology. The themes of topic of the events are also of student's interest and their course subjects. The details of such events and visits by eminent resource persons were listed in 3.1.6 and 3.1.8.

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

a) Curriculum development/enrichment

Faculties are involved in curriculum development of the university courses.

Faculties are involved in ensuring that we interact with experts from the industries and institutes, it helps to understand the current requirement in industries and how we should be improve the students.

b) Internship/ On-the-job training

Students are taken internship from various companies like Tellysoft, Midas, SFK Infotech.

c) Summer placement

Students are placed in various companies like TCS, Midas, Tellysoft, KPIT, etc.

d) Faculty exchange and professional development

College allows faculty members to conduct academic theory lectures and practical at MGM Institute of hotel management, Nursing College.

The College organizes seminars for the professional growth of the faculty members.

The resource persons are from reputed organizations or institutes.

e) Research

Students and faculties are involved in various research activities like Avishkar, ISCA, etc.

The College encourages the faculty member to carry extensive research in the labs.

The faculty members are encouraged to attend seminars/ conferences and publish papers.

f) Consultancy

Art work designing, Kaushalya Bharat and other internal consultancy services are available. Faculty members are encouraged to utilize their expertise in consultancy

g) Extension

Faculty members are encouraged to utilize their expertise in consultancy. Through National service scheme, Earn and Learn, Life Long Learning and other social activities collaborative work has been done.

h) Publication

Faculties have published research articles in reputed national and International conferences and journals.

i) Student Placement

Every year students are placed in various companies such as KPIT, TCS, Tech Mahindra, Midas, Infosys, Wipro, and Tellysoft.

j) Twinning programmes - NIL

k) Introduction of new Courses

B.Sc. Animation is started from Academic year 2013-14 – This is three years degree course affiliated by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

l) Student exchange -NIL

m) Any other - NIL

Apart from this the college has academic and research linkages with following institutions/bodies/associations (without MoU):

Sr. No.	Institution / Association / International Bodies	Name of Faculty / Contact Person
1	Department of Computer Science and IT	Professor K. V. Kale , Former Head and B. C. U. D., Dr. B. A. M. University, Aurangabad
2	IETE Center, Aurangabad	Professor R. R. Deshmukh , Head Department of CS & IT, Dr. B. A. M. University, and Chairman, IETE Center Aurangabad
3	IEEE Bombay Section	Dr. B. Satyanarayana , Scientist, TIFR, Mumbai Dr. K. T. V. Talele , Bharatiya Vidya Bhavans' Sardar Patel Institute of Technology, Andheri(w), Mumbai
4	NPTEL Programme	Prof. Andrew Thangaraj , NPTEL Coordinator, IIT Madras Prof. R.K. Shevgoankar, NPTEL Coordinator, IIT Bombay
5	IIT Bombay Online Courses	Dr. Sameer Sahasrabudhe , Department of CSE, IIT Bombay
6	Spoken Tutorial Project	Ms. Vidya Kadam , Training Co-ordinator – Maharashtra IIT Bombay

7	University of Groningen	Dr. Marco Wiering, Institute of Artificial Intelligence and Cognitive Engineering University of Groningen, Netherlands
8	University of Groningen	Prof. Dr. N. (Nicolai) Petkov, Faculty of Mathematics and Natural Sciences, Intelligent Systems — Johann Bernoulli Inst. for Math. and CompSc. (CS), University of Groningen Groningen, The Netherlands
9	Science Research Association, China	Li Yu, Le Jia International, Hangzhou, China
10	IIRS, ISRO, Government of India	Dr. Harish Karnatak, Head, Remote Sensing & Geoinformatics Group, Indian Institute of Remote Sensing ISRO, Govt. of India, Dehradun

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

There is a defined budget allocated every year for the R&D activities. Faculty are encouraged to attend conferences, seminars, workshops and training programs. Every Department organizes several guest lectures by inviting experts from the industry and eminent personalities.

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

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 Infrastructure creation and development is done by various sources like feedback of students, observation by the management from their continuous visits to college and recommendation by different college committees. Accordingly the principal proposes the need for infrastructural in order to meet infrastructural needs to make the college campus teaching and learning development every year in Governing Council meetings and budget requirements are evaluated by management and it approves the proposals. The budget proposals are constituted keeping in view the last year's expenditure. While doing so, management also takes proper care to strengthen the facilities at departments friendly and advanced.

Increasing number of students and courses requires necessary creation and enhancement of infrastructure for smooth functioning of teaching and learning. Education for students from rural area is one of the highlights of vision and mission of the institute. Infrastructure is created and enhanced constantly keeping in view the changes on different level.

College is committed to improve the students centric teaching-learning process which results into making classrooms equipped with ICT enhanced teaching aids. Keeping this in view, the college has undertaken the work of extension of hostel and college infrastructure. The increasing number of enrolment requires enhancement in infrastructure. Hostel facilities for girl's .The detailed Physical Facilities are listed bellow.

- Total campus area is of 72 acres including built up area of 5810.24 sq mt.
- The college has total 18 class rooms with built up area of 1153.46 sq mt.,
- Well equipped 16 computer labs for Computer Science courses with built up area of 791.22 sq mt., and 8 wet laboratory for Biotechnology and Bioinformatics courses. with built up area of 899.45 sq mt.,
- The college has two departmental libraries and (215.59 sq mt.) one centralized big library with built up area of 620.27 sq mt. including various types of

journals ; reference books are arranged in a separate reading hall for students.
Total books are 3207.

- The college has three girls'hostels and one boy'shostels accommodating thousands of students. With built up area of 4362.29 sq mt.
- The college campus has ICT enabled classrooms, NCC and NSS rooms, ladies common rooms, seminar halls, a well constructed auditorium (2807.22sq.mt.) a conference hall (303.14sq.mt.) and canteens.
- The college campus has MGM Trust's centralized two sport fields of built up area of 17840.4 sq mt consists of gymnasium, sports hall and especially Rifle shooting hall with built up area of 457.33 sq mt ,badminton court and Golf court at padegaon .

4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, Animal house, specialized facilities and equipment for teaching, learning and research etc.

Following are the facilities available for curricular and co-curricular activities

Sr.No	Physical Infrastructure	Dept of CS & IT	Dept of Biotech	Total
1	Class room	10	4	14
2	Computer lab	13	3	16
3	Wet lab	0	4	4
4	Library	1	1	2
5	Tutorial spaces	-	-	1
6	Sport ground	-	-	2
7	Auditorium	-	-	3
8	Conference hall	1	1	2
9	Staff room	1	1	2
10	Guest room	-	-	1
11	Ladies room	1	1	2
12	Health center	-	-	1

13	Canteen	-	-	2
14	vehicle parking	1	1	2
15	Animal house	-	-	1
16	Specialized facilities - *Golf Court *MGM Khadi Center *Mahagami *Arogyam *We Care			

In the Auditorium Seminars, conference, guest lectures and other programs like cultural events, Sakshama –MGM women’s group programs are also organized. For our bioscience courses, to conduct practical sessions we have 4 wet lab. Our College also organized industrial visit, educational tours throughout the nation.

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

College has one of the aim is to serve society enlarge by providing well groomed students. One of the way is to achieve Extra –curricular activities such as debates, group discussions, singing competitions, dance competitions and other cultural activities are conducted

Sport (Outdoor and Indoor games) -.

The college campus has MGM Trust’s centralized two sport fields of built up area of 17840.4 sq mt consists of gymnasium, sports hall and especially Rifle shooting hall with built up area of 457.33 sq mt ,badminton court and Golf court at padegaon. Not only the students and the staff from the college take advantage of the sport ground but also the citizens from neighborhood area come to take morning and evening walk around the ground. Elderly people come in good number to make use of the mgm sport ground. Mgm provide centralized facility for various Outdoor and Indoor games. We also have a cricket ground with stadium facility.

Total two sport ground (for outdoor games)	17840.4 sq mt.
Area of sport ground 1- near canteen	1430.8 sq.mt.
Area of sport ground 2- near sanskar vidyal	16409.60 sq.mt
Rifle shooting hall	457.33 sq mt
Gymnasium	979.83 sq.mt
Badminton court	756.53 sq.mt
Total area of sports field(for indoor games)	2193.69 sq.mt.
Olympic Swimming pool	1250 sq.mt.
Diving pool	528 sq.mt.
Learners pool	200 sq.mt.

Gymnasium :

Gymnasium of built up area of 979.83 sq mt is opened for the benefit of the students. Various sports competitions including Ashwamedh competitions are also organized. The college is specially organizing rifle shooting tournament every year.

Auditorium:

Rukhmini Auditorium has been developed with seating capacity of 1000. Einstein hall with seating capacity of 150 .These auditoriums are used for the cultural programmes, campus placement drives, guest lectures, conferences, induction programmes and meetigs. Along with that college has two department conference halls.

NSS:

College has the NSS unit .It has an office room and a store room. It undertakes programmes like tree plantation, AIDS awareness programs, blood donation camp, anti-drug addiction programs, literacy awareness program, construction of percolation tanks at villages, water management programs, plastic collection programmes, fire extinguish program.NSS unit organizes a camp every year at nearby villages. One of the student of our college –Mr. Ram Mhaske was selected and sent to Delhi pared on 26-jan-2015.

NCC:

Proposal for NCC unit is in progress.

Cultural Activities:

College has developed adequate infrastructure for organizing different cultural program. Every year college is arranging cultural events like mehendi rangoli painting drawing and poster competitions, drama, singing ,dancing etc to boost the students hidden qualities.the ECA-In-Charge is appointed for smooth functioning of cultural programs.

Public Speaking:

public speaking competitions. Like elocution competitions, debate competition is organized by college. Students of our college sent at various competition under various programs heads like youth festival to to improve their personality development skill.

Communication skillsdevelopment:

For communication skills development language lab is provided to both staff & student. Many students & staff are sent in batches for training of MGM foreign language departments to improve communication skill.

Yoga: our college has organized 5 days yoga workshops by naturatopathy center. Many such events are organised, conducted by staff members like aerobics, fat to fit programs related to diet given by sneha ved.

Health and hygiene: Various health related programs are attended by staff members by stroke management, life support system – the primary steps for heart failure. The MGM trust has huge hospital setup inside same campus. Regular doctors are appointed in hospital. The doctor offers services as on demand .In case of emergency services are useful to hostel students, college students and staff. College arranges various health related programs throughout year frequently under various heads like hemoglobin checkup test blood group checkup, blood donation camp, healthy diet related programs.

Women Empowerment Cell: Aiming at the emancipation and empowerment of female students and staff, the cell chalks out the programs routinely. Our principal, **Dr .P.D.Deshmukh** is the president of **MGM, Sakshma Group** which is established for women empowerment .It correlates with the programs of Vishakha Cell and Sexual Harassment Cell. It has been provided with an office and supporting staff. various programs are organized every year on occasion of women's day under sakshma group like awareness of breast cancer, taruanyabhaan –teenagers problem, guest lecture on changing role of women's in society by Dr. Dipti Kundal, lecture on emotional management for working woman's by Dr. Aparana Ashtaputre, workshop on different types of pickles and RTS, special session for weight loss by diet expert from fat to fit “ weight loss funda by Sneha Ved , self defense workshop, life support system, aerobics, naam foundation office established in campus to help farmers suffering from draught in Maharashtra.

Other Facilities: We care center:-

Day care center is one of the best facility provided by MGM which takes care of children of MGM ladies staff. Due to this facility MGM ladies staff can work with more efficiently and with relax mind. As we care center not only look after their kids but also provide food and nourishes their kids .

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).

Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions is as below .College building has total 4 floors.

Sr.No.	Particular	Amount spent (in rupees)			
		2012-13	2013-14	2014-15	2015-16
1	Building	184,244.00	269,783.00	560,883.00	777,650.00
2	Sports Facilities	5,910.00	90,149.00	87,945.00	81,044.00
3	Classrooms	153,411.00	-	-	2,880.00
4	Laboratories	56,655.00	21,610.00	8,510.00	34,933.00
5	Library Extension	-	3,315.00	14,975.00	14,245.00
6	Sanitations	10,025.00	3,640.00	2,807.00	760.00
7	ICT Equipped classrooms	17,470.00	-	-	950.00
8	Office infrastructure	268,048.00	-	-	-
	Total	695,763.00	388,497.00	675,120.00	912,462.00

Existing physical infrastructure is as bellow.

Class rooms : 10 + 4= 14
 Computer Labs : 13 + 3 = 16
 *Wet Lab : 4
 Library : 1 + 1 = 2
 Physical Education : 1
 Auditorium-cum-Electronic room : 1
 Conference hall : 1 + 1 = 2
 ICT Enabled Halls: : 03+1=4

The college has augmented in the infrastructure by developing micro processor & micro controller lab, digital electronic labs/W & H/W labs and Linux lab with state of art .We had also provided ICT enabled class room & lab. We had provided internet facility to all labs near about for all computers. We had shifted our biotechnology

department into new building top floor which is 400 meter from our college. Because of shifting of our biotechnology department, we have provided too many facilities to the students in the form of increased no. of well equipped laboratory with separate kind of areas like research lab, genetics engineering, Industrial lab, Chemical eng. Lab. Microbiology lab, for all staff wifi facility is provided etc.

The college launched **B.Sc. (Animation)** course first time under Dr.Babasaheb Ambedkar Marathwada University, Aurangabad. Animation department enrolled student for all three years.

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

College provides essential help for physically challenged students and staff. Wheel chair is kept in building, and separate toilet blocks are maintained for such students. Hostels also have provision of ramps. Teaching staff as well as students always offer helping hand for such students in the campus. In exam extra time and classroom at ground floor is provided for physically challenged students.

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

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

a) Capacity of the hostels (to be given separately for boys and Girls)

Capacity of the hostels is 50 students Occupancy:22

Rooms in the hostel (to be given separately for boys and Girls)

Rooms in the hostel for boys-4, Rooms in the hostel girls-10

Mgm provides centralized facility for the hostels and two of ours faculty members are also appointed as warden in both of girls hostels.

b) Recreational facilities: audio - video equipment provided in hostels for students ,Sports club, Library, Meditation centre, gymnasium, yoga center are available.

c) Sports and Games (Indoor and Outdoor) facilities: sports complex with well equipped indoor and outdoor facilities is provided for both student & staff.

d) Health and Hygiene (Health Care centre, Ambulance, Nurse, Qualified Doctor) (full time/ part time etc.): college has MGM trust's centralized healthcare & ambulance facility.

e) Computer facility including access to internet in hostel is provided.

f) Library facility in the hostels is provided.

g) Internet for all staff and students and Wi-Fi facility only for staff.

h) Recreational facility-common room with audio-visual equipments like T.V. used for entertainment of hostelries students.

i) Residential facility for the staff- two of our staff members resides in MGM girls hostels & are also warden of the same hostels.

j) Constant supply of safe drinking water is every where in the campus.

k) For Security CCTV cameras are mounted every where in premises. Security guard is appointed for every building, entry gates; parking etc.MGM security unit has both male &female security guards.

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?Health and Hygiene (Health Care centre, Ambulance, Nurse, Qualified Doctor) (full time/ part time etc.):

MGM trust hospital provides centralized facility regarding ,Health Care centre, Ambulance, Nurse, Qualified full time as well as part time Doctors for taking care of students and staff.

4.1.7 Give details of the Common Facilities available on the campus

–spaces for special units like IQAC, Grievance Redressal unit, Women's Cell,

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

IQAC Cell	66.38 sq.mt(first floor)
Grievance Redressal Cell	42.18 sq.mt(first floor)
Women’s Cell	32.09 sq.mt(first floor)
Counseling Cell	42.18 sq.mt(second floor)
Career Guidance Cell	66.38 sq.mt(second floor)
Placement Cell	42.18 sq.mt(third floor)
Health Centre	33809.6 sq.mt
Recreational spaces for staff and students:	66.38 sq.mt(thirdfloor)
Safe Drinking water facilities available :	02
Auditorium	03
Canteen	1430.08 sq.mt

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 we have a Library Advisory Committee: member list is as below.

Library Advisory Committee
Dr. P.D.Deshmukh -Chairman
Dr.S.R. Sankaye- Vicechairman
Ms.V.M. Kumbhakarna -Member
Mr. V. Sapkal -Member secretary
Mr. Swaraj Mehunkar -Student general secretary

Significant initiatives implemented by the committee:

A Library Advisory Committee discuss at starting of every semester.

1. Requirement of new books / journals
2. Addition to infrastructure if required.
3. No. of books and titles vice-versa UGC requirement.
4. Lost / torn books
5. Operation of book bank if any.

4.2.2 Provide details of the following:

- Total area of the library (in Sq. Mts.) 620.27 sq.mt.
- Total seating capacity 182
- Working hours (on working days, on holidays, before examination days, during examination days, during vacation)
- on working days : 8 hrs
- on holidays : 6 hrs
- before examination days : 8 hrs
- during examination days : 12 hrs
- during vacation : 6 hrs
- Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

reading carrels	Individual Reading Carrels Separate reading room with 20 pairs of tables with 10 students/table
lounge area for browsing and relaxed reading,	Lounge Area for browsing and relaxing- A separate reading room facility with two large tables and 20 chairs for browsing, notes making, referencing and for discussion with students has been arranged in Main Library.
IT zone for accessing e-resources	IT zone for accessing e resources:- 03 Computers with 'OPAC' and 02

	computers with net connectivity are used for accessing books and e-resources.
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4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals, and e-resources during the last four years.

Library Advisory committee analyze the requirement of books demanded by students and staff .this committee also take acknowledgement of requirement of books as per revised syllabus and books per student ratio and purchase orders are placed

Amount spent on procuring new books, journals and e-resources

Library holdings	Year -12-13		Year – 13-14		Year – 14-15		Year – 15-16	
	Number	Total Cost	Num	Total Cost	Num	Total Cost	Number	Total Cost
Text books	70	26541	26	12920	21	9888	62	45485
Reference Books	22	10111	28	136660	12	9785	46	30761
Journals/ Periodicals	J-6 p-20	28000	J-6 p-27	27796	J-6 p-26	27600		
e-resources	-	-	-	-	-	-	Dr. BAMU	7000
Any other (specify)	3	430	4	1350	31	1665	18	1520

Bioscience Library :-

Library holdings	Year 2012-13		Year 2013-14		Year 2014-15		Year 2015-16	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text books	181	361935	172	128867	Nil	Nil	18	4504
Reference Books	Nil	Nil	11	80000	Nil	Nil	Nil	Nil
Journals/ Periodicals							29	66165
e-resources								
Any other (specify)Magzine							07	485/m onth

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

- OPAC facility is in progress
- Electronic Resource Management package for e-journals --6
- Federated searching tools to search articles in multiple databases available.
- Library Website - one tab is added for library in college website
- we have many In-house/remote access to e-publications like IAENG International Journal of Computer Science (IJCS)
- college Library is fully automated
- Total number of computers for public access is 557
- Total numbers of printers for public access- 09
- Internet band width/ speed -10 mbps and 20 mbps
- Institutional Repository facility ongoing.
- Content management system for e-learning is available college intranet. Disha moodle server(learning management system for online exam with IP address

192.168.40.14)

- Participation in Resource sharing networks/consortia is available with university and all staff member are provided with user id and pasward

4.2.5 Provide details on the following items:

- Average number of books issued/returned : 51%
- Average number of walkins : 61%
- Ratio of library books to students enrolled 1:3
- Average number of books added during last three years :238
- Average number of login to e-resources :34
- Average number of e-resources downloaded/printed : 6
- Number of information literacy trainings organized: 4
- Details of “weeding out” of books and other materials : 60 books

4.2.6 Give details of the specialized services provided by the library

- Manuscripts are available.
- Till date college library has total 30761 references
- College library has Reprography facility.
- ILL (Inter Library Loan Service) is available
- Information deployment and notification is available.
- College library has Download number of e journals & it's volume are available in spiral binding hard copy.
- Printing are available in spiral binding hard copy.
- Reading list/ Bibliography compilation is available
- College library has many In-house access with other college staff members and remote access to e-resources with university. All staff members are provided with U ID and PWD for login.

- User Orientation and awareness programs are organized.
- Assistance in searching Databases is available in electronic & manual form.

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

Library ensure access, use and security of materials as there is no open access system for students institute has appointed a librarian and all functions are handled by that person.

- 1) Book card is given to each book it is keep with book
- 2) For faculty as well as for student lib card is given
- 3) When book is issued book card is fill up and keep in lib card of respective person.
- 4) Question bank is available.
- 5) Xerox machine is separately available in library.

We maintained security as per follows:

- 1) Open access for student is restricted, books are issued by librarian.
- 2) Cupboard is locked and classification no. is given to each Cupboard.
Classification no. is attached with enclosure.
- 3) Each book is specified with secrete no code for identification and stamped with college stamp.
- 4) Different day are decided for issuing book for different classes for benefit of students.

Class	Days
I st year(CS/IT/BCA/Ani)	Mon-to- Tue
II nd year(CS/IT/BCA/Ani)	Wed-to- Thu
M.Sc. (CS) & M.Sc. (IT)	Fri-to- Sat
Biosciences courses	Mon-to- Sat

5) Late return books are consider under fine process 2/- Rs. Per day

Fine is taken from student.

6) Receipt is given to student.

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

The books will be issued to the physically challenged students as per their convenience and choice. News papers and periodicals are placed in the room meant for them. At present no facility for brail language for visually challenged persons. The special facilities like lift, ramp, will be soon offered by the library to the physically challenged person .Right now wheel chair is provided.

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

Feedback file is maintained in library. Library get the feedback from its users like stack holders,students,and other department faculty members feedbacks analyzed and used for improving the library services.student opinion and suggestion is considered in the library advisory committee meetings .

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) Details are maintained in lab status file.

- Computer-student ratio: 1:2
- Stand alone facility :UPS available

- LAN facility is available
- Wifi facility is available
- Licensed software yes, MSDN, Met lab, SPSS
- Number of nodes/ computers with Internet facility: **557**
- Any other facilities like ERP Software ,biometric machine, web camera, digital signature pad,etc.

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

configuration-core2, 160 HD, RAM-1GB, 15 inch TFT monitor, key board, mouse etc computers with Internet facility:**557**

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

The Institution made the plan of upgrading and modernization of the Computer systems in the Department through the budget. the upgradation is done to keep pace with latest development in computer technology and give the same to students.

Annual budget for up date computers is 5% of total budget and deployment and maintenance of the computer in the institute. The institute is planning for well equipped image processing lab.

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)

Table attached.

Type	New Computers	Computer software	Printers/Scanners	LCD Projectors	Comp.Lab.Maintenance
Year 2012-13	75,100.00	492,915.00	-	17,470.00	39,185.00
Year 2013-14	-	1,155.00	5,145.00	-	21,610.00

Year 2014-15	-	81,405.00	4,000.00	-	4,510.00
Year 2015-16	2,247,000.00	68,742.00	950.00	-	33,983.00
Total	2,322,100.00	644,217.00	10,095.00	17,470.00	99,288.00

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

The faculty is facilitated to prepare Computer aided teaching/learning material by downloading e-books and e-journals from the Internet. Available facilities are LCD, Laptop, Projector, sound system, LCD screen. The e-learning is also used in this regard. Students are encouraged to use maximum internet facility for learning. The institute is providing ppt 's & notes for student on their ERP login. Online courses like 19th IIRS outreach program on r"Remote sensing and GIS" application ,NPTEL python course by ISRO are completed by faculties.

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 college has implemented ERP software. Through ERP faculty upload tutorial question & notes. Student has given separate ERP login ID. Through this login ID student can see & refer notes subject. Online teaching, learning resources ICT enable classroom improves the learning ambience.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity

directly or through the affiliating university? If so, what are the services availed of ?

The Institution avail of the Knowledge Network connectivity through the affiliating university by MKCL, regarding affiliation, shodhaganga,

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 year

	Year	Year 2012-2013		Year 2013-2014		YEAR 2014-2015		YEAR 2015-2016	
		Particular	Budgetary	Actual Expn.	Budgetary	Actual Expn.	Budgetary	Actual Expn.	Budgetary
a	Building	-	184,244.00	2,000,000.00	269,783.00	2,000,000.00	560,883.00	1,000,000.00	777,650.00
b	Furniture	5,000.00	10,365.00	50,000.00	3,038.00	50,000.00	7,885.00	50,000.00	28,018.00
c	Equipment	-	-	50,000.00	600.00	50,000.00	12,034.00	50,000.00	7,200.00
d	Computers	20,000.00	20,446.00	50,000.00	10,676.00	50,000.00	6,235.00	50,000.00	9,100.00
e	Other - Electricals		143,775.00	50,000.00	-	50,000.00	-	50,000.00	8,016.00
	TOTAL Rs.	25,000.00	358,830.00	2,200,000.00	284,097.00	2,200,000.00	587,037.00	1,200,000.00	829,984.00
Grand Total		Budgetary		5,625,000.00					
Grand Total		Actual Expenditure		2,059,948.00					

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

The staff members of computer department handles the maintains of both software & hardware. If necessary for the accessory maintains services of software & hardware taken from outside resources. One of the faculty members has appointed as hardware incharge. Mgm trust has centralized computer maintains department which provides centralized service for accessory maintains of equipment.

The infrastructure facility equipment & services are maintained through the mgm centralized construction department, which provides services regarding maintains, repairing, building, classroom infrastructure & equipment etc. Provision for budget is also allocated for maintains of infrastructure & equipment.

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

The infrastructural facilities, services, and equipment are maintained through a Committee of Maintenance and Repairs. It awards works after calling the quotations and the work is offered after analyzing and comparing quotations. The computers are maintained by regular staff members and lab in-charge. The MGM group has centralized Construction dept which also helps to maintain the infrastructure facilities, services, and equipment.

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

Right now the Library is utilized as the main supporting service to augment the learning of students. As the Library is recently computerized the students and also the staff shall be encouraged to avail the benefit of all kinds of main and additional study material and reference material by visiting all possible sites where such one is available. A separate departmental library available for bioscience. Well ventilated classrooms and computer labs are available. Proper sitting arrangement is provided. Use of projector, video technique is provide

CRITERION V: STUDENT SUPPORT AND PROGRESSION**5.1 Student Mentoring and Support****5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?**

Yes, our Institute publishes the updated prospectus annually. We do include the information about the courses offered, the content of the course - semester wise, eligibility criteria, and admission procedures as per university norms. The information about infrastructure, teaching and non-teaching staff members and anti ragging rules, admission form is also published. The main admission process is conducted on-line.

It also includes highlights of placement, alumni, and the companies that visit to our college every year. The welcome messages by principal and management are published with in the prospectus. We also have pamphlets which contain the gist of the institute. We do upload information on our college website.

We have different committees which interact with the stakeholders, to ensure its commitment and accountability, we do take feedback. We also guide and support the stakeholders in their development as per requirement.

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?

Yes, we do provide the scholarship to SC, ST, etc., under State and Central Government Schemes. It's also disbursed on time to the respective student's account. The financial aid is provided in the form of reduction of fees depending on the student's economic background. This concession is provided as per government rules. The college offers financial assistance to such students within its financial limits on priority basis and also forwards their cases to the State Social Welfare Department for grant of scholarship/financial support.

Particular	2012-13		2013-14		2014-15		2015-16	
	Student	Amount	Student	Amount	Student	Amount	Student	Amount
GOI Scholarship	107	2336605	114	2423797	47	1159750	58	1403995
Minority	15	31400	8	-	10	-	22	-
GOI Freeship	17	346221	8	133909	4	79810	10	196800

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

11.60% of our students receive financial assistance from state government in the form of scholarship.

Sr. No	Type of Scholarship	2012-13	2013-14	2014-15	2015-16
1	Scholarship	64	54	41	58
2	Free-ship	14	33	32	37
Total		78	87	73	95
Percentage		11.93	8.93	8.78	7.17

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

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

The institute receives free-ships/scholarships for SC/ST category students and they are treated same as other students by solving their problems and also guided. Admission reservations, marks wise percentage relaxation for admission as per the rules of UGC and Maharashtra state government norms are followed for the students from SC/ST/OBC categories.

The college conducts UGC Sponsored Remedial Classes in respect of SC/ST/OBC/non-creamy layer and academically weak students free of cost. The remedial classes are undertaken with an aim to enable them to crack post-graduate entrance examination being conducted across the country and to reduce dropout rate.

The college offers financial assistance to such students within its financial limits on priority basis and forwards their cases to the State Social Welfare Department for grant of scholarship/financial support.

✓ **Students with physical disabilities.**

- Vehicle and Wheel chair facility

- Hostel facility on priority basis
- Prompt assistance during and after the admission process.

They are also given half an hour extra time in the internal and University examinations

The facilities are given as per the disabilities. They are been provided with wheel chairs for physically handicapped students. The lectures for special students are arranged on the ground floors and medical support is given as per required.

✓ **Overseas students**

Facilities like hostel, cafeteria, medical faculties, health club and the sport premises are provided to them. The most important library is made available for oversea students. To provide basic need for overseas students we have AC, Non -AC hostels, MGM hospital and cafeteria and travelling services.

These are the enlisted students from overseas

Sr No	Name of Student	Course/ Year	Country
1	Mohamed Ahmed Mohamed Ali	2013	Sudan
2	Mr. Belal Mohammed Ahmed Ali Al-Sellami	2015	Yemen
3	Mr. Al Madani Ali Mansour Mgamal	2016	Yemen
4	Al Hasan Ali Abdo Ali Al Harbi	2016	Yemen
5	Ibraheam Yahya Ismail Fathail	2016	Yemen
6	Mohamed Tawfik Ali Naji Mused	2016	Yemen
7	Zeyad Abdulhameed Taha Ahmed	2016	Yemen
8	Abdullah Saleh Mohammed Altabei	2016	Yemen
9	Amgad Abdulsalam Ahmed Tahir	2016	Yemen
10	Hamid Mansoor Abdullah Hasan Al Marrani	2016	Yemen
11	Ibrahin Mohammed Ali	2012	Saudi Arab
12	Mohamed Ali Younis Ibrahim	2012	Saudi Arab

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

College provides infrastructure to the students to prepare for various competitions. College also provides books, magazines, internet facility and financial support if required.

The students do participate in both cultural and academic activities which are been conducted by organizations, institutes and universities. The students present themselves in Youth Festivals like following activities paper/poster presentations, photography, crafting etc.,

- Magesh Magar B.Sc.C.S.-II Year achieved Gold Medal in Inter Collegiate 10 Meter Rifle Shooting in 2015-16
- Magesh Magar B.Sc.C.S.-III Year achieved Silver Medal in Inter Collegiate 10 Meter Rifle Shooting in 2016-17
- Rutuja Saudagar B.Sc. C.S.-I year won Gold Medal in Inter Collegiate Judo 40 Kg Weight Group
- Inter Collegiate Fencing Foil Tournament Vandana Kalyankar B.Sc.C.S.-I Year Bronze Medal 2016-17
- College has organized Inter Collegiate A- Zone Kabaddi Tournament 30-31 August 2016.
- 1 of our college students has participated in youth festival at Dr. Babasaheb Ambedkar Marathwada University in 2015.
- 6 of our college students have participated in youth festival at Shri Tulja Bhavani College of Engineering, Tuljapur, during 19th Sep to 22th September 2016.
- Mr. Ram Mhuskey B.Sc.C.S.-II Year selected for Republic Day Parade, New Dehli in 2014-15
- Ms. Rajeshri Kolte B.Sc.C.S.-III Year selected for Republic Day Parade, New Dehli in 2011-2012

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

The medical facilities are provided to the students as per the need and concessions are been provided. We conduct medical

check-up camps within the campus, guest lectures on health awareness are conducted and also arrange by medical practitioners. First-Aid box is provided in the college. College arranges special lectures which are conducted by gynecologist about health issues. Yoga shibir is conducted every year for both students and staff.

Sr. No	Event Name	Date
1.	Yoga Shibir' under sports department	22-29 Feb 2016
2.	Two Days Yoga Shibir' on the occasion of International Yoga Day	16-17 June 2016
3.	Workshop for Girl Students by clover dale staff under sports department	27 Feb 2016

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

We do provide coaching classes for MPSC/UPSC, banking within the campus i.e. at MGM Institute of Competitive Exams.

Sr. No.	Name of Program	Speaker
1	Guidance on preparation of MPSC and UPSC Competitive Exams	Captain Satish Dhage, MGM ICE
2	Organized Seminar by Mr.Pankaj Khandagale	on 'Competitive Exam Preparation'
3	Session by Mr. Harish Patel, Executive, T.I.M.E	Aptitude and Banking Industry

The books and magazines of different competitive examinations are provided in the library and internet facility is provided with in the computer labs. It results in motivating students for preparation of competitive examinations and different types of employment.

✓ **Skill development (spoken English, computer literacy, etc.,)**

We do have Communication Skills as a subject in academics, also trained the students with fluency in English and computer literacy. We have foreign language department in the MGM campus which provides coaching

classes for the students and staff. Also we organize various guest lectures and programmes on skill and personality development.

The affiliated university has a tie-up with INFOSYS, Bangalore under which the teachers from the affiliated colleges are trained to train the students for the industrial recruitments. It is called as “Train the Trainer” Program under INFOSYS‘Project Genesis. The teachers from our college have received the training in two categories of communication i.e. soft skill enhancement and analytical skill development. This activity has resulted in a positive effect for both staff and students. The impact of training gave a hike in placement and recruitments.

Every year, two college faculties attended faculty development program organized by Infosys at Pune for 10 days.

Sr. No	Name of the faculty	Specialization	Year
1	Miss Pushpa Rajegore	Analytical Skills	2015
2	Miss Swapna Kadam	_____”_____	2015
3	Miss Pooja Vadya	Communication Skills	2013
4	Mr. Bharat Naiknaware	_____”_____	2013
5	Mr. Ashok Sangle	Analytical and Communication Skills	2014
6	Ms. Rita Patil	_____”_____	2016
7	Ms.Pramodini Punde	_____”_____	2016

The below enlisted programs which were conducted for development:

Sr No	Date	Event	Topic
1	18 th Aug 2016	Guest Lecture Life by Swami Aaryanand	Lecture on Importance on Positive Attitude in Life
2	22 nd Aug 2014	Guest Lecture by Swami Vishnu Padmanand	Personality Development and Swami Vivekanand
3	4 th Sept 2012	Guest lecture by Dr. Dileep Ghare	Personality Development
4	23 rd Sept 2013	Guest Lecture by Colonel Janardanan.	'Motivation'
5	20 Sept 2014	Session by Satyajeet Ghuge (Co-Ordinator, ILearn) at MGM IOM	Personality and soft skills development
6	25 Sept 2014	Session by Dr. Pawan Agrawal, Mgmt consultant, President, Mumbai Dabbawala Education Center, at MGM IOM	The Great Indian Mgmt of Mumbai Dabbawala
7	22 nd march 2015	Guest Lecture organized in memory of late Dr.G.Y.Pathrikar of Dr.Laxmikant Tamboli(great poet)	on "Radhakrishna-Ek Anubandh".
8	23 rd Sept 2015	Session Mr.Doongaji –CEO TATA Group at MGM JNEC	"Teachers-Keepers of trust,a custodian of substance"
9	27 th Nov 2015	Lecture on mind power by manshakti Kendra lonavla	How to control mind
10	3 rd Dec 2015	Guest lecture by Mr.Joseph Monis(EPD & CSP office.Infosys,pune) & Mr.Girish Kale(placement officer,Dr.B.A.M.U),Mr.S.P. Varadhe(Empolyment officer,Dr.B.A.M.U)	Guidance to the student about "Career".
11	14 April 2016	Program on the occasion of Dr. Babasaheb Ambedkar Jayanti by staff members	Continuous Reading program
12	25 th Novem ber 2016	Dr. Varsha Todmal	Guest Lecture on "study tricks for student"

✓ **Support for “slow learners”**

We personally interact with the students by providing notes, videos, extra classes related to the subject or concepts.

Institute arranges some remedial courses, pre-requisite programs, Induction programs.

We also conduct bridge-courses to enhance students’ knowledge.

We ask them to write tutorials by providing different types of questions eg. Short answers, long Answers and multiple choice questions.

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

College conducts guest lectures of successful entrepreneurs, seminars, workshops, industrial visits, training programmes and counseling for options available for higher education, etc are provided to the students.

Sr. No	Date	Topic/ Subject
1	8 th Sept 2012	Guest Lecture on ‘Careers in Database Management’ by SFK Infotech
2	2 nd Jan 2013	Seminar on European Scholarship Program by Swagata.eu
3	23 June 2013	Session by Mr. Ninad Karpe, M.D., C.E.O., Aptech ltd.on career Opportunities inI.T. and Industry expectations
4	13 th Aug 2013	Workshop on E-Governance by Dr. B.A.M.University, Aurangabad.
5	August 2014	Workshop on Soft Computing by MGM JNEC, Aurangabad
6	20 Sept 2014	Science Exhibition visit by NSS at Govt. Polytechnic College
7	Oct. 2014	Guest lecture on Entrepreneur Development At MGM IOM by Mr. Manish Mahajan(Entrepreneur, Active Computers)

8	20 Jan 2015	Industrial visit to Expert Global Solution
9	21 st Jan 2015	Industrial visit to C-DAC Pune on
10	5 th Feb 2015	Awareness Program GRE & TOEFL for UG and PG Students
11	11 Feb 2015	Seminar by Aarzo Consultant on Education and scholarship Program available in other countries
12	4 th Aug 2015	Guest lecture by Mr.Bindesh Khushwah - WIPRO Technologies,Pune.
13	3 rd -7 th Jan 2016	14 PG Students Attended 103 rd ISCA Conference at Mysore
14	Jan 2016	State level Avishkar Research Championship at Pune University
15	19 th Feb 2016	Industrial Visit to “Opulent technologies” Pune
16	21 March 2016	Android App Challenge Competition
17	5 th -6 th Aug 2016	IEEE Bombay Section SKEP Program

✓ **Publication of student magazines**

“BITS” is a college magazine which is published annually by our college which includes poems, articles, stories, memories, and photos of events. We do contribute to MGM Organization by publishing our event – reports, achievements, and activities, in “Gawaksh” which is a quarterly magazine.

Workshop	No. of students participated
Hadoop Workshop	15

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

The students participate in different extra curricular activities as well as competitions conducted by institute or any other college, university.

- NCC camps
- Earn and learn
- NSS camps
- Organizing Seminars / Guest Lectures by well-known persons
- Organizing Technical seminars
- Industrial / study tours
- Conference / Workshop/ Science Exhibitions.

The above features do help the students do develop overall. The NSS activity

The NSS Regular Activity report for academic year 2015-16

Sr. No	Activity Name	Date
1	Tree plantation week(Varsh Mangal)	8 to 15 th June 2015
2	Rally organized by Aurangabad Police Commissionair Cycle for cause, women saftey	25 th July 2015
3	Ek swayamsevak Ek vriksh (tree planation program)	15 th August 2015
4	International Youth Day	17 th August 2015
5	Literacy Week	8 th -14 th Sep
6	A rally was conducted on the oaccasion of Marathwada Mukti Sangram Din	17 th September 2015
7	Blood donation Camp	21 st September 2015

8	National Service Scheme Week	24 th -30 th september 2015
9	Swachyata Abhiyan	2 nd October 2015
10	Namvistar Movement	14 th January 2016
11	Guest Lecture on Shivjai Maharaj Ek prerna dayi Charitra	15 th February 2016
12	NSS Special Camp 2016 at Rangangaon(pan) Village.(Cleaning Village, computer literacy, water conservation, importance of education etc)	16 th Feb to 21 st Feb 2016

NSS Regular Activity report for academic year 2014-15

Sr. No	Activity Name	Date
1	Inauguration, cleanliness program	27/01/2015
2	Cleaning of village	28/01/2015
3	Lecture on water conservation and actual work	29/01/2015
4	Women empowerment, personality development by Dr. Shilpa Jivrag and Dr. Prapti Deshmukh	30/01/2015
5	Awareness of computers	31/01/2015
6	Visit to Pharola (water treatment plant)	01/02/2015
7	Cleaning and vote of thanks	02/02/2015
8	Cleaning Program	17/01/2014
9	Lecture on Superstition	18/01/2014
10	Lecture on water Conservation	20/01/2014

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.

College has a committee of Extra Curricular activity, under which ECA(Extra Curricular Activity) In-charge and Sports Incharge looks after all the activities like Freshers, Annual Gathering, sports event etc.

College also encourages students to organize department wise activities such as welcome function, Teachers'Day, freshers, farewell Functions, Yog Shibir, Self Defense Workshop for Girl Students, etc.

College had organized Marathon in the year 2011-12 and 2013-14, 2015-2016, where students and people of Aurangabad participated. In December 2016, on the occasion of MGM Foundation Day, Dualathon (Run-Cycle-Run), Triathlon (Swim-Cycle-Run) was organized

- NSS camps are organized in which visiting villages, awareness of environment "Swachhata Abhiyan", computer awareness.
- Cleaning campaign
- Value based seminars, guest lectures
- Blood donation camps
- Other social activities: computer literacy, awareness about cleanliness in villages, about female foeticide, superstition, water conservation, awareness about viral diseases, importance of following traffic rules
- Poster competition
- Debate
- Essay writing

	Names of activities
2012-13	MGM Marathon, Annual Sports activities(cricket, volleyball, badminton, chess, throwball)
2013-14	MGM Marathon, Annual Sports activities(cricket, volleyball, badminton, chess, throwball)
2014-15	MGM Marathon, Annual Sports activities(cricket, volleyball, badminton, chess, throwball)
2015-16	MGM 1st Olympics,MGM Marathon, Annual Sports activities(cricket, volleyball, badminton, chess, throwball)
2016-17	MGM 2nd Olympics,MGM Marathon, Annual Sports activities(cricket, volleyball, badminton, chess, throwball, Running, long jump, kho kho, kabaddi)

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

Maximum number of students apply for CET, CAT exams, also for NET, PET, SET, and GATE, etc. exams. The college encourages and also ensures to provide required books. In addition to academic curriculum, the institute facilitates the students who are interested in the various competitive examinations related to technology and general issues. These students are been helped by the different competitive books and guidance by the faculty member. The college organizes seminars, workshops and guidance sessions for the preparation of the competitive exams by eminent personalities. We also arrange many interactive sessions for skill development and interview techniques.

For GRE, TOFEL, GMAT, SLET exams coaching is provided through foreign language department in MGM campus.

College has organized three days workshop for preparation of NET/SET/GATE on 16 to 18th Jun 2014.

Sr.No	Exam	No.of Students appeared	No. of Students passed
1	CSIR-NET 2014(June)	14	1
	CSIR-NET 2016(June)	6	0
2	SET(2016)	3	0

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

- Faculties also participate in academic and personal counseling, if necessary the Principal take part to solve the situation.
- Guidance for MBA/MCA/M.Sc. is given.
- Guidance for hostel facilities and solution for personal problems.
- Guidance for various competitive exams, career path

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, we do have Training and Placement Cell, in which we arrange campus interviews in our college or in other colleges. The College has Placement Cell that registers the final year students every year with their contact number, E-Mail Ids, and pass percentage. The cell informs the students about campus held in our college and any other institute / college through circulating the notice, mails, SMS or by informing through telephone.

The placement cell organizes various seminars, workshops, guest lectures, mock tests to train the students get acquainted with interview and group discussion skills.

The Alumni students guide our students for the placement and training purpose. We also invite the experts from reputed companies like Infosys, Wipro for giving career talk to the students.

The institute also arranges campus interview during the academic year by calling various companies like TCS, Infosys, Wipro, Tech Mahindra, TellySoft, Midas Technologies, KPIT, Syntel, Patni Computers, and New Horizon.

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

Yes, institution has a grievance redressal cell where students’ problem are solved and guided regarding their back – logs and further correspondence.

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

“Internal Complaint Committee” was introduced in the college especially as a solution regarding sexual harassment of all students and staff. Meetings of the members of internal Complaint Committee are held timely to plan activities and awareness programmes. Various programmes are organized under this cell for awareness to avoid sexual harassment in our college such as;

- Guest lecture on Changing Role of Women in Society Dr. Dipti Kundal, Assistant Professor, Smt. M.M.Shah College of Education, Wadhwan City, Gujrat, on 27/02/2017, G.Y.P Conference Hall.
- Seminar on functioning of Internal Complaint Committee on 6/1/2017 by Dr. Pradnya Deshmukh, Assistant Professor, Jawaharlal Nehru College, Aurangabad
- Seminar by Adv. Archana Gondhalekar on 03/03/2016 at 4:00pm, Einstein Hall
- “Tarunya Bhaan”, Seminar by Dr. Swati Shiradkar on 12th February , 2016
- Blood check up camp for all faculties and students on 8th March 2015
- General awareness in students about Internal Complaint Committee on 4th December 2014
- “Vidyarthinino Nirbhid wha!” Lecture by Dr. Jayashree Godse, on 29th September 2014
- Prevention, Prohibition and Redressal Act 2013, Sexual Harassment at working place By Dr. Mebal Fernandez, on 5th March 2014
- Seminar by Dr.Mebal Fernandis, Dr. Nazma Shaikh, Mrs. Shubhanti on ‘Sexual Harassment at Workplace’ on 13th Feb 2013.

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

Ragging is strictly prohibited in the campus and in the college. There are no instances of reported during last four years.

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

- Cafeteria facility is provided in subsidized cost in the campus as well as special diet is also provided through Naturopathy.
- We have 3 Canteens + HOTEL
- Near Play Ground(stadium)
- Rukmini Hall, near JNEC
- Concession at MGM HOSPITAL
- Gymnasium
- Under earn and learn scheme, students who are economically weak are given preference and privilege to look after the projects like library

management system, DTP work of College Administration, maintaining Hardware Labs, operating XEROX machine and garden maintenance.

- Sports complex for students (Badminton, Table Tennis, Lawn Tennis, Rifle Shooting, Swimming, Cricket, Golf, Basket Ball, Gymnastics, Marshal Arts, etc)

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

Our Institution has an Alumni Association Cell headed by Principal and the current coordinators are:

- Ms. Apurva Dhawale.
- Ms. Swapna Kadam
- Arranging alumni meet and keeping touch with the alumni and their organization.

Following activities are carried out under this cell .

- Guidance by the alumni to the current students for their personality development, interview skills, group discussion preparation, campus.
- Giving awareness about the current opportunities in I.T. Sector.

Recently College had organized Alumni meet on 25th August 2016, 5th September 2015, 25th January 2014, 28th Feb. 2012 to meet Alumni to share their working experience with our existing students, our department had also organized lectures of our alumni to guide our students about how to place them into industries, which skills are required for placements, etc.

Note: More than 50% alumni prefer to go for post graduation & it is observed that 10 – 50% alumni go for industry.

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.

Year	2012-13	2013-14	2014-15	2015-16
U.G to P.G	96%	98%	98%	98%
P.G. to PhD	15%	16%	-	4%
Employment	95%	97%	97%	98%

Most of the students go for higher studies (P.G.) and those who are placed in the companies they are offered for M.S.

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.

Programme wise pass percentage UG					
Sr. No	Programme	2012-13	2013-14	2014-15	2015-16
1	B.Sc. C.S	70.93	85.41	73.27	68.75
2	B.Sc. I.T.	96.55	79.41	95.45	46.15
3.	B.C.A.	90.90	90.19	71.42	84.84
4	B.Sc.Animation	----	-----	-----	-----
Programme wise pass percentage PG					
5	M.Sc. C.S.	78	71.18	73.07	51.28
6	M.Sc. I.T.	35	45.45	93.3	88.88
7	M.Sc. Biotech	92.1%	89.47%	88.88%	100%
8	M.Sc. Bioinfo	-	-	-	-
9	M.Sc. Genetics	100%	100%	-	-

Comparative result with other college

Programme wise pass percentage UG									
Sr. No	Programme	2012 -13	M.I.T Colleg e	2013 -14	M.I.T Colleg e	2014 -15	M.I.T Colleg e	2015 -16	M.I.T Colleg e
1	B.Sc. C.S	70.93	89	85.41	77.33	73.27	70.65	68.75	63
2	B.Sc. I.T.	96.55	84.5	79.41	86	95.45	46.5	46.15	75
3.	B.C.A.	90.90	79.33	90.19	94.92	71.42	79.33	84.84	86
4	B.Sc.Animation	----		-----		-----		-----	
Programme wise pass percentage PG									
5	M.Sc. C.S.	78	80	71.18	41.5	73.07	56.5	51.28	50
6	M.Sc. I.T.	35	89	45.45	23	93.3	76.19	88.88	75

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

This facility is taken care by Placement cell and Alumni. The activities as campus interviews, training programmes, workshops, seminars, guest lectures are organized to facilitate student progression to higher level of education and/or towards employment.

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

- To minimize the drop rate of the left and failed students, we insure extra lecturers in teaching which reduces the drop rate.
- Though cases of failure and dropout are considerably low in the institution, there is an effective preventive mechanism executed through Student Mentoring System. Faculties guide, motivate, and support student lagging behind in academic performance.
- Special attention is provided to those students in order to make their concepts clear. Personal counseling is also provided to those students.
- Organize workshops, seminars for the hard subject like, Android, Compiler Design, Digital Image Processing, and Parallel Computing with hands on practices.

5.3 Student Participation and Activities

The students participate in different extra curricular activities as well as competitions conducted by institute or any other college.

- Earn and learn
- NSS camps
- Seminars / Guest Lectures by experts
- Organizing Technical seminars
- Industrial / study tours
- Conference / Workshop/ Science Exhibitions
- Sports Events at college, inter-collegiate, IUTs
- Poster and quiz competitions at college, inter-college and University level
- Stress management programs and Importance of Yoga
- The details of programmes and activities are as under:

Sr. No	Date	Seminars	Key Issues
1	13 th July 2012	Seminar by Dr. Swati Shiradkar, Dr. Bapat, Dr. Pritam Phale.	AIDS Awareness
2	13 th Feb 2013	Seminar by Dr.Mebal Fernandis, Dr. Nazma Shaikh, Mrs. Shubhanti Gavane under vishakha cell.	'Sexual Harassment at Workplace'
3	13 th July 2013	Fire Fighting demonstration Program under Disaster Management and ISO 14001:2004 EMS	Awareness about disaster management
4	2 nd Jan 2014	Seminar on by Adv. Archana Gondhlekar	'Sexual Harassment at Workplace'
5	14 th Jan 2015	Continues reading program	on occasion of Name Extension Day.
6	17 th July 2015	Seminar on Awareness program about various committees available in college for students such as antirraging, Internal complaint cell, Grievence redressel cell.	Awareness program about various committees available in college for students
7	3Mar 2016	Seminar organized regarding guidance for formation and functionary of ICC	Seminar organized regarding guidance for formation and functionary of ICC
8	23 Mar 2016	Recall Martyrs Day of Shahid Bhagatsingh, Rajguru & Sukhdev	Recall Martyrs Day
9	10May-14June 2016	Attended Pre-Ph.D course in Dept of CS and IT, Dr. B.A.M.University, Aurangabad Mr. Sankaye S.R., Mrs. Telgad R.L., Mr. Naiknaware Bharat, Mr. Kale Vijay	Pre-Ph.D course
10	21 March 2016	Android App Challenge Competition	Android App
11	28June to 15 July 2016	17 th Indian Institute of Remote Sensing (IIRS) Outreach Program on GeoWeb Services and GeoPortal Application	GeoWeb Services and GeoPortal Application
12	27 th July 2016	Indian Institute of Remote Sensing (IIRS) Workshop on Capacity Building Program for Asset Mapping	Capacity Building Program for Asset Mapping

13	5 th -6 th Aug 2016	IEEE Bombay Section SKEP Program	SKEP Program
14	22 nd Aug to 18 th Nov ,2016.	18 th IIRS Outreach Programme on "Basics of Remote Sensing, GIS & GNSS"	"Basics of Remote Sensing, GIS & GNSS"
15	2 nd Jan 2013	Seminar on European Scholarship Program	SWAGATA.Eu
16	14 th Feb 2013	Seminar	Cyber Law
17	17 th Aug 2015	One day by Mr.Prashant korrane- coordinator MKCL,pune	seminar on "Digital India"
18	11 Feb 2015	Seminar by Aarzo Consultant	on Education and scholarship Program available in other countries
19	17 th Jan 2017	One day seminar by "Sachin Dedhiya"	on Cyber Law & Cyber Security
Sr.No	Date	Guest Lectures	Key Issues
1	4 th Sept 2012	Guest lecture by Dr. Dileep Ghare	Personality Development
2	23 rd Sept 2013	Guest Lecture by Colonel Janardanan.	'Motivation'
3	20 Feb 2014	Guest Lecture by Prof. N,K.Bagul	"ShivChatrapati Shivaji Maharaj"
4	22 Mar 2014	Guest Lecture by Dr. U.M.Pathan	"Saint Sahitya-Shikshana Sambhandicha Drishtikon"
5	18 th Aug 2016	Guest Lecture Life by Swami Aaryanand	Lecture on Importance on Positive Attitude in Life
6	22 nd Aug 2014	Guest Lecture by Swami Vishnu Padmanand	Personality Development and Swami Vivekanand
7	22 nd march	Guest Lecture organized in memory of late Dr.G.Y.Pathrikar of Dr.Laxmikant	on "Radhakrishna-

	2015	Tamboli(great poet)	Ek Anubandh".
8	23 rd Sept 2015	Session Mr. Doongaji –CEO TATA Group.	“Teachers-Keepers of trust, a custodian of substance”
10	27 th Nov 2015	Lecture on mind power by manshakti Kendra lonavla	How to control mind
11	3 rd Dec 2015	Guest lecture by Mr.Joseph Monis(EPD & CSP office.Infosys,pune) & Mr.Girish Kale(placement officer,Dr.B.A.M.U),Mr.S.P.Varadhe(Empolyment officer,Dr.B.A.M.U)	Guidance to the student about “Carrier”.
12	19 th Dec 2015	A talk with Padmashree Jadav Molai Payeng	On the occasion of MGM foundation day
13	22 Mar 2016	Guest Lecture organized in memory of late Dr.G.Y.Pathrikar of Dr.Manavendra Kachole	“Drought in Marathwada and water management”.
14	2 April 2016	lecture by Manik Bhise and attended by Faculty members	Autism Awareness
15	14 April 2016	Program on the occasion of Dr. Babasaheb Ambedkar Jayanti by staff members	Continuous Reading program
16	20Aug 2016	Organized Seminar by Mr.Pankaj Khandagale	on ‘Competitive Exam Preparation’
17	26Aug 2016	Guest lecture by Dr. Yogesh Kant under IIRS,ISRO,Deharadun Student and Staff members	on ‘Thermal Remote Sensing’
18	8 th Sept 2012	Guest Lecture on ‘Careers in Database Management’ by SFK Infotech.	
19	6 th Dec 2014	Guest lecture by Gautam Pathare & Rahul Kawathekar from Cyber cell,Aurangabad	on “Cyber Crime & Cyber laws”
20	20 Jan 2015	Industrial visit to Expert Global Solution on 20 th Jan 2015	To give knowledge to the students about IT sector
21	21 Jan 2015	Industrial visit to C-DAC pune on 21 st Jan 2015	To give knowledge to the students about IT sector
22	26 th Aug 2015	Two days workshop organized by Mr.Giri	on “Advances in Java Programming”
23	4 th Aug 2015	Guest lecture by Mr.Bindesh Khushwah - WIPRO Technologies,Pune.	“Cloud Computing &

			CRM”
24	23 rd dec 2015	Guest Lecture by Mr.T.V.Talele,Mumbai	IEEE
25	5 th Feb 2015	Awareness Program GRE & TOEFL for UG and PG Students	Guidance about Career
26		Guest lecture by Dr.R.R.Manza, Associate Prof, Dept of CS and IT, Dr.B.A.M.University, Aurangabad.	on ‘computer vision’
27	6 th Jan 2017	Guest lecture by Pradnya Kale under VISHAKHA CELL.	Functioning of ICC
28	27 th Feb 2017	Guest lecture by Dipti Kundal	Changing the role of women in society
12	30 th Jan & 1 st Feb 2017	Two day National conference on Quality Sustenance and Quality Enhancement By IQAC at Institution Level	On NAAC Quality Sustenance and Quality Enhancements.
13	31 st Jan to 2 nd Feb	International conference	Recent trends in computer science ,Engineering and information technology

Sr. No	Date	Workshops	Key Issues
1	11 th Jan 2013	Two days Workshop by Mr. Sakhare	Personality Development
2	4 th Dec 2013	Intercollegiate Elocution, Poster, Essay Writing Competition on 1. Traffic Police: Facts and Perception. 2. Road Traffic Act: Satisfactory or Needs to be improved 3. Compensation for Accident Victim – To Help or Not	To improve students in all areas such as poster presentation ,easy writing and etc
3	20 th Dec 2013	Heritage Run (Marathon)	To guide participants of heritage run and check all the check points.
4	16 to 22 Jan 2014	7 Days Residential Camp at Bakapur	To do the work under NSS
5	14-15 th	Two Days Workshop on Student Career	Student Career

	Feb 2014	Guidance by Forensic Science by Mr.S.G.Gupta, Mr.N.M.Phatangre	Guidance by Forensic Science
6	21 July 2014	Blood Donation Camp	Work done under NSS
7	17 th Sept 2014	Poster competition	Awariness of dengue "Dengue"
8	2 nd Oct 2014	Essay Competition	on the occasion of Gandhi Jayanti
9	19 th Dec 2014	Heritage Run (Marathon)	To guide participants of heritage run and check all the check points.
10	27 th jan to 2 nd Feb 2014	7 Days Residential Camp at Patoda village near Waluj MIDC.	To do the work under NSS
11	30 th jan 2014	Environmental study tour organized at Farola.	Awariness about Environment
12	20 th & 21 st Feb 2015.	Workshop by Mr.Palakhivaleat MGM's JNEC.	Motivation organized
13	22 nd sept 2015	Workshop on money management	How to manage money
14	16 th Sept 2015	One Day Workshop on Ganesha idol making using natural ingredients under animation department and EMS.	To make the Eco-friendly environment and
15	20 th Dec 2015	Heritage Run (Marathon)	To guide participants of heritage run and check all the check points.
16	18 th & 19 th Dec 2015	Open day on the occasion of MGM Foundation day	College is open for all to visit.
17	20 th Jan 2016	A workshop by Mr.Amit Bagchi- CEO NIE	"Interview Techniques & Effective Communication skill"
18	12 th Feb 2016	Workshop by Dr.Swati Shiradkar(H.O.D,Dept of Gynecology,MHM Hospital) under Internal Complaint committee	on "Tarunya Bhaan"
19	12 Feb 2016	In memory of Great Poet 'Mangesh Padgaonkar', under skshma group	The Program 'Anandyatri'

20	15-22Feb 2016	7 Days Residential Camp at Ranjangaon Khuri under NSS	To do the work under NSS
21	22-29 Feb 2016	'Yoga Shibir' for all staff members under sports department	Yoga shibir for health awareness
22	27 Feb 2016	Workshop for Girl Students by clover dale staff under sports department	Self Defense
23	6-8 Mar 2016	On the occasion of Women's day program organized in MGM; attended by GYP Staff members.	<ul style="list-style-type: none"> • Anti-aging Program and Yoga, Chocolate making • Self defense workshop • Bakery Cooking Workshop
24	16-17 June 2016	'Two Days Yoga Shibir' for all staff members on the occasion of International Yoga Day	Yoga shibir for health awareness
25	21 June 2016	Celebrated International Yoga Day by MGM	Yoga
26	24 Aug 2016	One Day Workshop on Ganesha idol making using natural ingredients under animation department	To make Eco-friendly environment
27	25 Aug 2016	One life one Tree Program for mass tree plantation attended by student and staff members.	For awareness of tree plantation, MGM Trust
28	7 Sept 2016	International literacy day Rally under NSS dept	International literacy day
29	19-22 Sept 2016`	Youth Festival organized by Dr.B.A.M.University, Aurangabad at Tuljapur attended and participated by faculty members and students	Youth Festival
30	13 th Aug 2013	Workshop on E-Governance by Dr. B.A.M.University, Aurangabad.	E-Governance
31	2014	Workshop on Soft Computing by MGM JNECE, Aurangabad	Soft Computing
32	2014	Refresher Course by Dr. B.A.M.University, Aurangabad. Attended facultie: 1.Mrs. Patil R.B. 2.Mrs Patodkar N.S. 3.Mr. Ashish Bhalerao 4. Mr. Pundge A	E-Governance and E-Learning
33	2014	Two Weeks ISTE Workshop by IIT Bombay	Computer

		Attended Faculties: Ms. Aarti Kadam Mr. Ashish Bhalerao Mr. Komte R.S Mr. Gore D.B.	Programming
34	10 - 20 July 2014	Ten Days Workshop by IIT Bombay Attended Faculties: 1.Mrs. Patil R.B. 2.Mrs Patodkar	Cyber Security
35	20 Sept 2014	Science Exhibition visit by NSS at Govt. Polytechnic College , Mrs. Vijaya Patil and students	Science Exhibition
36	25 th to 30 th May 2015	Two Days IIT Workshop at MIT College in association with IIT Bombay Attended Faculties: Ms.Apurva Kale & Ms.Surekha Kalyankar	Use of ICT in education
37	29 th Jun- 7 th July 2015	10 days Faculty Development Program organized by Infosys,Mysore attended by Mr. Ashok Sangale	Faculty Development Program
38	28 th Sept 2015	Workshop by Dr.BAMU attended by all PG staff	CBCS System
39	Jan 2016	State level Avishkar Research Championship at pune University. Attended by Mr.Bharat Naiknaware & Ms.Ankita Kasliwal	Avishkar Research Championship
42	17-18 Feb,2016	Two Days IETE National Workshop	on Multicore Technology
43	2-3 Feb 2016	Two Days National Workshop collaboration with IIT, Madras and ARK Techno-Solutions, Mumbai	on Android App Development
44	17 to 18 th Jan 2014	Two Days Workshop ,PG Dept	on ASP.Net
45	16 to 18 th Jun 2014	Three Days Workshop for preparation of NET/SET/GATE	NET/SET/GATE
46	22-24 Oct 2014	Three Days Workshop by Dr. R.R.Manza	on Matlab and Image Processing
47	22 nd & 23 rd Jan 2015	A workshop by Dr.Ramesh Manza (Associate Professor,Dept of Cs & IT,Dr.B.A.M.U)Dr.Mukta Dhopeswarkar (Associate Professor,Dept of Cs & IT,Dr.B.A.M.U)	on “Compiler Design & Image Processing”

48	19 th Feb 2016	Industrial Visit to “Opulent technologies” pune	To give knowledge to the students about IT sector
49	18 th Feb 2017	Self defense program for Girls	To train girl students that how to defend ourselves

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

In 2015, 42 students participated in intercollegiate tournaments for cross country, chess, kho kho badminton, boxing, rifle shooting, yoga and cricket.

In February 2015, our students won Intercollegiate Megamind trophy for IT quiz at MGM Institute of Management.

In January 2017, Miss Mrunal, and miss Shruti Dharmadhikari won First prize in Intercollegiate Poster Competition held at MIT College, Aurangabad.

One student participated in interuniversity Rifle shooting tournament at Varanasi.

Intramural tournaments:

- Awarded by Best cultural event at MGM Olympic opening ceremony with golden metallic shield.
- Kho-Kho Runner up
- Throw Ball Runner up
- Basket Ball Runner up
- Athletics 400m Runner up

Date	Game	Place	Number of players	Type of Tournament
21 Aug. 2015	Cross Country	Jalna	2	InterCollegiate
22 Augsut 2015	Chess	Aurangabad	5	InterCollegiate
27 Aug 2015	Kho-Kho	Ambejogai	12	InterCollegiate
29 Sept 15	Boxing	Aurnagabad	1	InterCollegiate
8 Sept 2015	Badminton	Kannad	5	InterCollegiate
21 October	Rifle Shooting	Aurangabad	1	InterCollegiate

26 October	Yoga	Aurangabad	2	InterCollegiate
30 Nov 2015	Cricket	Auranagabad	14	InterCollegiate
7 January 2016	Rifle Shooting	Waranasi	1	Interuniversity

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.

Name of Sport	Institution level	Inter-Collegiate	Inter University	Inter-State	National	International
Fencing	Anurag Lohar (Gold Medal)			Anurag Lohar (8th rank)		
Pistol Rifle Shooting			i. Savita Mhaske ii. Rohit Kamble		Mahesh Magar	
Basketball			i. Ruchita Kulkarni ii. Sheetal Verma iii. Veena Rao			
Boxing(13-14)	Abishua Joshua shrisundar (I yr I.T.)	Abishua Joshua shrisundar 2014-15	Prashant Lakhute Abishua Joshua shrisundar	Abishua Joshua shrisundar (I yr I.T.) Solapur (Gold)	Abishua Joshua shrisundar (I yr I.T.) Balewadi pune (Silver)	Abishua Joshua shrisundar (II yr I.T.) Selected for participation in south asian games (Kathmandu, Nepal)
Weight Lifting		Amol Gadekar (II nd yr C.S.)	Rita Godbole			

Lawn Tennis		Shaikh Obed Neeraj Soni 2014-15				
adminton		Boys: Ashish N. Baviskar Sagar Jadhav Kameles h Ranjan Shubha m Wadekar Omakar` Kotheka r Bhushan More Girls: AditiPac hpor MeghaS. Choudan te Sayli P. Kadwad e Jayshri S. Chavhan				
Archery			Baleshwar Prasad			
Shastriyan gayan		Chavla Niraj Mohan				
UpShastriy an gayan		Kulkarni Chandra sekhar Arun				
Sugam Gayan (B)		Kande Jyotiram Dharmar				

		aj				
Chitrakala		Surase Anoj Gopinath				
Colaj/Rangoli		Jade Ankita Anant				
Kawyawachan		Joshi Shradha Sharad				
Speech/Quiz		Desai Amay Sandeep				
Quiz		More Vaibhav Jagannath				
Quiz		Borde Ganesh Sitaram				
Mimicry		Wani Snehil Umakant				
Cricket		Ashish Gawali (C) Ranjeet Chaudhary Rohit Dhasal Amol Gadhekar Karansingh Jonwal Yogesh Deshmukh Dinesh Khakare Shubham Kale Swapnil Makode Ajinkya Sonawane				

		Shrikant Kuhile Deepak Daulanp ure Chandra has Parvat Pratik Khanolk ar Vaibhav Lokhand e Abishua Shrisund er Sangram Deshmu kh Sir(coac h) Amol gaderkar (C) 2014-15				
football		Faisal Khan 2014- 2015 (C)				
Kabaddi		Saurabh Devre 2014-15 (c)				

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?

Our college has a mechanism to seek and use data and feedback from its graduates and from employers by keeping feedback boxes in front of the administrative office.

The feedbacks are analyzed and necessary actions are taken by the Head of the Institution to improve the growth and development of the institution.

- Students Council forms
- Parents feedback
- Orientation and Placement feedback
- Placement coordinators feedback
- Alumni feedback

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 BIT’s magazine which includes curricular activities, social, research articles and latest technology in the field of computer science and information technology. BIT’s magazine gives students a platform to express their opinions, views related to their science subjects and social, political, economics aspects. BIT’s magazine also encourages students with extracurricular activities as poems written by students are also included in this magazine. The student goes through the prospectus for the detail information of the college, infrastructure, and faculty information & courses offered. It even gives the detail information about the fee structure, reservation and rules & regulations for the students. Magazine called “Gavaksha” is published on quarterly basis by MGM’s Bahuviddha.

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

As per the instructions from Director, Students Welfare, Dr.B.A.M.U. , Aurangabad, the students council elections are postponed till 31st August 2016.

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

Student Council 2013-2014

Sr.No	Class	Student Name	Post Allocated	Remark
1	B.Sc.(CS) First year	Miss.Kulkarni Madhura Santosh	CR	
2	B.Sc.(CS)Second year	Miss.Yekhande Arpita Suresh	CR	
3	B.Sc.(CS)Third year	Miss.Sarkate Renu Rajesh	CR	GS
4	B.Sc.(IT) First year	Mr.Dak Akshay Subhash	CR	

5	B.Sc.(IT) Second year	Mr. Marmat Amitkumar Poonamchand	CR	
6	B.Sc.(IT) Third year	Miss.Arsul Radha Rajendra	CR	
7	BCA(Sci.) First year	Miss.Sapkal Monali Ramesh	CR	
8	BCA(Sci) Second year	Mr.Lohar Anurag Bhikanlal	CR	
9	BCA(Sci.) Third year	Miss.Pathak Purva Rajkumar	CR	
10	M.Sc.(CS) First year	Miss.Chawda Megha Mukund	CR	
11	M.Sc(CS) Second year	Miss. Solunke Supriya Suresh	CR	
12	M.Sc.(IT) First year	Miss.Chitravel Anjali Parmeshwaran	CR	
13	M.Sc.(IT) Second year	Miss.Mahajan Rajeshri Sudhakar	CR	
14	B.Sc.(CS)Third year	Miss.Kalse Shimpi Sharad	LR	
15	M.Sc.(IT) Second year	Miss.Dhoke Komal Baburao	LR	
16	B.Sc.CS. Second Year	Miss.Shrivastava Mansi Sanil	CS	
17	B.Sc.(CS)Third year	Mr.Gawali Ashish Kailas	SS	
18	B.Sc.CS. Second Year	Mr.Dhannawat Ketan Kailas	NSS	
19	B.Sc.CS. Second Year	Mr.Jonwal Karansing Kesharsing	NCC	

As per the instructions from Director, Students Welfare, Dr.B.A.M.U. Aurangabad, the student's council elections are postponed till 31st August 2016. Therefore there are no student representatives on academic bodies. But our students work as volunteers in various curricular and extra curricular events in different committees in the college.

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

The Alumni department is in communication with the alumni through phone contacts, What's App group and social networking site. We communicate and collaborate with former faculties through E-Mails and social Networking sites. We also invite them for annual functions and events in the college.

CRITERION VI: GOVERNANCE, LEADERSHIP, AND MANAGEMENT**6.1 Institutional Vision and Leadership**

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

- The institution MGM. Dr. G. Y. Pathrikar College of Computer Science & Information Technology, Aurangabad has created a forte for itself in the last decade. The vision behind the establishment of the institution was an altruistic.

Vision:

To be an academic and research institution in dynamic equilibrium in social, ecological and economical environment striving continuously for excellence in total quality education, research and technological service to the nation.

Mission:

- To create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with due consideration for ethical, and economical issues.
- To understand the culture of Non-violence, truth, peace through Gandhian philosophy.
- To upgrade our students in all respect with the help of latest infrastructure in area of computer and Biosciences.

Institution's distinctive characteristic in terms of addressing the needs of the society is to inculcate the environment for quality and excellence. The institution also tries to create the culture of Non-violence, truth, peace through Gandhian philosophy.

- The institution create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with due consideration for ethical, and economical issues.
- The institution always encourage financially weak students for the education by giving them free ships, relaxation in fees or permit the students to pay the fees in installments.

- College has world-class Education and Infrastructure. Well equipped laboratories which helps the students to work in the big plants .Well stocked libraries accomplished and experienced faculty give the knowledge and soft skills trainings gives the confidence to match the best in the industry.
- Institution provides hostel facilities for both boys and girls. Three hostels are provided for girls students. As the necessity of hostel is high for girl students from rural areas.
- Institute always support the student for higher education and research. As Mahatma Gandhi Mission is in collaboration with seven Universities in Europe for student and teacher exchange program entitled “SWAGATA”.
- Student can apply for the undergraduate, post graduate and higher education in these universities.
- As stated in the mission, institute always tries to inculcate the Gandhian Philosophy in the students through various programs and activities. It celebrates national festivals like 26th January, 15th August, and 2nd October.
- Institution always support and encourage the students for Co curricular activities and Extra Curricular activities like NCC, NSS, sports and games, cultural programs. The students participate in youth festival every year. NSS units at college have been acknowledged as one of the best units under the affiliated university. Our students were also participated in 26th January parade at Delhi.
- Students participate in the University, State, National level competitions and also won the gold and silver medals. College also arranges the inter-collegiate and inter-university level competitions to inculcate the sport environment in the institution.

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

- Mahatma Gandhi Mission’s, Dr. G.Y. Pathrikar has well defined quality policy. College is also having ISO 9001: 2008 Quality Management System Certified. Hence various procedures pertaining to QMS are followed.

- The management members, principal & head of the department always try to maintain the quality through feedback, ERP, Personal Communication, Work diary.
- IQAC also plays an important role in maintaining the quality and future plans. IQAC prepares the academic calendar for the smooth conduction of academics, co-curricular, extra-curricular activities.
- At the local level, college has Governing Council having the members from management, university, industry and the local members. The meeting of Governing committee is conducted twice in a year.
- Though the management plays an important role in making quality policy, other stakeholders have their share in quality making.
- Management regularly takes meetings and discuss with the staff for the future plan regarding institutional improvements, for e.g. Future workshop/conferences, projects and also involvement of staff in arranging the guest lectures of their nearby Institutions. Recently the college is planning for the international conference.
- The Head of the Institution involves those members of teaching and non-teaching who have established their capability of handling a particular job efficiently, for improvement of the effectiveness and efficiency of the Institutional processes.
- Institute supports and encourages them in discharging their duties by giving them appropriate guidance training.

6.1.3 What is the involvement of the leadership in ensuring:

The policy statements and action plans for fulfillment of the stated mission?

- An academic calendar is made by IQAC according to the objective of the policy.
- All the academic, co-curricular & extra-curricular activities of the year are mentioned and planned in academic calendar.
- All guidelines are followed as per the university guidelines.
- Governing council meetings are taken twice in a year for approval of the needs of college like infrastructure, books, and equipments, trainings for the teaching & non teaching staff.

- Guest lectures, workshops, Seminars on advanced subjects are arranged for the faculties & students to inculcate the research environment.
- The activities & group discussions, demos are organized for the students to groom the personality of students.
- It helps them in the placement while interviews in different MNC's.

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

- As stated above the academic calendar is prepared for every year.
- According to the calendar the event is arranged by various committees according to their functions.
- Principal, Head of the department, faculties and students also take the efforts in organizing the events.
- The different committees organize the programs according to their functioning. For e.g. the programs which guide the girl students for their safety are arranged by the internal complaint committee or grievance redressal cell.

Interaction with stakeholders:

- Stakeholders are the main entity of the institution who gives various suggestions regarding the policies & activities through the formal and informal meetings.
- The stakeholders who gives the suggestions are:
- The institution has alumni association which actively participates in the activities of the college.
- Alumni meet is organized once in a year. The suggestions are always welcomed from the alumni's.
- The college has also a parent teacher association & the meeting is taken twice in a year under the chairmanship of the innovative ideas regarding the conduction of the curriculum.
- Members of institution are always in touch with university officials. They are active members which involve in the affiliation process. Different committees come from the university for affiliation of institute and gives suggestions for the functioning of institution.

- Some faculties are the member of syllabus designing, examination. The interaction with university members gives an idea about functioning of college.

Proper support for policy and planning through need analyses, research inputs and consultations with the stakeholders:

- The stakeholders and student feedbacks are taken by the management, principal & HOD's through the formal & informal communication, It gets analyzed by the authorities & the committees who look after the functioning of the particular department.
- The analysis report is discussed with the members of governing committee in meetings and the corrective & preventive actions are taken regarding the issues.
- Many facilities are provided by the institute to the faculties who are doing research. The leaves are granted to the candidates who are doing Pre-PhD course, or for other research courses like M.Phil
 - **Consultancies ****

Reinforcing the culture of excellence & championing organizational change:

- SWOS analysis is carried out by the institution for all the employees.
- The feedback received from the stakeholders & students are analyzed by the authorities and the action is taken by the authorities.
- Institute organizes 2nd October (Mahatma Gandhi Jayanti), 15th August (Independence Day), 26th January (Republic Day), and also participates in 20th December (Foundation Day of MGM) program.

Championing organizational changes:

- Following are the aspect and issues in achievement in championing Organizational change
- Promoting the students for E-learning.
- Conducting the courses of NPTEL, IIT, and IISRO for students and faculties.
- Arranging various activities to inculcate Gandhian Philosophy.
- Effective teaching learning through smart classroom.
- Arranging the industrial visit once in a year.
- Arranging guest lectures, seminar, and workshops at institute level.

- Conduction of faculty development programs.

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 institute has its own ERP software through that the management and administrative members can be able to see the attendance regularly.
- Staff also maintain the course dairy in which the date wise syllabus is maintained subject wise
- Management/ Department head ensures adequate information to review the activities of the institution by taking feedback from the students and faculties. The feedbacks are analyzed and reported to the management.
- College collects the feedback regularly from Students, Teaching and Non-teaching Staff in the particular suggestions box which are fixed at the college administrative building.
- College conducts the Parents Meetings and alumni meets, and collects their feedbacks. The suggestions given by the parents are welcomed for the better future of the students.
- Parents are given the feedback forms in the meeting and reviewed by Principal. Head of the Institution sends monthly report to the Management. Principal keep personal communication regularly with staff and student.

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

- Management and Head of the institution defines the responsibilities in specific format of the specific task and communicated it to the staff by addressing the meeting of all the teaching and non-teaching staff at the beginning of the academic year.
- All the responsibilities are distributed by the Principal by forming various committees and appointing In charge with respect to curriculum Viz. Academic In-charge who manages all the academic activities like preparation of time table, allocation of subjects, faculty work load. For details of committees formed refer 6.2.3

- These Committees are controlled by the Principal by taking meeting of all In charge once in a two months to know the activities of all the committees in various fields.
- University circulars are distributed to the particular department Heads and then Head circulate it to the staff.
- The responsibility of each laboratory is given to one of the teaching staff as a lab In-charge. The lab is managed maintained by that faculty.

6.1.6 How does the college groom leadership at various levels?

- Institute promotes the faculties and students for publishing the paper in the national, international journals, Conferences.
- Institute encourages the students for academic competitions.
- College sends students for Youth festivals, National Level debate Competitions.
- College tries to develop student's stage courage through giving them chance of anchoring and management of various activities in Annual functions, Fresher Welcome and in various other extracurricular and co curricular activities.
- The institute organizes various programs for faculties and non teaching staff like Faculty Development Program (FDP), Language Enrichment programs. Continuous reading activity also organized for all faculties.

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?

- Principal is the head of the institution. College has three departments like Computer Science, Information Technology and Computer application. Principal pass the circular to the HOD's and then the HOD's passes it to the faculty members.
- For the smooth and effective functioning of college, different committees are formed in the college and the committee members keep an eye on the functioning of the particular activity.
- All the activities are monitored by the Principal of the college by keeping touch with the respective In charge of the committees (Refer 6.2.3)

- In admission process, different committees are formed as below.
- a) Enquiry Committee
- b) Form verification Committee
- c) Document verification Committee
- PG and UG courses admission are divided in different heads from the staff.
- The Heads of the Departments has given the authority to develop their section, so the HODs have the freedom to improve quality of their sections.
- The Non teaching staff under the stewardship of the office superintendent assists the Principal.
- Different Committees help the administration in its smooth functioning.
- By collaborating the institute with other international universities and institute like University of Maryland USA, University of Pennsylvania, Bio-ERA Pvt. Ltd. Renuka Mata Pratishtan, (NGO).
- List of committees given below.
- The MGM Naturopathy Center, MGM Khadi center, MGM Sports Club gives discounts and various offers for all faculties of MGM.

Sr. No.	Name of Committees	Members of Committee
1	College Planning and Development Committee	Dr.P.D.Deshmukh
		Mr.Azade S.Y.
		Mr Sankaye S.R.
	a. Maintenance Committee	Mr.Pundage Ajitkumar
	b. Recruitment Committee	Mr.Jadhav P.J.
	c. Expenditure Committee	Mr Kadam T.D
	d. Purchase Committee	Mr.Taur
	e. Parent Teacher Association	Ms.Sonal Satonkar
2	Extra Curricular Activity and Extension Committee	
	a. Cultural Committee	Ms.Patodkar N.S.
		Ms. Dhawale Apurva

	b. NSS Committee	Mr.Komte R.S.
	c. Sports Committee	Dr. Seema Sabnis
	d. NCC Committee	Pundage Ajitkumar
	e. Life long learning	Mr. Pundge Ajitkumar
	f. Youth Festival	Mr. Kale V.K.
3	Anti ragging Committee	Mr. Sankaye S.R.
		Mr. Jadhav P.J.
		Mr. Azade S.Y.
		Ms. Telgad R.L.
		Mr. Pundage Ajitkumar
		Mr.Gore
		Mr. Suradkar Somnath
4	Admission Committee	Mr. Jadhav P.J.
		Mr. Azade S.Y.
		Mr.Sankaye S.R.
		Mr Kadam T.D
		Mr.Taur
5	Publication Committee	Ms.Satonkar S.V.
	a. Magazine Committee	Mr.Gore
	b. Prospectus Committee	Ms. Deepali Sawane
	c. Gawaksh	Ms.Apurva Dhawale
	d. Research Magazine Committee	Mr. Bhalerao Ashish
		Mr.Taur
6	Examination Committee	
	a. Theory Examination Committee	Mr.Azade S.Y.
		Mr.Bhalerao A.A.
		Mr.Kale V.K.
	b. Practical Examination Committee	Mr. Sankaye S.R.
	b. Internal Examination Committee	Ms.Satonkar S.V.

		Mr. Sangle Ashok
7	Research Committee	Ms. Rita Patil
		Mr.Ashish Bhalerao
		Dr.M.M.Kazi
		Mr. Udmale Nilesh
8	Internal Complaint Committee	Dr.P.D.Deshmukh
		Ms.Pramodini Punde
		Ms.Nirupama Patodkar
		Dr.Swati Shiradkar
		Dr.Aparna Kakkad
		Mr.Ashish Bhalerao
		Ms. Prerana Dalvi
		Mr.P. J. Jadhav
		Adv. R.P.Mane
9	IQAC Cell	Dr.P.D.Deshmukh
		Mr.Bharat Naiknaware
		Ms. Punde Pramodini
		Mr.Komte R.S.
		Ms.Telgad R.L.
		Mr.Bijamwar Prashant
		Mr.Jadhav P.J.
10	Library Advisory Committee	Dr.P.D.Deshmukh
		Mr.Sankaye S.R.
		Ms.Kumbhakarna V.M.
		Mr.Sapkal V.B.
		Mr.Swaraj Mehunkar
11	Training, Placement & Alumini Committee	Ms. Pooja Vaidya
	a. Training	Mr. Bharat Naiknaware
	c. Placement	Mr. Upadhye Nitin
	d. Alumini	Ms. Dhawale Apurva

		Ms. Swapna Kadam
12	Grievance Redresser	Ms. Rita Patil
		Mr. Kale V.K.

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

- The college has a culture of participative management. The Principal and Head of the Departments distribute the academic and administrative responsibilities among the staff. There is always a good communication and coordination between the management and principal. The principal is the administrative head of the college.
- A four-tier system consisting of governing council, administrative council, academic council and Student Council always try to enhance the quality of teaching and learning.
- In the first level management always keep the communication between the principal & HOD’s and passes the resolutions in Governing Council meeting which are beneficial for growth of institute and students.
- In the second level, local committee which consist of HOD’s, senior members of teaching and non-teaching under the chairmanship of the Principal.
- Third level is very important which is the Student Council, which actively organizes all the activities with the help of staff.
- The college encourages students to participate in debate competitions, Cultural activities, Sports at Institutional, State and National level.

6.2 Strategy Development and Development

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

Yes, the quality policy of institution states that the college is committed to promoting high standards of excellence in teaching-learning, research, sports, cultural activities and management, other Co-curricular and Extracurricular activities. College always tries to inculcate the culture of non violence, truth, peace through Gandhian philosophy.

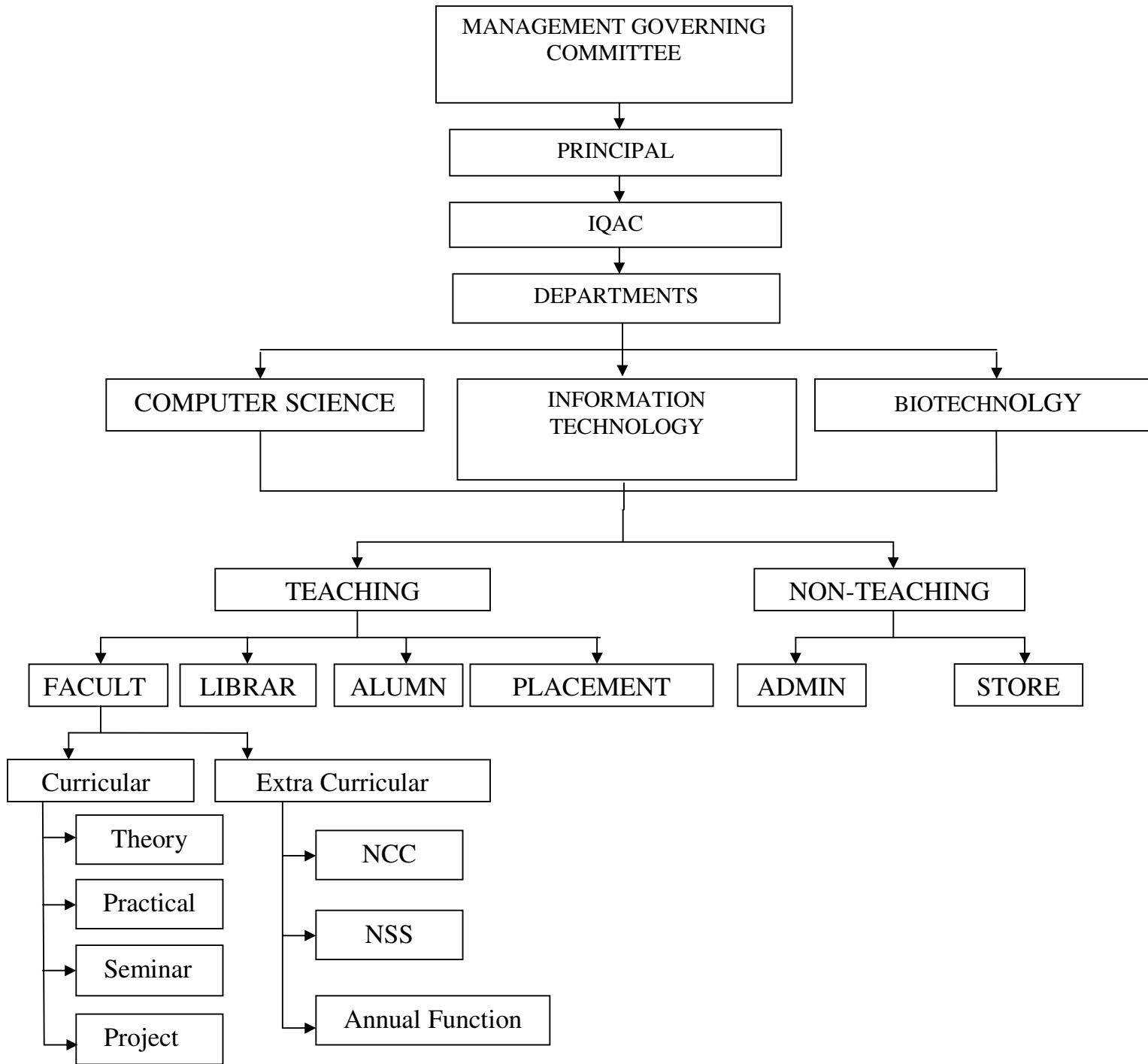
Different committees participate in reviews and planning according to policy.

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

Our department is taking feedback from all levels i.e. students, teachers and administrative staff. D The following constituencies are involved in the process of planning and development.

1. Staff council recommends areas/ideas for planning academic activities.
2. College Planning and Development Council (CPDC) - for planning of all activities pertaining to functionality of Institution.
3. Secretary of Institution –for future development of Institution.
4. The Principal of the College for smooth running .Under her guidance we are planning for research project and for such activities we are arranging meetings of students, staff and administration.

6.2.3 Describe the internal organizational structure and decision making processes.



Management Governing Committee:

The Management Governing committee is the topmost level which provides all the authentications, policies and programs of the institutions and they are finalized by the same management committee. This committee gives following responsibility towards the institute:

- a) The vision and mission of the institute is constituted through various activities of its constituents.
- b) Quality policy of the institute
- c) Recruitment of all staff members
- d) Development of Physical infrastructure
- e) Monitoring the progress of institute
- f) Maintaining the stakeholders for improvements in quality of education and infrastructure
- g) Future advancements for institute development

Principal: The Principal is a key part of administrative supervision of the institute and the provision of full information to the Management Governing Committee on all issues pertaining to the College is also done by the principal. The responsibilities include:

- a) Shaping a vision of academic success for all students of the institute
- b) provision of educational leadership, planning, implementation and monitoring of the academic curricular and co-curricular programs
- c) The Social, Academic and personal development of the students
- d) The planning of proposals for expenditure, Infrastructure building, staff welfare, student progression, Financial planning, new evolving trends in education, development issues etc.

IQAC: The National Assessment & Accreditation Council helps in maintaining the momentum of quality consciousness in college. And the IQAC is constituted as per the directions given by NAAC.

- a) IQAC generates good practices, Consistent administrative performance, Continuous growth of students in all aspects, Faculty development etc.
- b) For effective organizational activities IQAC helps to bring out curricular & co curricular events

The Alumni Association: The Alumni Association is actively contributing in enhancing the student perspective for the personality development, Campus drives, to face the real time problems in the area of IT, many different fields are also cultured for the flourishing growth of students, & this result in better functioning of the institute with all its expertise.

Administration: It includes the aspects pertaining to the students and staff. It works well with the Quality assurance, data management or in a specialist department such as finance, careers, marketing or human resources, store keeping.

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

Teaching and learning:

The college has well equipped laboratories & ICT classrooms, though the college has ICT class rooms, some classrooms have a traditional teaching method i.e. board & marker. The faculty uses both the methods as per the requirement of the subject & convenience of the student. Institute also organizes Guest lectures, Expert talks on the new upcoming areas in the computer science field.

Student Monitoring System:

Teaching learning method is the most effective method to establish the communication between teacher and student. Based on this the college has started an activity called “Student- Ward” activity. In this activity, a batch of student is allocated to each teacher and that teacher has to keep all the information of students and keep in contact with the students.

Extension of language laboratory:

The institution has centralized Foreign Language Department. Theory classes are conducted in the college campus only. The practical batches attend the laboratory exercises in the language department.

Books and Sports, Wi-Fi Facility:

College has well equipped library which is having subscribed journals, e-books etc. the library is partially automated. The new syllabus is introduced by the University.

Research & Development: The institute encourages all faculties to work on research projects & pursue their doctoral studies. The Research oriented workshops or seminars are also organized by the institute for the faculties and students. It also helps the faculties to have research friendly ambience to work in.

Community Engagement: College constantly feels and remains committed for social responsibilities. Besides the contribution by NSS units at college in socially oriented programmes, college does organize myriad events and programmes contributing to social cause. It works in line with the vision and mission of college that adheres to transforming social change through education. College organizes various programmes in this regard on gender sensitization.

Human Resource Management:

College consciously attempts to take up different programmes to develop human resources available on the campus. Organization of different training and orientation programmes is done in order to develop the skill of staff and students. Variety of programmes is organized on the issues like soft skill development, entrepreneurship development, research attitude, stress management, yog shibir, motivational talk, etc. Teachers also select the topic of their presentation in various seminar and conferences.

Industry Interaction:

Study tours to visit industrial areas and prominent projects are a regular feature of teaching activity. College is a part of Tie-Up between the University and INFOSYS, Bangalore. Through this programme, three teachers of the college have been trained to prepare students for similar industries like that of INFOSYS. It resulted into increasing the campus placement of college for INFOSYS and other companies as well.

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?

- Management/ Department head ensures adequate information to review the activities of the institution by taking feedback from the students and faculties. The feedbacks are analyzed and reported to the management.
- College collects the feedback regularly from Students, Teaching and Non-teaching Staff in the particular suggestions box which are fixed at the college administrative building.
- College conducts the Parents Meetings and alumni meets, and collects their feedbacks. The suggestions given by the parents are welcomed for the better future of the students.
- Parents are given the feedback forms in the meeting and reviewed by Principal. Head of the Institution sends monthly report to the Management every month. Principal keep personal communication regularly.

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

- Management is regularly taking meetings and discuss with the staff for the future plan regarding institutional improvements, for eg. Future workshop, projects, conference and also involve to staff in arranging the guest lectures of their nearby Institutions.
- The Head of the Institution involves those members of teaching and non-teaching who have established their capability of handling a particular job efficiently, for improvement of the effectiveness and efficiency of the Institutional processes.
- Institute supports and encourages them in discharging their duties by giving them appropriate guidance training.
- Institute also encourages the staff by sending them for different courses conducted by UGC / University.
- It also arranges the training program of techniques and instrumentation and also training programs of soft skills and languages.

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

Following are the resolutions made by the Management Council in the last year

Resolutions	Status of Implementation
Conduction of Conferences / workshops	Implemented
Providing new infrastructure for Girls Room, Wash Rooms etc.	Implemented
Research Proposals	Implemented
Requirement of sports equipment	Implemented

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?

No. No such steps for autonomy is taken by the institution.

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

- Yes, Internal Complaint Committee is provided for all the staff members and students (Both male & Female) for the complaint if any. Committee has the members as one member of NGO/a person having long association with women activities, a person with legal knowledge, senior faculties and the chairman is the principal of the college.
- List of committee members is displayed on the board at the entrance of college.
- The sexual harassment complaints are resolved immediately by the committee members and authorities.
- Yes, The Institution has provided a Grievance Redress Cell also for its employees to resolve their grievances relating to their profession or any other.
- No serious case has been reported so far.

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 such instance of court had been filed against the institute during last five years.

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

The institution takes the feedback of the students by two ways. In the first method, printed Questioner is provided to the students and then student filled up the forms. After the collection of the form they get analyzed by the HODs, Principal and Management members. In the second method, College has ERP software. There is facility of feedback in ERP then the software analyzes it and creates a report based on feedback. The required steps and corrective actions are immediately taken by the management and Principal.

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?

Some steps are taken by the management and institution head to enhance the professional development of teaching and nonteaching staff.

- Internal audit and feedback of faculty and administrative staff.
- ISO audit for Quality Assurance and Quality Management.
- Student's feedback on teaching and other administrative bodies.
- The Institution helps the faculty in obtaining permission for doing part-time research in the Universities.
- Encourages them to apply for minor and major research projects.
- Institute encourages the faculties for the National and International Paper Presentations. It also permits the faculties for attending the Seminar of expertise Persons and doing the advance courses.
- In addition to feedback mechanism, self appraisal method of the faculty is adopted for assessment.

- Examination results also help in knowing their performance. By following these practices the Institution enriches its quality of teaching.

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 Institution encourages the faculty members for participating in seminars, workshops, training programs by giving financial support to the staff, Orientation and Refresher Courses are organized to update their knowledge and teaching skills. Institute also encourages staff to do research.
- Institute Head keeps in contact with the students and takes the feedback about the teachers. If the unsatisfactory feedback recurred from the students for particular faculty, then Institute conducts Faculty Development Program at the beginning of the Year. In this Program, faculties undergo through the Micro teaching along with expert advice. These programs are also helpful for new faculties.
- The Institution recognizes the needs of faculty development whenever changes are made in the syllabus. To make them familiar with the new trends and techniques the faculty members are encouraged to attend training programmers conducted by the University Grant Commission and the University, or any other relevant institution.
- Redesign the college website to make it more users friendly.

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 Institution has feedback system, which analyses the feedbacks given from students about faculties regularly.
- These feedbacks are analyzed by the committee and principal communicates the teacher's performance to them and always encourage them for strengthening their positive points.
- At the end of each academic year, the self appraisal form is filled by all faculty members which are forwarded to principal.

- The institute analyses these forms based on many aspects like: Teaching, learning, contribution in Research, Professional development programs, Co-curricular.

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 faculty members fill the self appraisal form at the end of each year and their performance is communicated directly to principal. The principal puts these reports further to management.
- Based on the analysis of these reports principal always encourage the faculty members for better performance, which results in faculty development, improved students results, and effective teaching and learning process.
- The short term certificate courses are also started by the institute and the syllabus is also designed and obeyed by the faculties for better improvement of students.
- The institute has well equipped labs with internet facility.
- The academic data from staff is collected through specially designed & developed software.

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 Head of the Institution takes initiative in organizing informal get-togethers to pump up their moral or to find out suggestive remedies for their academic or any other problems.
- To develop the team spirit and healthy competition among students and staff, games and sports competitions are held on National festivals for the staff as well.

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

- The institute advertises the vacancies in newspapers.
- Regular employees are recruited by the Secretary in consultation with the Institute.
- Institute releases advertisement in leading news papers regarding available vacancies. A personal interview and demo lecture is conducted in front of selection committee.
- By providing the advance facilities to staff and increment in their salaries, institute retaining faculties. Allow staff to implement their research ideas in institutional laboratories after completion of their work.
- The institute has a very good ambience and work culture with supportive teaching and non teaching staff which helps to retain the eminent faculties.

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?

- College has established various committees for the smooth functioning. Purchase and expenditure committee monitors the effective use of available resources. Regular budgeting and auditing is a regular system of the college & communicated to principal regularly.
- The requirements from all departments are invited first. Account section of the college prepares yearly budget as per the requirement of the departments.
- The Governing committee approves it.

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.

- Internal audits are done by the chief accountant, Principal and management members time to time.

- External audit is done by the CA twice in a year. The last audit date is 22nd September 2016. No major objections were found in the last 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.

- Institute is self funded. Institute gets the revenue through student’s fees and by support of management. Audited income and expenditure statement of academic and administrative activities of previous five years is given:

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

- College get an additional funding by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad under the following heads

1. N.S.S.

Academic Year	Regular activity/Special camp	Number of Students Enrolled	Amount Received from University	Amount Added by College	Total Amount
2013-2014	Regular activity	100	11,000	16,757	27,757/-
	Special camp	100	11,250	10,472	21,722/-
2014-2015	Regular activity	100	11,000	13,196	24,196/-
	Special camp	100	11,250	17,502	28,752/-
2015-2016	Regular activity	100	8,140	10,065	18,205/-
	Special camp	100	8,325	32,828	41,153/-
2016-2017	Regular activity	100	nil	22,805	22,805/-
	Special camp	100	nil	43,095	43,095/-

2. Earn & Learn

Academic Year	Number of Students	Amount Received from	Amount Added by College	Enrolled Students	Total Amount

	Enrolled	University				
				M	F	
2012-2013	12	7,500	7,500	10	02	15,000/-
2013-2014	18	7,500	7,500	09	09	15,000/-
2014-2015	04	3,000	3,000	02	02	6,000 /-
2015-2016	04	5,000	5,000	02	02	10,000 /-
2016-2017	10	8,300	8,300	05	05	16,600 /-

3. Life Long Learning

Sr. No	Year	Grant Amount	Activity
1	2012-2013	15,000/-	College level Activity: <ul style="list-style-type: none"> • Participation in International Literacy day. • Various Lecture Social Awareness like Save Girls, Water program was Organized to Lifelong Learning Student • Organized Workshop on Student career
2	2013-2014	15,000/-	College level Activity: <ul style="list-style-type: none"> • Participation in International Literacy day. • Various Lecture and Camps was Organized to Lifelong Learning Student • Organized two days' Workshop on Student career
3	2014-2015	15,000/-	Grant Not Utilize.
4	2015-2016	15,000/-	College level Activity: <ul style="list-style-type: none"> • Participation in International Literacy day. • Various Lecture and Camps was Organized to Lifelong Learning Student • Organized Two days' Workshop on Student career
5	2016-2017	20,000/-	College Level Activity: <ul style="list-style-type: none"> • Participation in International Literacy day. • Student Participate in Various Essay Writing competition and Debate Completion Organized By Department of Lifelong learning and Extension Activity, Dr. BAMU. • Various Lecture was Organized to Lifelong Learning Student • Organized two days' Workshop on Student career Community level: <ul style="list-style-type: none"> • Two Days Camp Organized by College in Ghandheli village in Aurangabad District for Computer Literacy.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a) has the institution established an Internal Quality Assurance Cell (IQAC)?

If ‘yes’, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

- IQAC plays vital role in connecting and coordinating the various bodies in the institute.
- IQAC is established in October 2012 for quality assurance within the existing academic and administrative system.
- IQAC helps the institute to improve the quality in academic and administrative system by guiding through academic calendar and strictly following it.
- College improves the quality by adopting feedback mechanism.
- The institute provides trainings and faculty development programs, and also motivates the students to take part in competitions and conferences.
- The internal exams, unit tests, prelim examination based on university pattern and tutorials are also assigned to students for improving student performance.
- We also have various activities like seminars, educational tours, industrial visits, workshops, study projects, feedback mechanism to improve the performance.

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

Suggestions	Action Taken
Steps may be taken to attract well qualified and experienced teaching staff	Implemented
The two departments of the college may be located in common premises for efficient functioning	Implemented
Library in both the departments need to be augmented with additional titles	Implemented
Library and administrative services need to be	Implemented

computerized	
Alumni Association may be strengthen and involved in college development	Implemented
Appropriate staff room facilities for faculty may be provided	Implemented
Ladies common room facilities may be improved	Implemented
Orientation programs may be organized for staff development	Implemented
Faculty involved research/extension activities may given additional incentives	Implemented
Use of ICT in teaching may be augmented	Implemented

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

No external committee members are on this committee.

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

- The institute follows feedback mechanism of students as well as alumni's.
- The establishment of student council is done and the class representatives play very effective role in it.
- The student actively gives feedback about teaching and learning processes, so that the IQAC can improve the system.
- The Alumni's are working in the best capacities across the world. They always show passion and dedication for the institute.
- The Alumni's association is formed, & Alumni meet is conducted once in every year and the feedback of them is considered for the improvement.
- These feedbacks are analyzed and the necessary actions are taken. The Alumni's always support for the placement of students.

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

- The IQAC supports and motivates all staff members to participate in paper presentations, competitions, workshops and conferences as well as in sports, NSS and RD camp.
- The staff always assists the departmental activities and programs to be successful.

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 institution has an integrated framework for quality assurance of the academic and administrative activities.
- ISO 9001: 2008: Regular audit by ISO checks for regularities in quality issues on academic and administrative level. It ensures the control on the quality and services.
- Online accumulation of the academic data: The institution has systematic way of accumulating academic data of all staff. It helps to enhance the quality of system and maintain it. The ERP software maintains all the academics data of students and staff.
- This integrated framework is used in the admission process of students, brochures, examinations, and result.
- SWOT analysis

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

- The institute provides training to all staff members for faculty development, ERP module handling.
- NAAC Officials are called for effective implementation of this system.
- The faculty undergoes training and orientation programs organized by university.
- The time and stress management programs are also organized for all staff members.
- For all members, the Yoga training is also conducted by the institute.

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?

- Yes, the institute undertake academic audit time to time.
- We have various committees constituted with the teaching staff members who undergo the verification of stocks of different items held at the end of every year.
- Every teacher has the academic diary to maintain records of activities of students and academics. This diary is examined by head of the institute.
- The external audit is done for ISO9001:2008, Finance and EMS 14001:2004 to achieve the improved performance of IQAC. The respective committees submit their reports to the head of the institution for these audits.
- Teachers' appraisal is also monitored time to time.
- The institute has ERP software which monitors all the academic system.
- The institute promotes the basic research and scientific research in all faculties and students.

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

- The IQAC keeps track of all academic and administrative monitoring of the system. It helps to maintain the data regarding the meetings of management, teaching staff, non teaching staff, and library. The ISO, UGC, EMS & NAAC are external quality agencies that are aligned with the internal quality assurance mechanism.
- Frequency of ISO9001:2008 audit is twice in a year.
- We are undergoing academic audit which is done by the university authorities.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

- The Parent teacher association is formed and the meeting is also held once in every year. So the parents get brief idea about their child's performance and attendance.
- The attendance of students is taken regularly and the record is maintained in the diary which is monitored by the head of the institution.
- The exams are taken and the tutorials are given to improve the performance of student.
- Academic calendar is prepared at the starting of each year and it is strictly followed by the faculties and students.
- The work diary is given to each teaching staff member and it contains all the details of student attendance, practical record book submission, tutorials submissions, calendar, and faculty time table.

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

- The Parent teacher association and alumni association are major stakeholders. They are communicated through the quality policies, and the staff is informed with the meetings kept.
- The teaching and non-teaching staff in communicated with notices, website, & meetings.
- The college website is also a very effective medium which is used frequently by the external stakeholders & it provides all necessary information of the institute.
- Feedbacks are taken from the parents and alumni to incorporate their suggestions to improve the outcomes.
- When any visitor visits the institute they are given a card, and while enrolling a new student, the prospectus is given to them which contains the quality policies, vision and mission of the college.
- The college publishes yearly magazine "BITS" which also contains the quality policies, vision, mission and activities throughout the year. It is given to all students.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

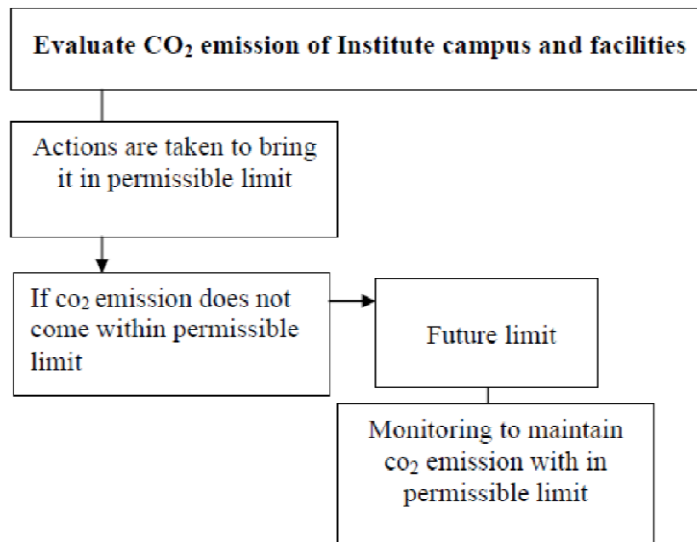
Yes, MGM Dr. G.Y. Pathrikar College of Computer Science and Information Technology Aurangabad College conducts Green Audit at the levels of Energy conservation, water conservation, waste management, Greenery and Pollution control. Also we are conducted Maintenance audit and Surveillance audit under that College is ISO EMS 14001:2004 Certified here lots of efforts are taken as per Green audit to make the campus environment ecofriendly.

Classrooms, laboratories, library, reading halls, offices, departments, hostels rooms and washrooms have sufficient ventilation and sunlight, which result in minimum use of electrical equipment like fans and lights.

College campus is plastic and tobacco free and the campus and its surrounding area is declared as Silence Zone.

We keep monitor and measure CO₂ emission. For the same we have established procedure to do green audit as given in the standards.

1) Procedure for performance of Green audit:



2) Tree plantation:

Every year we plant many trees in Institute premises and Gandhli campus on special occasions such as foundation day of Mahatma Gandhi Mission Trust, Birthday of our MGM Trust secretary Hon. Ankushraoji Kadam and others Through NSS camps tree plantation and tree saving movement encouraged.

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

Energy conservation

The college has a big number of electronic and electrical equipment such as computers, LCD projectors, CFLs, etc. For efficient use of electricity, various means like notices, oral instructions and awareness programmes are used so that the importance of conservation of energy would be inculcated among students and employees. The college makes use of energy-efficient Compact Fluorescent Lamps (CFL). Tube lights are being replaced by CFL and the number of them has reached **135** while the number of tube lights is **5**. Besides it, the college has 79 solar panels for water heating at Girls and Boys hostels.

The campus street lights were replaced by CFL and LED lights to conserve energy.

Most of the classrooms are so airy and well ventilated that they hardly need any artificial lighting which helps a lot in conservation of electricity

Energy efficient star marked devices are used [separate list available]

***Use of renewable energy**

In MGM Campus Solar panels were installed in Girls as well as in Boys hostel.

Sr.No	Hostel	Solar Panels	Capacity	Manufactured Company
1	Girls Hostel	59	500 LTD	Bosch Solar Services and TATA
2	Boys Hostel	20	500 LTD	Bosch Solar Services and TATA

- Water recycling unit: A water recycling unit has been installed in MGM Campus.
- Recycled water used for Sports complex grounds, Lawns, Gardens and Flush in MGM Campus

***Water harvesting**

Rain Water Harvesting Project: The area in which Aurangabad is situated suffers from drought conditions frequently. As this region comes under shadow zone, it faces the

problems of low rainfall. Its average rainfall is only 720 mm. The frequent conditions of scarcity of water compels for best management of available water. As a result, Rain Water Harvesting and water recycling unit is established in the campus. The capacity of water recycling unit is 2 Lakh Liters per day.

We adopt Roof water harvesting in particular building is carried out. Roof water is collected in horizontal pipes & all the pipes are connected to a large pipe (10 inch) that carries to water processing unit in MGM Campus.

The main objective of this system is to store and to recycle the rain water.

Secondly, to avoid sudden flow towards the drainage system.

Thirdly, to reduce burden on water supply and finally, this water can be used for garden, lawns and other purposes.

***Check dam construction**

Every year NSS 7 day's residential camp is organized at adopted village. Every year the NSS volunteers check the constructed dam at the village river for storage of water and start re-maintain it.

NSS Students creating awareness about Environmental eco-friendly culture.

***Efforts for Carbon neutrality**

The college campus is plastic-polythene free zone, which makes the campus eco-friendly.

The dead leaves and the waste papers are not allowed to be put on fire. The leaves are buried in the soil itself and the papers are disposed off. This helps in creating awareness about environmental issues. Also we have replaced chock dust board to the marker board to avoid the pollution and make the class room eco-friendly.

Institute has planted many trees in the premises.

The Institute has established a "Green Earth club" to make environmental awareness among the student and society.

The Institute has taken an initiative step like "No vehicle Day". Smoking is strictly prohibited in the Institute premises.

Exhaust fans are fitted in all laboratories which help in removal of gases and fumes.

To curtail carbon dioxide emission Institute is regularly doing maintenance of AC and Fridge

***Plantation**

NSS volunteers and students are encouraged and motivated for plant sapling in the college as well as we are celebrating every year on 15th June “**VARASHAMANGAL**” Day for new plantation at the selected places outside the campus as well inside the campus, our campus taking care of plants each and every day to keep the environment clean and eco friendly.

The college has sufficient number of tree having various types and small lawns around the buildings as well as both sides of pathways. For that lawn and Garden the recycled water has been utilized so, ultimately it save the wastage of water & energy consumption with eco friendly environment.

***Hazardous waste management**

There are no possibilities of creation of hazardous chemicals and waste in laboratory for offered courses.

Institute has ISO-14001:2004 EMS certified under the same Environmental policy has design which is applicable to manage hazardous biodegradable waste. Segregation of wastes is done according to its hazardous level like wet, dry and bio-degradable.

The Institute has instructed to students and staff members to minimize the use of plastic bags within the premises.

The Institute made a contract with Municipal Corporation of Aurangabad through MGM hospital, where Institute forwards the waste.

Initiative to Clay Making Idols in view to save natural Environment

In Maharashtra Ganesh Festival celebrated with great favor, for that, they use Plaster of Paris material to make idols, however it is harmful to environment. So, to avoid these idol making practices from POP material, we spread awareness for using Clay for making Idols which are eco friendly, so, for that workshop related activities arranged to Create Idol from Clay which is beneficial to student and society too. Students from MGM Campus have been participating in this green initiative in large number. Devotees are requested to immerse the idols in the tanks provided by the Municipal Corporation. All are impressed its ease degradation of idol at the end of festival.

Celebrating Gandhi Jayanti for Ecofriendly Environment:

Gandhi has been an inspiration for several environmental movements and for building alternative ecofriendly sustainable development models.

***e-wastemanagement**

Computers and peripherals are sorted and the old suitable systems are kept for reutilization as concern in hardware related training for students. To recycle UPS batteries care are taken on significant basis.

The quantity of the e-Waste is negligible.

Institute has also contacted E-waste management firms like “High-tech recycling pvt.ltd” and “ojas Pvt. Ltd” of Pune for E-waste Management.

All the Non-functioning hardware equipments of computer is sent to maintenance department for repair

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.**

- Developing a balanced and scientific learning attitude has been one of the basic purposes of education. Research happens to be one of the systematic ways of gaining and sharing knowledge worldwide. Proper training for teachers and students will help in their Research talent and develop a spirit of scientific learning.
- Consistent and conscious efforts are undertaken to inculcate the spirit of scientific learning that would lead to innovations.

Some of the goals for the practice have been:

- (a) To encourage students and teachers to undertake research.
- (b) To communicate research findings through publications and presentations.

Following efforts were under taken for strengthening research activity.

The Research Coordination Committee (RCC):

- The RCC plays a key role in encouraging research by providing infrastructure and administrative support.
- National & International conference exposure is provided to students.

(b) Avishkar Cell: College establishes Avishkar Cell at College Level Expert guidance from the Students as well as teachers has participated in Research competitions.

- Teachers and Students involvement in research has significantly increased.

- Participation of students / teachers in national/international conferences has increased. Some of the papers presented have been awarded as “Best Paper Presentation”.
- 01 student and 05 teachers have won research awards at state level competition in ‘**Avishkar Research**’ Competition.
- 03 students and 01 teacher have won research awards at District level competition in ‘**Avishkar Research**’ Competition.
- M. Sc. Bioinformatics students publishes research papers in national, international journal and conferences proceedings
- Workshops/conferences/ are arranged by the students
- Industrial person meets/ industrial visits organized by institute
- In view of teaching and learning aspect the importance are given to ICT related teaching methods such as flipped classroom, video conferencing lectures and online video lectures are being immersed in teaching method practices.
- For teaching and learning system and its management and planning related purposes the college introduced college ERP software.
- Stress management techniques are used to free and healthy atmosphere in college by conducting yoga and awareness session.
- One notice board is reserved for information about staff leave, its reliever and for daily thought with one hard word written with meaning which helps students to develop better communication skill.
- Placement related news and information other than college is displayed on placement notice board on regular basis which beneficial to students and staff.
- In infrastructure point of view College Introduced Wi-Fi Internet connectivity.
- Various types of stationary and work related material require frequently which will be fulfilled within time by store department by filling requirement issue slip which helps to avoid delay in work.
- To rectify building related immersing issues such as construction, electrical, plumbing problem and etc., our organization deputed separate ‘Construction and Maintenance Department’ those helps us immediately with great efforts.
- College Campus is in network CCTV monitoring facility.

- College provides various types of news papers & magazines to increase the General knowledge of stakeholder.
- In examination system of University our
- staffs are engaged in committee of syllabus designing and paper setting to give various ideas on recent trends to create awareness for adoption of modern educations.

➤ **College assessment by College Assessment System:**

- College implemented College Assessment System through Online in that different modules such as Students Module, Online Attendance, Internal Assessment, Time Table, Result Analysis, SMS and E-mail Module, Employee Portal, Online Students Feedback, Academic Monitoring, Digital wallet, Online Leaves for students and staff for positive and smooth functioning of the college.
- The college has introduced several innovations to create a positive impact on the functioning of academics, administration and other levels of the college operations.

➤ **Feedback Mechanism:**

- Student's feedback about teachers and the teaching learning process is obtained from the students at the end of every academic year. This improves the teaching quality of teacher. Suggestion boxes are also made available in entrance and library for getting students feedback.
- We are taking feedback of teachers from students through (ERPCAS Software) College Assessment System Software.

➤ **Computerization of Administrative Block:**

- The college has subscribed Tally ERP 9.0 which enables faster account, administrative and admission procedure. The college and management use electronic mail and Instant massaging software's for urgent correspondence.
- The college administrative block has been automated. The administrative staff has been given formal training to understand the technology pertaining to working on the technology.

- Workshops, Seminars and Training are organized for administrative staff to update themselves regarding the automation of the administrative activities.
- **Atomization of Library:**
- The college Library is computerized with its functional Library Software. All library operations are being too automated.
- Issue / return of books, attendance in reading hall, bar-coding and Identity card reader operations are conducted using “**Libsoft**” software.
- There is separate block in the Library for the staff and students to access internet facility.
- Right now the Library is utilized as the main supporting service to augment the learning of students. As the Library is recently computerized the students and also the staff shall be encouraged to avail the benefit of all kinds of main and additional study material and reference material by visiting all possible sites where such one is available. A separate departmental library available for bioscience. Well ventilated classrooms and computer labs are available. Proper sitting arrangement is provided. Use of projector, video technique is provided.
- **Computerization of Academic Results:**
- College has ‘CAS-ERP’ software for smooth and faster examination work. Training programs are arranged for examination committee members to update them for the use of the same technology.
- **Zero-Balance Accounts:**
- Zero balance bank account facility is made available to the staff and students in IDBI Bank / Standard Urban Cooperative Bank Private Ltd. Aurangabad. This has helped the staff in many ways.
- **Academic Innovations:**

- Faculty wise Time Table & Master Time Table is prepared to ensure classrooms and Practical Lab is available
- 100% delivery of syllabus is ensured by preparing/implementing/monitoring of Course Plan
- Different colored boxes installed in the institute to collect faculty/ non teaching staff/students feedback. These boxes are opened at every month and suitable corrective actions are taken by the Principal.

- The college has introduced many innovative practices for the students to achieve quality education.
- College provides financial support to the economical backward class students in the form of free-ship and Earn and Learn Scheme.
- The college has started remedial coaching for the slow learners, Pre requisite Program which helps them to cover up their gaps in learning.
- College is using online attendance module of college assessment system for students to improve the attendance.
- College has a Learning local Chapter of (NPTEL) National Programme on Technology Enhanced, A Project funded by MHRD, Government of India. To boost learning objectives students and faculty.
- College has a Remote Learning Center of (IIRS) Indian Institute of Remote Sensing is research institution of Indian Space Research Organization, Department of Space by Government of India. To enhance learning and teaching objectives.
- College being immersed new ICT related teaching and learning methods such as flipped classroom, video conferencing lectures and online video lectures are suited for best practices.
- College has an international identification by ISO 9001:2008 certification.
- Introduction of Semester pattern with new syllabus for U.G. Courses and revised syllabus for PG Course and effective implementation of as choice based credit system.
- Students are made aware about latest technologies & trends through seminars, guest lecturers, Industrial & Environmental/Study Tour.

- Platform is provided for placement of students to national and multi-national companies like Wipro, Infosys, New Horizon.
- The staffs are made acquitted with recent technologies & knowledge via refresher / Orientation Courses Sponsored by the UGC.
- Staffs are promoted to Personality Development & Recent Software Courses.
- Staff and students were promoted to University Level as well inter-university level sports, cultural and research projects.
- Students are made aware about the importance of environment; they are to prepare a project as the part of study of Environmental paper.
- College has taken initiative and contributed to the curriculum design and development process.
- The college has approximately 400 computers with 10Mbps internet connection.
- Use of Multimedia facility in the college to strengthen the teaching and learning process.
- Students are provided online teaching/training on internet/intranet.
- Seminar & class room Seminar are conducted by Students / Staff.
- Project work is undertaken by final year students mostly live projected are done.
- IBT has Learning local Chapter of (NPTEL) National Programme on Technology Enhanced, A Project funded by MHRD, Government of India. To boost learning objectives students and faculty

➤ **Industrial Visits**

- Industrial visits and educational tours are organized regularly which helps them gain hands-on experience and get a feel of the actual professional environment in the industry and to know about different places of prime importance.
- We are inviting software industry executives to guiding the students for better improvement in Placements, Employability and Entrepreneurship Skills.

➤ **Conferences, Workshops and Seminars:**

- College conducted various quality Workshops, Conferences and Seminars for students and faculty improvement.
- College Conducted Three Days International Conference on Recent Advances in Computer science, Engineering and Technology.
- College Conducted Two days National Level Seminar on Quality Sustenance and Quality Enhancement by IQAC at Institution Level.
- College Conducted with Collaboration IETE A National Workshop on Multicore technology.

Governance and leadership :

- 1] To achieve new peaks in governance and leadership. The institute always adopt good transparency and accountability practices. The interaction between Higher authority to student level is meticulously planned at least once in Month.
- 2] Our priorities are consistently improving the teaching staff and encouraging free atmosphere and communication between teacher and student.
- 3] To tap the talent in leadership, a team of lecturers always keep tab on student in all college function. Science fares and encourages the potential incumbents to take a lead by spatial counseling to them.
- 4] In order to achieve perfect Governance system, a continuous assessment of current system in all section is done and errors are eliminated by discussing with the concern people.

7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format at page no.98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practice No. 1

College Developed MCQS Website for Academic Courses

<http://www.mgmdrgvp.org/mcqs>

➤ **Goal:**

- Provide all multiple choice questions in one website.
- To train the students to appear for examination with confidence.

- Attempt more correct multiple choice questions and improve marks.
- The main goal of the college is to transform the students into well-meaning citizens through the committed pattern of instructions based on carefully prepared and well-designed curriculum of the University.
- To meet the changing needs of the time are the basis while building a rich corpus of talent.
- To bring enormous changes in the perceptions of the students toward examination which the traditional 'only one examination in a year' method could not adequately.

➤ **The context:**

- **College MCQS Website for Academic Courses** for student is believed to helped them to attain their Clear and Conceptual knowledge it will reduce the pressure of the student before or during the examinations, as the student will have to seat for multiple choice questions throughout the semester there by decreases the accumulated stress of University examinations in the students.
- The college in the academic world introduced the technique multiple choice questions preparation in online question banks and keeping in view of examination perspective.
- University formatted multiple choice question patterns of the paper for final examinations.
- Given Multiple Choice question bank prepared by the expert faculties.
- The College has provided and extends the internet access facility for students in order to access Multiple Choice questions.
- To sustain the quality of education, it is imperative to have an objective, consistent and reliable assessment method, assessment through multiple choice questions is the one such reliable ways.
- To make the summative question paper more objective way it is imperative that available on click in all subjects all course wise.

➤ **Implementation**

- **College MCQS Website** is implemented to provide online multiple choice questions access from anywhere anytime to make prepare for knowledge and examinations.
- College is implemented this concept with the help of college website i.e. <http://www.mgmdrgyp/mcqs> to access everyone anytime form any place without any constraint from college side.
- The College ensures that the students are provided with the questions formed by the experienced expert faculty of the college.
- This action has results in a steep fall occurrences of knowledge as per self-own peace learning.
- The Question Banks have facilitated the students in such a way that their efforts in the final examinations have started bearing fruits which will reflect in their results.

➤ **Problems encountered and resources required.**

- Students searches many website for multiple choice question.
- Teachers identify students less ratio of multiple choice questions solve.
- All most all students are not solved correct multiple choice question due to lack of reading.
- student are not reading reference and textbooks regularly that's way ratio of correct solve multiple choice question is less
- Similarly the students also face a lot of problem in studies.

➤ **Evidence of success:**

- The pass percentage has increased to a great extent.
- Students learn through online process of which is important part of learning process for students, the feedback on their performance has greatly contributed to their progress.
- The multiple choice question bank of all courses consists of a pool of validated multiple choice and objective questions.
- Questions comprising all the units of syllabus at the 3 cognitive levels of learning, knowledge, understanding and higher ability serve as a valuable asset to the institution.

- The drop-out rate and the failure rate have scaled low, down the line.
- The College ensures that the students are provided with the question framed by the experienced faculty of the college.
- The question banks have facilitated the students in such a way that their efforts in the final examinations have started bearing fruits which reflects in their results

Best Practice No. 2

ICT Based Academic and Administrative Monitoring

<http://caserp.jnec.org/>

➤ **Goal:**

- To guide the faculties towards better planning and teaching.
- To address the problems of students and make teaching student oriented.
- To enhance effective level of knowledge delivery system in classroom.
- ICT based Academic Monitoring is to Monitor and Control the Academic activities execution like time table, Feedback System, Result Analysis and Administration Work.
- Monitoring and evaluating the performance of the teaching-learning activities.
- Feedback is taken for all undergraduate and Post Graduate Programmes conducted in the College.
- The SMS and E-mail facility has been introduced for intimating the shortage of student's attendance to the Parents.
- To meet the teaching learning objective through ICT Based Academic Monitoring.
- To reduce the paper work ultimately helps save the Environment.

➤ **The context:**

- College always tries to achieve excellence in teaching learning by introducing new approaches to enhance the employability as well as academic results.

- The faculty members prepare their teaching plan based on feedback from students.
- Implementation of teaching plan and student's attendance is regularly monitored by teacher guardian and Head of Department and regular efforts are made to inform the students and parents.
- Computers with internet facility in every department for accessing software's and to find out in it lesson plans and even self-attendance reports on daily basis.
- The College has provided Teaching-learning is a continuous process and it being in tune with recent developments helps both to the teachers and students to sharpen their skills.

➤ **Implementation**

- Continues efforts here taken to implement the ICT Based Academic and Administrative Monitoring System.
- College uses various implemented Modules to access privileges to particular level of monitoring and smooth functioning.
- **ICT Based Academic Monitoring** is implemented to provide various modules like online time table, online Attendance, Online feedback, Online Leave, Digital Wallet and Internal Assessment for smooth conduction of College.
- College is implemented this ICT Based System to effective communication with various stakeholders like students, Parents and staff through use of Mail and SMS facility of this ICT Modules.

➤ **Problems encountered and resources required.**

- Acceptance and timely adoption of faculties have been a challenge however it has been welcomed by most of the faculties.
- Resources are required such as computer Systems and internet facility for each teacher and students.

➤ **Evidence of success:**

- Overall student and staff satisfaction has been improved work efficiency.
- Reduction of paper work.

- Faculties are better prepared for the classes and more satisfied with the content delivery.
- The college successfully implemented the ICT based software to monitoring academics and administrative work.

Best Practice No. 3 “Disha”: A competitive study forum

Goal:

To provide equal studying opportunity to all students appearing for competitive examinations and enhance the development of student through quality training. All the students regardless of their level, can benefit from improved study technique

The context:

We focus to enrich lives by challenging all students to become successful, lifelong learners who strengthen in a diverse and changing world.

We value learning as a lifelong process of change in the pursuit of knowledge and personal growth.

Qualifying CSIR/ICMR/UGC NET/SET/GATE examinations are gateway for pursuing world-class research in India. The syllabus is vast and requires perfect blend of theoretical knowledge.

Considering this holistic need IBT has launched NET coaching classes for students.

Implementation: We provide comprehensive course material, eminent faculty, renowned guest faculties, 24 X 7 Library facility, online questionnaire/test, discussion forums by students who already cleared the exams. Beside this Forum provide information like examination date, circulars and online help, discussion on research and other innovative topics; provide employment information to new students joining the field.

Problems encountered and resources required:

Well-timed updating to various exams is tedious task , The forum is efficient enough to maintained records of all competitive exams

Resources are required such as books, computer Systems and internet facility for teacher and students.

Evidence of success

The college successfully implementing “Disha” a competitive study forum and students are getting benefits in their learning and enrichment of their knowledge.

Best Practice No. 4: Soil and water testing laboratory

Goal: The goal of soil testing is to provide information on the soil properties that are present in a given location or planting area. Good quality drinking water is still a distant dream for most of the population. Hence assessing the water quality for human consumption and recreational purposes is of utmost importance.

The context: A soil sample must reflect the overall or average fertility of a yard or field, so given analyses, interpretations and recommendations accurately represent the nutrient or mineral status of the soil.

It is catering to the needs of all concerned with water availability and water quality e.g. Consumers like industries, hotels, hospitals, schools, embassies, policy makers like govt. departments & ministries and regulatory agencies like pollution control boards.

Implementation: We provide water testing, concerning parameters such as pH, turbidity, TDS, CO₂, dissolved oxygen, fluoride, nitrate, iron, chlorine present in various sewage samples coming from MGM campus including Medical College and hospital. We provide soil testing, concerning parameters such as micronutrient content.

Problems encountered and resources required

Water testing, soil testing kits and skilled human resource are required for efficient analysis of data.

Evidence of success:

Various sewage and soil samples are tested successfully in college laboratory till date.

3. Evaluative Report of the Departments

1. Name of the department: - Computer Science

2. Year of Establishment: - 2012

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Sr. No.	Programmes / Courses offered
U. G.	
1	B. Sc. Computer Science
P. G.	
1	M. Sc. Computer Science

4. Names of Interdisciplinary courses and the departments/units involved: - NIL

5. Annual/ semester/choice based credit system (programme wise)

U. G.		
1	B. Sc. Computer Science	Semester
P. G.		
1	M. Sc. Computer Science	Semester and choice based credit system

6. Participation of the department in the courses offered by other departments
Faculty handles classes on

- B. Sc. Information Technology
- B. C. A. Science
- B. Sc. Hotel Management
- B. Sc. Nursing
- M. Sc. Information Technology

Note: our department participate in courses offered for other departments by taking the subject like Introduction to computing, DS, OS, Networking etc.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

- MGM GYP registered for courses of NAPTL
- MGM GYP registered for courses of IRS
- Courses under Skill India

8. Details of courses / programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts

	Sanctioned	Filled
Professors	02	00
Associate Professors	8	00
Asst. Professors	18	12

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Deshmukh P. D.	Ph. D.	Professor	Image Processing	13	8
Mr. Azade S. Y.	M. Sc. Computer Science	Asst. Prof.	Software Engineering	13	---
Mrs. Telgad R. L.	M. Sc. Computer Science	Asst. Prof.	Image Processing	12	---
Mrs. Satonkar S. V.	M. Sc. Computer Science	Asst. Prof.	Image Processing/ Bio-matrix	09	---
Mrs. Patil R. B.	M. Sc. Computer	Asst. Prof.	Image Processing/	09	---
Mr. Kale V. K.	M. Sc. Computer Science	Asst. Prof.	Biometric & Speech processing	09	---
Mrs. Kumbhakrna V. M.	M. Sc. Computer Science	Asst. Prof.	Image Processing	09	---
Mr. Pundge A. M.	M. Sc. Computer Science	Asst. Prof.	Multi-core / NLP	08	---

Mrs. Patodkar N. S.	M. Sc. Computer Science	Asst. Prof.	Image Processing/ O.S.	08	---
Mrs. Dhvale A. D.	M. Sc. Computer Science	Asst. Prof.	Image Processing	06	---
Mr. Naiknaware B. N.	M. Sc. Computer Science	Asst. Prof.	Programmin g and DBMS	05	---
Mr. Komte R. V.	M. Sc. Computer	Asst. Prof.	Bio-matrix	05	---
Ms. Swapna Kadam	M. Sc. Computer	Asst. Prof.	Operating System	03	---
Dr. Kazi M. M.	Ph. D. M. Sc. Computer	Asst. Prof.	Image Processing/ Bio-matrix/ NN	02	---

11. List of senior visiting faculty

Name	Qualifi- cation	Design- ation	Speciali- zation	No. of Years of Experien ce	No. of Ph.D. Students guided for the last 4 years
Mrs. Jyoti Mohanty	M. A. Eng.	Asst. Prof.	English Language	08	---
Mr. Gaikwad	M. A. Eng.	Asst. Prof.	English Language	04	---
Mrs. Kukude K. U.	M. Sc. Env. Sc.	Asst. Prof.	English Language	04	---

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

By temporary faculty = 5%

13. Student -Teacher Ratio (programme wise) = 1: 25

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

The academic support staff and administrative staff are filled as per the requirement by the local committee. The details are as follows.

Sr. No	Name of support staff and administrative staff	Designation	Remark
1	6	O. S. ,Accountant Cashier / clerk, Clerk 2 Peon	Selected by local management committee

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

Highest Qualification	No. of Faculty
Ph. D.	2
M. Phil	10
PG	2

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

Nil

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

18. Research Centre /facility recognized by the University: N/A

19. Publications:

- * a) Publication per faculty
- * Number of papers published in peer reviewed journals (national / International) by faculty and students

Sr. No	Name of Faculty	IJ	NJ	IC	NC	Remark
1	Dr. Deshmukh P. D.	35	2	15	4	
2	Mr. Azade S. Y.	1	2	02	00	
3	Mrs. Telgad R. L.	15	2	10	2	
4	Mrs. Satonkar S. V.	04		02		
5	Mrs. Patil R. B.	02		04		
6	Mr. Kale V. K.	06		02		
7	Mrs. Kumbhakrna V. M.	06		02		
8	Mr. Pundge A. M.	03	01	04	01	
9	Mrs. Patodkar N. S.					
10	Mrs. Dhvale A. D.	03		03		
11	Mr. Naiknaware B. N.	03		01		
12	Mr. Komte R. V.					
13	Ms. Swapna Kadam	02		02		
14	Dr. Kazi M. M.					

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

- Monographs
- Chapter in Book
- Books Edited
- Books with ISBN/ISSN numbers with details of publishers
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index

20. Areas of consultancy and income generated: N/A

21. Faculty as members in

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

Sr. No	Name	National Societies Committees	/	International Societies Committees	/	Remark
1	Dr. Prapti Deshmukh	ISCA		IETE		
2	Dr. Sankaye Satish	ISCA				
3	Dr. Ganesh					
4	Dr. Harke					
5.	R.L.Telgad	ISCA				
6.	Kale Vijay	ISCA				

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme = 95%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies = 10%

23. Awards / Recognitions received by faculty and students

Title of Awards	Name of Faculty/ Student
Best paper Award “Who is Who “ PG teacher recognition Award for best idea in conference	Dr.P.D.Deshmukh
Best paper Award ICRACSET 2017, Best paper award in ICKE	R. L.Telgad
RD Parade at University Level	Ram Maske
Rifle Shutting Bronze Medal	Ganesh Mager
Fencing Bronze medal	Vandana Kalyankar
Rifle Shutting Silver Medal	Mahesh Mager
Judo Gold Medal	Rutija Saudagar
Mix Marshal art National Gold Medal	Sanchita Patole

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

- Dr. K. V. Kale HOD Dept. Of C. S. I. T. BAMU
- Prof. Allan Bruto from France
- Prof. Satyanarayan TFIR Mumbai
- Dr. R. R. Deshmukh HOD Dept. Of C. S. I. T. BAMU
- Dr. Bharti Gawali Dept. Of C. S. I. T. BAMU
- Dr. C. Namrata Dept. Of C. S. I. T. BAMU
- Dr. Manza R. R. Dept. Of C. S. I. T. BAMU
- Dr. Yannawar Pravin Dept. Of C. S. I. T. BAMU

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

a) National b) International

Type	No of seminar	No of Conference	No of workshops
National	-	-	1 (NAAC Sponsored)
International	-	1 (UGC)	-
Institutional	19	-	49

26. Student profile programme /course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolle		Class	Pass percentage
			*M	*F		
B. Sc. Computer Science 2016	442	122	63	58	FY	Result awaited
		116	52	64	SY	Result awaited
		104	46	58	TY	Result awaited
B. Sc. Computer Science 2015	412	127	57	70	FY	66.37%
		111	52	59	SY	60.91%
		71	31	40	TY	73.24%
B. Sc. Computer Science 2014	415	117	57	60	FY	55.14%
		76	34	42	SY	52.05%
		111	53	58	TY	74.55%
B. Sc. Computer Science 2013	524	108	61	47	FY	66.37%
		108	48	60	SY	60.91%
		175	94	81	TY	73.24%
B. Sc. Computer Science 2012	627	150	83	67	FY	92.81%
		200	113	87	SY	100%
		167	97	70	TY	70.93%

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. Computer Science 2016	94%	5%	1%
B. Sc. Computer Science 2015	94%	5%	1%
B. Sc. Computer Science 2014	94%	5%	1%
B. Sc. Computer Science 2013	94%	5%	1%
B. Sc. Computer Science 2012	94%	5%	1%

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

29. Student progression

Student progression	Against % enrolled
UG to PG	50%
PG to M. Phil.	10%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	0
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	80%
Entrepreneurship/Self-employment	20%

30. Details of Infrastructural facilities

- a) Library:- the Department has a College Library
- b) Internet facilities for Staff & Students:- Yes Department Have BSNL

10MBPS line for staff and Students

c) Class rooms with ICT facility:- Yes PG Classrooms of Department have ICT facility

d) Laboratories: - College have 10 Computer Lab 1 Micro processor, Digital Electronics, Computer Hardware labs Department share these with IT department of College

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

	2012-13	2013-14	2014-15	2015-16
GOI Scholarships	107 Students And the amount is 2336605	114 Students And the amount is 2423797	47 Students And the amount is 1159750	58 Students And the amount is 1403995
Minority Scholarships	15 Students And the amount is 31400	8 Students	10 Students	22 Students
Free ship	17 Students And the amount is 346221	8 Students And the amount is 133909	4 Students And the amount is 79810	10 Students And the amount is 196800

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

Academic Year	Date of event	Event	Organized By
2013-2014	13/07/2012	Seminar by Dr. Swati Shiradkar, Dr. Bapat, Dr. Pritam Phale.	MGMGYPCCS&IT Department of C. S.
	08/09/ 2012	Guest Lecture on 'Careers in Database Management' by SFK Infotech.	MGMGYPCCS&IT Department of C. S.
	11/1/ 2013	Two days Workshop by Mr. Sakhare	MGMGYPCCS&IT Department of C. S.
	13/02/2013	Seminar by Dr. Mebal Fernandis, Dr. Nazma	MGMGYPCCS&IT Department of C. S.

		Shaikh, Mrs. Shubhanti Gavane under vishakha cell.	
	13/07/2013	Fire Fighting demonstration Program under Disaster Management and ISO 14001:2004 EMS	MGMGYPCCS&IT Department of C. S.
	13/8/ 2013	Workshop on E-Governance by Dr. B.A.M.University, Aurangabad.	Dr. B.A.M.University, Aurangabad.
2014-2015	16/6/2014 to 18/6/2014	Three Days Workshop	MGMGYPCCS&IT Department of C. S.
	22/8/2014 to 24 /8/2014	Three Days Workshop by Dr. R.R.Manza	MGMGYPCCS&IT Department of C. S.
	10/7/2014to 20/7/ 2014	Ten Days Workshop by IIT Bombay Attended Faculties: 1.Mrs. Patil R.B. 2.Mrs Patodkar	by IIT Bombay
	26/8/2014	Workshop on Soft Computing by MGM JNECE, Aurangabad	MGM JNECE, Aurangabad
	27/8/2014	Refresher Course by Dr. B.A.M.University, Aurangabad. Attended facultie: 1.Mrs. Patil R.B. 2.Mrs Patodkar N.S. 3.Mr. Ashish Bhalerao 4. Mr. Pundge A	Dr. B.A.M.University, Aurangabad.
	28/8/2014	Two Weeks ISTE Workshop by IIT Bombay Attended Faculties: Ms. Aarti Kadam Mr. Ashish Bhalerao Mr. Komte R.S Mr. Gore D.B.	IIT Bombay
	22/1/2015 & 23/1/2015	A workshop by Dr.Ramesh Manza (Associate Professor,Dept of Cs & IT,Dr.B.A.M.U)Dr.Mukta Dhopeswarkar (Associate Professor,Dept of Cs & IT,Dr.B.A.M.U)	MGMGYPCCS&IT Department of C. S.
	11 /02/2015	Seminar by Aarzo Consultant	Aarzo Consultant
	20/2/2015 & 21/2/ 2015.	Workshop by Mr.Palakhivaleat MGM's JNEC.	MGM's JNEC.
	25/5/2015 to 30/5/2015	Two Days IIT Workshop at MIT College in association with IIT Bombay Attended Faculties:	MIT College in association with IIT Bombay

		Ms.Apurva Kale & Ms.Surekha Kalyankar	
	29/6/2015-7/7/2015	10 days Faculty Development Program organized by Infosys,Mysore attended by Mr. Ashok Sangale	Infosys,Mysore
	28/06 to 15 /07/ 2016	17 th Indian Institute of Remote Sensing (IIRS) Outreach Program on GeoWeb Services and GeoPortal Application	MGMGYPCCS&IT Department of C. S.
	17/07/ 2015	Seminar on Awareness program about various committees available in college for students such as antirraging, Internal complaint cell, Grievence redressel cell.	MGMGYPCCS&IT Department of C. S.
	26/8/2015	Two days workshop organized by Mr.Giri	MGMGYPCCS&IT Department of C. S.
	16/9/2015	One Day Workshop on Ganesha idol making using natural ingredients under animation department and EMS.	MGMGYPCCS&IT Department of C. S.
	22/9/ 2015	Workshop on money management	MGMGYPCCS&IT Department of C. S.
	23/09/ 2015	Session Mr.Doongaji –CEO TATA Group.	MGM IOM
	28/9/2015	Workshop by Dr.BAMU attended by all PG staff	MGMGYPCCS&IT Department of C. S.
	27/11/ 2015	Lecture on mind power by manshakti Kendra lonavla	MGMGYPCCS&IT Department of C. S.
	03/12/ 2015	Guest lecture by Mr.Joseph Monis(EPD & CSP office,Infosys,pune) & Mr.Girish Kale(placement officer,Dr.B.A.M.U),Mr.S. P.Varadhe(Empolymnt officer,Dr.B.A.M.U)	MGMGYPCCS&IT Department of C. S.
	3/1/2016 to 7/1/2016	Attended 103 rd ISCA Conference at Mysore Ms.pooja Vaidya,Deepali Sawane,Ajitkumar Pundge, 14 PG Students	MGMGYPCCS&IT Department of C. S.
2015-2016	16/1/2016	State level Avishkar Research Championship at pune University. Attended by Mr.Bharat Naiknaware & Ms.Ankita Kasliwal	pune University

	4/1/2016 to - 14/1/ 2016	10 days Faculty Development Program organized by Infosys,Pune attended by Ms.Swapna Kadam Ms.Pushpa Rajegore	Infosys,Pune
	20/1/ 2016	A workshop by Mr.Amit Bagchi- CEO NIE	MGMGYPCCS&IT Department of C. S.
	12/2/ 2016	Workshop by Dr.Swati Shiradkar(H.O.D,Dept of Gynecology,MHM Hospital) under Internal Complaint committee	MGMGYPCCS&IT Department of C. S.
	12 /2/2016	In memory of Great Poet 'Mangesh Padgaonkar', under skshma group	skshma group
2015-2016	15/2/2016 to 22/2/2016	7 Days Residential Camp at Ranjangaon Khuri under NSS	MGMGYPCCS&IT Department of C. S.
	17/2/2016 to 18/2/2016	Two Days IETE National Workshop	MGMGYPCCS&IT Department of C. S.
	2-3/02/ 2016	Two Days National Workshop collaboration with IIT, Madras and ARK Techno-Solutions, Mumbai	IIT, Madras and ARK Techno-Solutions, Mumbai
	18/2/ 2017	Self defence program for Girls	MGMGYPCCS&IT Department of C. S.
2015-2016	22/2/2016 to 29/2/2016	'Yoga Shibir' for all staff members under sports department	MGMGYPCCS&IT Department of C. S.
	27/2/2016	Workshop for Girl Students by clover dale staff under sports department	sports department
	21/03/ 2016	Android App Challenge Competition	MGMGYPCCS&IT Department of C. S.
	22 /03/2016	Guest Lecture organized in memory of late Dr.G.Y.Pathrikar of Dr.Manavendra Kachole	MGMGYPCCS&IT Department of C. S.
	03/03/ 2016	Seminar organized regarding guidance for formation and functionary of ICC	MGMGYPCCS&IT Department of C. S.
2016-2017	2/5/2016- to 10/7/ 2016	4 Weeks Faculty development Program organized by IIT Bombay attended by Mr. Ashok Sangle,Ms. Pushpa Rajegore ,Ms. Swapna Kadam, Dr.M.M.Kazi	by IIT Bombay

2016-2017	10/05/2016-14/06/2016	Attended Pre-Ph.D course in Dept of CS and IT, Dr. B.A.M.University, Aurangabad Mr. Sankaye S.R., Mrs. Telgad R.L., Mr. Naiknaware Bharat, Mr. Kale Vijay	Dept of CS and IT, Dr. B.A.M.University, Aurangabad
	21/6/ 2016	Celebrated International Yoga Day by MGM	MGM
	27/07/ 2016	Indian Institute of Remote Sensing (IIRS) Workshop on Capacity Building Program for Asset Mapping	MGMGYPCCS&IT Department of C. S.
	5 th -6 th /08/ 2016	IEEE Bombay Section SKEP Program	MGMGYPCCS&IT Department of C. S.
	22 nd /08 to 18 th /11/ 2016.	18 th IIRS Outreach Programme on "Basics of Remote Sensing, GIS & GNSS"	MGMGYPCCS&IT Department of C. S.
	18/08/ 2016	Guest Lecture Life by Swami Aryanand	MGMGYPCCS&IT Department of C. S.
	20/08/ 2016	Organized Seminar by Mr.Pankaj Khandagale	MGMGYPCCS&IT Department of C. S.
	26/08/ 2016	Guest lecture by Dr. Yogesh Kant under IIRS,ISRO,Deharadun Student and Staff members	MGMGYPCCS&IT Department of C. S.
	24/8/ 2016	One Day Workshop on Ganesha idol making using natural ingredients under animation department	MGMGYPCCS&IT Department of C. S.
	25/8/2016	One life one Tree Program for mass tree plantation attended by student and staff members.	MGMGYPCCS&IT Department of C. S.
	15/8/2016 - 25/8/ 2016	10 days Faculty Development Program organized by Infosys,Pune Mrs. Rita Patil ,Mrs. Punde Pramodini	Infosys,Pune
	7 /9/ 2016	International literacy day Rally under NSS dept	MGMGYPCCS&IT Department of C. S.
	19/9/2016 to 22/9/2016`	Youth Festival organized by Dr.B.A.M.University, Aurangabad at Tuljapur attended and participated by faculty members and students	Dr.B.A.M.University, Aurangabad
	6/1/2017	Guest lecture by Pradnya Kale under VISHAKHA CELL.	VISHAKHA CELL.

2016-2017	17/01/2017	One day seminar by "Sachin Dedhiya"	MGMGYPCCS&IT Department of C. S.
	30/1/2017 & 1/2/ 2017	Two day National conference	MGMGYPCCS&IT Department of C. S.
	31/01/2017 to 02/02/2017	Three days International conference	MGMGYPCCS&IT Department of C. S.
	27/2/2017	Guest lecture by Dipti Kundal	MGMGYPCCS&IT Department of C. S.
		Guest lecture by Dr.R.R.Manza, Associate Prof, Dept of CS and IT, Dr.B.A.M.University, Aurangabad.	MGMGYPCCS&IT Department of C. S.
	31/1/2017 to 2/2/2017	International conference	MGMGYPCCS&IT Department of C. S.

33. Teaching methods adopted to improve student learning

- Audio-visual presentation for theory and practical classes
- Mini projects (Individual and group based projects) in individual subjects
- Invited guest lectures are regularly arranged
- Remedial classes for slow learners
- Infosys Campus Connect programme for advanced learners
- Industrial visits are arranged
- Class room laboratory teaching approach

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

The department is conscious of its role in campus community connection, well being of its neighborhood and has initiated a number of community development activities. These activities include:

- Involving in NSS Camps
- Involving students in Blood Donation Camps
- Participation in inter and intra-college symposiums –Programming contest, paper presentations, project presentations etc.
- Acquiring memberships in different societies like CSI, IE, IEEE etc
- Sakshama woman impairment cell

35. SWOC analysis of the department and Future plans

STRENGTH of Departments

- The College initially started with only 1 departments and 2 courses with 60 students intake per Course; but within a span of 10 years, only the

Department of CS got a sanction of 120 students intake. The intake of college is increased from 150 to 430.

- The minimum qualification of all Faculty members are M.Sc. Computer Science / . Phil. /MCA
- All Computers and Mp / DE Practical kits are Advanced.
- Departmental participation in Interdepartmental activities
- Teacher Mentors: Each class has two Mentors, who are Faculty members of the Dept. 30 students for each teacher.
- Infosys / TCS and other MNC Campus arranged by the Dept.
- Strong Team Work in the Department
- Young, dynamic and energetic Faculty and other staff members
- Special Coaching: Technical, soft skill,
- Innovative Project Works by students
- Online Mock Test and Interview: Aptitude and Technical

WEAKNESS of Department

- Number of PhD holders is less; however, most of the Faculty members are pursuing PhD in different universities. Expecting a good no. of PhD within a couple years
- Research facilities in the Department to be enhanced so that Faculty members can carry out their PhD research works and other research activities in the departmental labs
- Lack of state-of-art laboratory facility on latest technologies like Greed Computing, Biosensors, and WSN where latest research works is going on.
- Motivating students towards competitive examinations like GATE/ GRE and also towards Govt./public sectors“ jobs

Future plans of the Department

- To establish academic interactions or collaborations with reputed external organizations
- To encourage the students to become entrepreneurs, or prepare for NET. SET, MPSC, UPSC .
- Patenting the innovative research work carried out in the department by faculties.

3. Evaluative Report of the Departments

1. **Name of the department:** Department of IT
2. **Year of Establishment:** 2012
3. **Name of Programmes /Courses offered (UG,PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D.,etc.) :**
Under Graduate Courses: 1) B.Sc.(Information Technology)
 2) B.C.A. (Science)
 3) B.Sc.(Animation)
Post Graduate Course: 1) M.Sc.(Information Technology)
4. **Names of Interdisciplinary courses and the departments/units involved:**
NIL
5. **Annual/semester/choice based credit system (programme wise):**
 Semester @ UG Level
 Choice Based Credit System @ PG Level
6. **Participation of the department in the courses offered by other departments:**
 Staffs of the department are involved in teaching to Department of Computer Science and MGM's Nursing College.

Name of College / Department	Name of the Faculty
MGM's Nursing College	Ms. Puspa Rajegore
Computer Science Dept.	Dr. Sankaye S.R., Mr. Gore D.B., Mr. Bhalerao A.A., Mr. Sangle. A.S.

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 (Fix Pay Basis)**

	Sanctioned	Filled
Professors	01	00
Associate Professors	05	00
Asst. Professors	8	05

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Satish Sankaye	M.Sc.(Comp. Science), Ph.D.	Asst.Prof	DSP&Web Technology	12Yrs	NIL
Ashok Sangle	M.Sc.(I.T.), M.Phil (CS)	Asst.Prof	GIS & RS	5Yrs	NIL
Ashish Bhalerao	M.Sc.(C.S.), M.Phil (CS)	Asst.Prof	Sentimental Analysis	8Yrs	NIL
Dayanand Gore	M.Sc.(Soft. Engg.), M.Phil (C.S.)	Asst.Prof	Biometrics	4Yrs	NIL
Nitin Upadhye	M.C.A.	Asst.Prof	Computer Application	5Yrs	NIL
Pramodini Punde	M.Sc.(C.S), M.Phil (CS)	Asst.Prof	Image Processing	12 Yrs	NIL
Pushpa Rajegore	M.C.A.(Engg.)	Asst.Prof	Animation& Cloud computing	2Yrs	NIL
Nilesh Udamale	M.F.A.	Asst.Prof	Animation	2Yrs	NIL
Usha Shete	M.C.A.	Asst.Prof.	Computer Application	5 Yrs	NIL
Pooja Vaidya	M.C.A	Asst.Prof.	Computer Application	4 Yrs	NIL
Dr.Seema Sabnis	M.Ped ,Ph.D	Sport Director	Physical Education	14Yrs	NIL

11. List of senior visiting faculty

Name of the Faculty	Qualification	Specialization	Experience
Shymal Mahajan	M.Sc.(Maths)	-	3 Yrs
Anjali Rokade	M.Sc.(C.S.)	-	-
Akshay Deshpande	M.Sc.(I.T.)	-	3Yrs
Aparna Girgaonkar	M.Sc.(C.S.)	-	-
Nupur Chajed	Diploma	-	1 Yrs

12. Percentage of lectures delivered and practical classes handled (programme wise) By temporary faculty: 20%

13. Student-Teacher Ratio(programmewise): 32:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Technical Lab Attendent- 01.

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.: -/-/1/3/5

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

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

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

19. Publications:

- * a) Publication per faculty:
- * Number of papers published in peer reviewed journals (national/ International) by faculty and students:

Sr.No.	Name of the Faculty	No. Paper published	Remark
1)	Dr. Satish R. Sankaye	06	
2)	Mr. Ashok S. Sangle	03	
3)	Mr. Ashish A. Bhalerao	02	
4)	Ms. Pramodini Punde	01	
5)	Mr. Dayanand B. Gore	01	
6)	Ms. Pushpa Rajegore	01	

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

- * Monographs : **NIL**
- * Chapter in Books : **NIL**
- * Books Edited : **NIL**
- * Books with ISBN/ISSN numbers with details of publishers : **NIL**
- * Citation Index : **NIL**
- * SNIP : **NIL**
- * SJR : **NIL**
- * Impact factor : **NIL**
- * h-index : **NIL**

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

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

22. Student projects

- a) Percentage of students who have one in-house projects including interdepartmental/programme: **100%**
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **35%**

23. Awards/Recognitions received by faculty and students :

Title of Awards	Name of Faculty/ Student	Year
Best paper Award ICKE 2016	Dr. S.R. Sankaye	2016-17
Best paper Award ICRACSET 2017	Mr. A.S. Sangle	2016-17
RD Parade at University Level	Ms. Simran Chauvan	2016-17
RD Parade at University Level	Ms. Kirti Sawale	2016-17

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

- **Dr. R.R. Manza, Recent trends in technology.**
- **Padmashree Payeng Jadav, forest Man**
- **Dr. Mansi Baheti**
- **Dr. Mukta Dhopeswar**
- **Dr. Sameer Sahasrabudhe, from IIT Mumbai.**

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

a) National : 01

b) International : 01

Academic Year	Events	Remarks
2016-17	International Conference on Recent Advances in Computer Science, Engineering and Technology-2017	International

26. Student profile programme/coursewise: (2015-16)

Academic Year	Name of the course/Programme	Applications Received	Selected	Enrolled	
				M	F
2012-2013	B.Sc.(IT)	32	29	22	07
	BCA(Sci)	36	35	32	03
	M.Sc.(IT)	22	20	12	08
2013-2014	B.Sc.(IT)	37	35	14	21
	BCA(Sci)	51	46	34	12
	M.Sc.(IT)	13	22	10	12
2014-2015	B.Sc.(IT)	32	28	21	07
	BCA(Sci)	36	31	18	13
	B.Sc.(Ani)	13	10	6	4
	M.Sc.(IT)	22	20	8	12
2015-2016	B.Sc.(IT)	58	47	35	12
	BCA(Sci)	58	49	27	22
	B.Sc.(Ani)	21	17	15	02
	M.Sc.(IT)	09	07	07	00
2016-2017	B.Sc.(IT)	64	61	41	20
	BCA(Sci)	63	61	40	21
	B.Sc.(Ani)	28	25	21	04
	M.Sc.(IT)	13	11	08	03

*

M=Male *F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.(I.T.)	94%	4%	02%
B.C.A.(Sci.)	98%	2%	-
B.Sc.(Ani.)	100 %	-	-
M.Sc.(I.T.)	61 %	11 %	28 %

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

29. Student progression

Student progression	Against % enrolled
UG to PG	75%
PG to M.Phil.	10%
PG to Ph.D.	2 %
Ph.D.to Post-Doctoral	-
Employed	
• Campus selection	20 %
• Other than campus recruitment	5 %
Entrepreneurship/Self-employment	10 %

30. Details of Infrastructural facilities:

- a) Library : YES
- b) Internet facilities for Staff & Students : YES
- c) Class rooms with ICT facility : YES
- d) Laboratories: **04 Computer Lab.**

31. Number of students receiving financial assistance from college, university, Government or other agencies: Govt. Scholarship for SC/ST Students.

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

33. Teaching methods adopted to improve student learning:

- Arranging video Lectures.
- Extra Practical Session.
- Guest Lecturers of Subject Experts.

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

- Foundation Day Programme
- Participation in N.S.S. Activities / Camp.
- University / Social Cause Rallies
- Swachata Abhiyaan Programme

35. SWOC analysis of the department and Future plans

Strength:

- No. of Experienced and highly qualified Staff
- Spacious Class Room and well-equipped Computer Lab.
- ERP Facilities for the students and staff
- Tutor-Ward System
- Arrangement Guest Lecturer
- Boosting the staff towards research degree M.Phil / Ph.D.

Weakness:

- Utilization of resources in the campus.
- No. of Ph.D. Staff.

Opportunities:

- Motivating the staff and student for putting their effort for Social awareness.
- Reducing the Paper Wastage and e-waste.

Challenges:

- Strengthening the Students attendance / participation in College Activities
- Regular arrangement of workshops / Seminars.
- Escalating the students for working out Industrial / Live Project.

Future Plans:

- Decreasing the student-staff Ratio
- Conducting Value Education Lectures
- Increasing Students / Staff participation in Swachata Abhiyaan
- Preparation of the Lab Manual.
- Develop and deployment of the students project in Industry.

3. Evaluative Report of the Departments: Biotechnology

The Self-evaluation of every department may be provided separately in about

3-4 pages, avoiding the repetition of the data.

1. Name of the department: - Department of Biotechnology

2. Year of Establishment: - 2008

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Sr. No.	Programmes / Courses offered
P. G.	
1	M. Sc. Biotechnology
2.	M.Sc. Bioinformatics

4. Names of Interdisciplinary courses and the departments/units involved: - NIL

5. Annual/ semester/choice based credit system (programme wise)

P. G.		
1	M. Sc. Biotechnology	Semester and choice based credit system
2.	M.Sc. Bioinformatics	Semester and choice based credit system

6. Participation of the department in the courses offered by other departments
Faculty handles classes on

Department of Information Technology

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

- Department of Biotechnology registered for courses of NAPTL
- MOODLE Server (Learning Management System)

8. Details of courses / programmes discontinued (if any) with reasons
Nil

9. Number of teaching posts

	Sanctioned	Filled
Professors	02	Nil
Associate Professors	04	00
Asst. Professors	4	04

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students
Dr. Sanjay N. Harke	Ph. D.	Professor	Biochemistry	20	
Mrs. Archana Panche	M.Sc. Bioinformatics	Asst. Prof.	Bioinformatics	11	---
Dr. Ganesh Janvale	Ph.D.	Asst. Prof.	Human Computer Interaction	10	---
Mr. Shivprasad Jadhav	M. Sc. Biotechnology	Asst. Prof.	Gene Expression	08	---

11. List of senior visiting faculty

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S. Ghosh	Ph.D.	Associate Professor	Mathematics	13	----

12. Percentage of lectures delivered and practical classes handled (programmer wise)

By temporary faculty = 5%

13. Student -Teacher Ratio (programme wise) = 1: 25

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

The academic support staff and administrative staff are filled as per the requirement by the local committee. The details are as follows.

Sr. No	Name of support staff and administrative staff	Designation	Remark
1	4	Accountant Cashier / clerk, Clerk 2 Peon	Selected by local management committee

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

Highest Qualification	No. of Faculty
Ph. D.	3
M. Phil	-
PG	2

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

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

18. Research Centre /facility recognized by the University: N/A

19. Publications:

- a) Publication per faculty
- Number of papers published in peer reviewed journals (national / International) by faculty and students

Sr. No	Name of Faculty	IJ	NJ	IC	NC	Remark
1	Dr. Sanjay Harke	5	10			

2	Mrs. Archana Panche	1	2			
3	Dr. Ganesh Janvale	2	10			
4	Mr. Shivprasad Jadhav		0		0	

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

- Monographs
- Chapter in Books
- Books Edited
- Books with ISBN/ISSN numbers with details of publishers
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index

20. Areas of consultancy and income generated: N/A

21. Faculty as members in

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

Sr. No	Name	National Societies / Committees	International Societies / Committees	Remark
1	Dr. Sanjay Harke	Nil	Nil	Nil
2	Mrs. Archana Panche	Nil	Nil	Nil
3.	Dr. Ganesh Janvale	Nil	Nil	Nil
4.	Mr. Shivprasad Jadhav	Nil	Nil	Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme = 60%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies = 40%

23. Awards / Recognitions received by faculty and students

Nil

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

Dr. S. Bansal

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

a) National b) International

Type	No of seminar	No of Conference	No of workshops
National	NIL	NIL	NIL

26. Student profile programme /course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Class	Pass percentage
			*M	*F		
M. Sc. Bioinformatics 2016-2017	8	8	5	3	FY	Result awaited
		8	2	5	SY	Result awaited
M.Sc. Biotechnology 2016-2017	21	21	10	11	FY	Result awaited
	18	18	8	10	SY	Result awaited
M.Sc. Biotechnology 2015-2016	22	22	11	11	FY	81%
	9	9	7	2	SY	100%
M.Sc. Bioinformatics 2015-2016	Nil	Nil	Nil	Nil	Nil	Nil
M.Sc. Biotechnology 2014-2015	19	19	10	9	FY	89%
	18	18	11	7	SY	100%
M.Sc. Biotechnology 2013-2014	18	18	11	7	FY	94%
	38	38	22	16	SY	100%
M.Sc. Biotechnology 2012-2013	39	39	20	19	FY	97%
	38	38	22	16	SY	92%

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. Bioinformatics 2016	100%	Nil	Nil
M.Sc. Bioinformatics 2015	88%	12%	Nil
M.Sc. Biotechnology 2016	100%	Nil	Nil
M.Sc. Biotechnology 2015	100%	Nil	Nil
M.Sc. Biotechnology 2014	100%	Nil	Nil
M.Sc. Biotechnology 2013	100%	Nil	Nil
M.Sc. Biotechnology 2012	100%	Nil	Nil

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

29. Student progression

Student progression	Against % enrolled
PG to M. Phil.	2%
PG to Ph.D.	1%
Ph.D. to Post-Doctoral	0
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	80%
Entrepreneurship/Self-employment	20%

30. Details of Infrastructural facilities

a) Library:- the Department has a College

Library

b) Internet facilities for Staff & Students:- Yes Department Have BSNL 10MBPS line for staff and Students

c) Class rooms with ICT facility:- Yes Classrooms of

Department have ICT facility i.e. Projector, Interface board

d) Laboratories: - College have 3 Computer Lab 1 Micro processor, Digital Electronics, Computer Hardware labs Department share these with IT department of College

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

	2012-13	2013-14	2014-15	2015-16	2016-17
GOI Scholarships	25 Students	20 students	14 students	16 students	20 Students
Minority Scholarships	Nil	Nil	Nil	01 student	1 student
Free ship	59 Students	40 Students	17 Students	22 students	34 Students

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

Academic Year	Date of event	Event	Organized By
2012	16 th Feb to 18 th Feb 2012	Institute organized National conference titled “Bird Eye View of Biosciences Research and Academics 2012” from 16 Feb to 18 Feb 2012 at MGM’s Rukmini Auditorium hall with Dept. of Biotechnology, JNEC, Aurangabad.	Department of Biotechnology
2014	25 th Feb to 1 st March 2014	5-days Hands-on workshop on Microarray and Next Generation Sequencing (NGS) data analysis	Department of Biotechnology
2016	1 st to 10 th Sept. 2016	Workshop on Linux	Department of Biotechnology
2016	1 st to 10 December 2016	Workshop on python	Department of Biotechnology

33. Teaching methods adopted to improve student learning

- Remedial classes

- Unit test at every month end
- Industrial visits / Academic tours
- Conference / Seminar / workshop
- Guest lectures of Eminent personality

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

The department is conscious of its role in campus community connection, well being of its neighborhood and has initiated a number of community development activities. These activities include:

- Active participation of faculty members and students in Social Gathering

35. SWOC analysis of the department and Future plans

STRENGTH of Departments

- Chemical and High quality bioinformatics laboratories
- Maximum faculties are Ph.D.

WEAKNESS of Department

- Lack of some instruments like Mass spectroscopy and NMR

Future plans of the Department

- DSIR recognition as a research center
- Smooth conduction of DISHA forum for students to create awareness about competitive exams.

E. Post Accreditation Initiatives

To present the Quality enhancement and sustenance of our institution, the five core values of NAAC are used as initiatives.

Contributing to National Development:

The vision and mission of the institution is to enhance the quality of education for the development of the nation. The college has an implicit goal to offer higher education to the economically, socially weaker sections of the society and thus contribute to the development of our nation. For this implementation the admission process is transparent. Though the college is self-financed i.e. non-aided college the various amenities are provided to the students. As some of the faculty members are in the B.O.S. they have updated the syllabus of the students in which students acquire knowledge and learn to apply it professionally with due consideration for ethical and economical issues. The college ensures quality and relevance. New Courses to develop the job-oriented skills, skill-based electives of the studies. Certificate courses are introduced, Remedials, Pre-requisite programs, induction program, communicative skill Sports, Yoga and Meditation and so forth are planned and implemented to develop overall personality of students and make them responsible citizens of the nation.

For research, national, regional issues and emerging areas are encouraged. For developing the scientific temper among the student and faculties various workshops, guest lectures, seminars and conferences are organized by the college. MGM has established the women's empowerment cell by name Sakshma. Faculty members and students also attend the training programmes for the improvement and upgradation in the knowledge. To upgrade our students in all respects with the help of latest infrastructure in the area of Computer and Life science in order to build the National Capabilities College focus on the ICT-based teaching learning, Flipped classrooms and IIRS programs, NPTEL programs are conducted. College Organises Industrial visits, sports activity and extracurricular

activities etc positively. To understand the culture of Non-violence, truth, peace through Gandhian philosophy college celebrates Gandhi Jayanti, Conduct the seminars, celebrates Independence day , Republic day etc..

Fostering Global competencies among students:

To foster global competencies and to tap the human resources of the younger minds, Skill based courses is planed by the institution , The University provides the elective subject in the curriculum which helps the student to select the subject according to their choices and college runs that courses at UG level and PG level. The PG courses are effectively implemented with the Choice based Credit and grading system.

College has framed the syllabus of B.Sc (Animation) and B.Sc.(Hardware nad networking) for the development of innovative,creative and skill in consonance with the national requirements. The approach to the courses ensures the skill development, core competencies of the students to meet the global requirements.

We promote our students for higher education.Almost all stundents appearing for CAT exams successfully crack it. Various workshops and Training Programmes are organized to enhance the soft skill and personality of our students. This equips them well in the job market.

Collaborations with industries, networks and other neighbourhood agencies/bodies bridge the world of pragmatism and learning environment. College has various linkages which is benifited for staff and students.

Inculcating a value system among students:

To inculcate value systems incorporated in our tradition and society, College organizes various work shops and seminars .To inculcate values of the society, culture, economy and environmental realities, Extension activities like NSS , Institutional social responsibility helps the students to learn of Indian values at local, national and universal levels.A course on Environmental Studies

with credits is compulsory for all UG students to create an awareness of the environment and also to protect nature and environment.

To create the reality of equality of gender in the youth, a course on Gender equality programs are organized by the college. The college conducts the programs like self defense for the security of students. Yoga and Meditation are conducted regularly. This helps to shape a sound mind in a sound body.

Promoting the use of Technology

To promote the use of technology the administrative process in the administrative office, Office of the Principal and the Controller of Examinations is fully automated to ensure speed, safety and security. The library and the office is fully automated. The library software and college website and MCQs website, is developed by college faculty and students. As our college is having courses Computer Science, Computer Applications and Information Technology this Programmes are also offered to facilitate the use of Technology.

For effective teaching learning process the college uses the ICT based teaching which will promote the students to use the technology. Technology enhanced ontological tools, smart and interactive boards are utilized in teaching-learning process for effective study.

Our library is automated provides E resources like e-books and e-journals. The total number of computers is nearly 300 with internet connectivity for staff and students of all the departments. Wi-fi connectivity is available round the clock. The college admission process is online. Through ERP System College has given login id to each students and faculty. Through this login id teacher can fill the online course plan, attendance of the students as well as teacher can submit the online study material, online tutorial. Students can fill the online feed back form which helps to improve and enhance the teaching learning process.

Quest for Excellence:

With an institute vision and mission efforts are taken to meet objective of higher education. Following the footprints of our living example, the members of the teaching and non teaching staff members and students are all dedicated to the cause of quality education. Our quest for excellence has started with our

preparation for second cycle of accreditation and the dream is visualized by the preparation of Self Study Report by the Steering Committee of our institution. Higher Education.

ANNEXURE I- List of publication

Sr. No.	Name of Faculty	Title of The article	Journal Name	ISSN No.	Year
1	Dr. Prapti D. Deshmukh	Computer aided feature extraction Technique For finger print recognition system	International Journal C.S.A.		2012
2	Dr. Prapti D. Deshmukh	Computer aided Technique for Finger Print Image Enhancement by using DFT and Binarization	international Journal C.S.I.E. by Serial Publication		2013
3	Dr. Prapti D. Deshmukh	Computer aided technique for Finger Print Image Enhancement and Minutiae Extraction	international journal IJCSA	973-93-80877-17-5	2013
4	Dr. Prapti D. Deshmukh	Study of Existing Preprocessing Techniques for Fingerprint Analysis	international Journal C.S.I.E. by Serial Publication		2013
5	Dr. Prapti D. Deshmukh	A Survey of Image Processing Algorithms for Detecting Microcalcification in Mammogram Images	International Journal of Advanced Research in Computer Science	0976-5697	2013
6	Dr. Prapti D. Deshmukh	Study of fracture detection techniques of longitudinal bone :femur	Journal of Basic and applied Sciences	2229- 3302	2013
7	Dr. Prapti D. Deshmukh	Features of finger print biometrics and it's applications for expert system	International Journal of Ajanta Prakashan		2013
8	Dr. Prapti D. Deshmukh	Effective Iris Recognition for Security Enhancement	International Journal of Information and Computing Technology		2013
9	Dr. Prapti D. Deshmukh	Computer Aided Ttechnique for Finger Print Image Enhancement by Using DFT and Binarisation	International Journal Serial Publication		2013
10	Dr. Prapti D. Deshmukh	Gender Classification system through finger print biometric: A review	Weekly Science International Research Journal	2321-7871	2013

11	Dr. Prapti D. Deshmukh	A Multi-Algorithm based Gender Classification using Fingerprint: A Feature level Fusion and SVM Approach	International Journal of Applied Engineering Research	0973- 4562	2015
12	Dr. Prapti D. Deshmukh	Development of Iris Feature Extraction system by using Wavelet	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-issn 2287-8727	2017
13	Dr. Prapti D. Deshmukh	Detection and classification of Breast mass using Support vector machine	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-issn 2287-8726	2017
14	Dr. Prapti D. Deshmukh	Fingerprint recognition system for persons Identification using termination and bifurcation of minutiae	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-issn 2287-8726	2017
15	Dr. Prapti D. Deshmukh	Development of fracture detection system using classification technique	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-issn 2287-8726	2017
16	Dr. Prapti D. Deshmukh	Study of variation in the effective Automic Number	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978-81-932810-2-4	2017
17	Dr. Prapti D. Deshmukh	Students Participations in Quality Enhancement ,through self evaluation	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978-81-932810-2-4	2017

18	Dr. Prapti D. Deshmukh	Effective teaching Learning process by using computer based teaching tool of computer graphics algorithms	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978-81-932810-2-4	2017
19	Dr. Prapti D. Deshmukh	Face Recognition by using PCA and NN approach	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
20	Dr. Prapti D. Deshmukh	Breast Mass Segmentation Using seed based region growing technique	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
21	Dr. Prapti D. Deshmukh	Feature level fusion for fingerprint using neural network for persons identification	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
22	Dr. Prapti D. Deshmukh	Study of fracture detection techniques of longitudinal bone: Femur	Journal of Basics and applied Sciences	ISSN-2229-3302	2013
23	Dr. Prapti D. Deshmukh	Study of Automatic Fracture Detection System Using Classification Methods: A Review	International Journal of Advanced Research in Computer Science and Software Engineering	ISSN: 2277 128X	2015
24	Dr. Prapti D. Deshmukh	Development of Automatic Fracture Detection System using Image Processing and Classification Methods for Femur Bone X-Ray Images	International Journal of Computer Sciences and Engineering	E-ISSN: 2347-2693	2016
25	Dr. Prapti D. Deshmukh	Development of fracture detection system using classification technique	IOSR (International Organization of Scientific Research) Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661,p-ISSN: 2278-8727	2017

26	Dr. Prapti D. Deshmukh	Features of Fingerprint Biometrics and its application for Expert System	An International Multidisciplinary Half Yearly Research Journal. CAME-C	ISSN 2319-6270	2012
27	Dr. Prapti D. Deshmukh	Effective Iris Recognition For security Enhancement	International Journal of Information and Computing Technology. (RESEARCH@ICT)	ISSN: 0976-5999	2013
28	Dr. Prapti D. Deshmukh	Multimodal Biometric Systems: Study to Improve Accuracy and Performance	International Journal of Current Engineering and Technology	E-ISSN 2277-4106, P-ISSN 2347-5161	2014
29	Dr. Prapti D. Deshmukh	An Effective Approach for Fingerprint Verification System using Artificial Neural Network	International Journal of Emerging Trends in Engineering and Development	2249-6149	2014
30	Dr. Prapti D. Deshmukh	Fingerprint Verification System by using Decision-Level Fusion	International Journal of Multidisciplinary Education Research	ISSN: 2277-7881	2014
31	Dr. Prapti D. Deshmukh	Study of Existing Preprocessing Techniques for Fingerprint Analysis	Optimization Journal of Research in Management	ISSN: 0974-0988	2013
32	Dr. Prapti D. Deshmukh	Automated biometric verification: a literature survey on multimodal biometrics	International Journal of Computer Science and Business Informatics	ISSN: 1694-2108	2012
33	Dr. Prapti D. Deshmukh	Iris Recognition for Person Identification using Neural Network Approach	Advances in computational research	ISSN: 0975-3273, E-ISSN: 0975-9085.	2015
34	Dr. Prapti D. Deshmukh	Voice Based Biometric System Feature Extraction Using MFCC and LPC Technique	International Journal of Advanced Engineering Research and Science (IJAERS)	ISSN: 2349-6495	2016
35	Dr. Prapti D. Deshmukh	Text-Dependent Speaker Recognition System Using MFCC	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
36	Mrs. Rupali L. Telgad	E-Learning Model-A casa of CG algorithms	International Journal of Reasearch in Engineering, I.T. and Social Sciences	2250-0588	2012
37	Mrs. Rupali L. Telgad	Computer aided feature extraction Technique For finger print recognition system	International Journal C.S.A.		2012

38	Mrs. Rupali L. Telgad	Computer aided Technique for Finger Print Image Enhancement by using DFT and Binarization	international Journal C.S.I.E. by Serial Publication		2013
39	Mrs. Rupali L. Telgad	Study of Existing Preprocessing Techniques for Fingerprint Analysis	international Journal C.S.I.E. by Serial Publication		2013
40	Mrs. Rupali L. Telgad	Computer aided technique for Finger Print Image Enhancement and Minutiae Extraction	international journal IJCSA	973-93-80877-17-5	2013
41	Mrs. Rupali L. Telgad	Biometric verification: a Literature Survey on Multimodal Biometrics	International Journal of Computer Science and Business Informatics	1694-2108	2013
42	Mrs. Rupali L. Telgad	E-learning Model -A Case of Computer Graphics Animation	international Journal of Information and Computing Technology	0976 – 5999	2013
43	Mrs. Rupali L. Telgad	Effective Iris Recognition For security Enhancement	International Journal of Information and Computing Technology	0976 – 5999	2013
44	Mrs. Rupali L. Telgad	Fingerprint Image Segmentation using Global Thresholding	International Journal of Current Engineering and Technology	E-ISSN 2277-4106,P-ISSN 2347-5161	2014
45	Mrs. Rupali L. Telgad	Multimodal Biometric Systems: Study to Improve Accuracy and Performance	International Journal of Current Engineering and Technology	E-ISSN 2277-4106,P-ISSN 2347-5161	2014
46	Mrs. Rupali L. Telgad	Fusion of face and Fingerprint Biometric system for recognition	International Journal of Emerging Trends in Engineering and Development	ISSN 2249-6149	2014
47	Mrs. Rupali L. Telgad	An Effective approach for Fingerprint verification system using Artificial Neural Network	International Journal of Emerging Trends in Engineering and Development	2249-6149	2014
48	Mrs. Rupali L. Telgad	Fingerprint Verification System by using Decision-Level Fusion	International Journal of Multidisciplinary Educational Research	ISSN : 2277-7881	2014
49	Mrs. Rupali L. Telgad	Fingerprint preprocessing techniques	Optimization Journal of research in management	Issn : 0974-0988.	2014
50	Mrs. Rupali L. Telgad	Survey: iris feature extraction techniques for persons recognition	Advances in computational research	ISSN No. 0975-327,E-ISSN	2015

		system		0975_9085	
51	Mrs. Rupali L. Telgad	Iris recognition for person Identification using Neural Network application	Advances in computational research	ISSN No. 0975-327,E-ISSN 0975_9086	2016
52	Mrs. Rupali L. Telgad	Development of Iris Feature Extraction system by using Wavelet	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-issn 2287-8727	2017
53	Mrs. Rupali L. Telgad	Detection and classification of Breast mass using Support vector machine	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-issn 2287-8726	2017
54	Mrs. Rupali L. Telgad	Fingerprint recognition system for persons Identification using termination and bifurcation of minutiae	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-issn 2287-8726	2017
55	Mrs. Rupali L. Telgad	A Review: Biometric face recognition technique	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-issn 2287-8726	2017
56	Mrs. Rupali L. Telgad	A review : Li -Fi technology ,The future of Internet	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-issn 2287-8726	2017

57	Mrs. Rupali L. Telgad	Development of fracture detection system using classification technique	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-issn 2287-8726	2017
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59	Mrs. Rupali L. Telgad	Students Participations in Quality Enhancement ,through self evaluation	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978-81-932810-2-4	2017
60	Mrs. Rupali L. Telgad	Effective teaching Learning process by using computer based teaching tool of computer graphics algorithms	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978-81-932810-2-4	2017
61	Mrs. Rupali L. Telgad	Face Recognition by using PCA and NN approach	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
62	Mrs. Rupali L. Telgad	Breast Mass Segmentation Using seed based region growing technique	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
63	Mrs. Rupali L. Telgad	Feature level fusion for fingerprint using neural network for persons identification	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
64	Mr. Sanjay Y. Azade	Cloud Computing Model for Accession of data Through Virtual Computing Lab: An	International Journal of Linguistics and Computational Applications	ISSN 2394-6385(Print) ISSN 2394-6393(Online)	2015

		Overview			
65	Dr. Satish R. Sankaye	Human Perception and Recognition of Musical Instruments: A Review	International Journal of Computer Applications Technology and Research	ISSN:- 2319-8656	2015
66	Dr. Satish R. Sankaye	Perspective Identification of Indian Musical Instrument Ghan and Sushir Vadya	International Journal of Computer Science and Information Technologies	ISSN:0975-9646	2015
67	Dr. Satish R. Sankaye	Indian Musical Instrument Recognition Using Modified LPC Feature	International Journal of Computer Applications	(0975-8887)	2015
68	Dr. Satish R. Sankaye	Indian Musical Instrument Recognition Using Modified LPC and LPI	International Journal of Advanced Research in Computer and Communication Engineering		2015
69	Dr. Satish R. Sankaye	Musical Instrument Detection of Sushir Vadya using MFCC	International Journal of Advances in Management, Technology & Engineering Sciences		2012
70	Dr. Satish R. Sankaye	automatic Recognition of the Tabla Bols Using LPI Feature	IJCA		2017
71	Dr. Satish R. Sankaye	Indian Musical Instrument Recognition based on MFCC Feature Set	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
72	Rita B. Patil,	Development of Iris Recognition System for Person Identification	IJRIT		2015
73	S. V. Satonkar	Fusion of Digital Signature and Fingerprint Watermarking using bit-plane slicing	IJCT		2015
74	Apurva Dhawale	Fingerprint and Palmprint recognition using Neighbourhood operation and FAST features	IJCA		2014
75		Fusion of Iris and Palmprint traits for Human Identification	IJCT		2015
76	Mr. Bharat R. Naiknaware	Prediction of Popular Content from Social Media: A Review	IJCSIT	ISSN 0975-9646	2015

77	Mr. Bharat R. Naiknaware	Sentiment Analysis of Indian Government Schemes Using Twitter Datasets	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
78	Mr. Bharat R. Naiknaware	comparative study of Predicting Content from Social Media Mining	IJCA		2017
79	Dr. Majharodin M. Kazi	Hyper Spectral Face Recognition Using KPCA	International Journal of Scientific & Engineering Research(IJSER)	ISSN 2229-5518	2016
80	Dr. Majharodin M. Kazi	Hyper Spectral Face Recognition using Gabor + KPCA	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
81	Dr. Majharodin M. Kazi	Performance Evaluation on KVKR- Face Database using Multi Algorithmic Multi Sensor Approach	IJCA		2017
82	Mrs. Pramodini A. Punde	Future Diagnostic in Glaucoma using eye Tracking Technology	IJMTER		2015
83	Ms. Deepali Sawane	Story Summarization using Text Compactor	IJCA		2017
84	Ms. Deepali Sawane	A Survey on Extractive Text Summarization and Abstractive Text Summarization	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
85	Ms. Deepali Sawane	Rule Based Question Generation For Marathi Text Summarization Using Rule Based Stemmer	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
86	Ms. Swapna G. Kadam	Internet of Things (IoT)	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
87	Ms. Swapna G. Kadam	Issues & Solutions of SAAS Model in Cloud Computing	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
88	Ms. Pushpa B. Rajegore	Internet of Things (IoT)	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017

89	Ms. Pushpa B. Rajegore	Issues & Solutions of SAAS Model in Cloud Computing	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
90	Ajitkumar M. Pundge	Question Answering System, Approaches and Techniques: A Review	International Journal of Computer Applications	0975 – 8887	2016
91	Ajitkumar M. Pundge	Similarities in words Using Different Postaggers	IOSR Journal of Computer Engineering (IOSR-JCE)	E-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
92	Ajitkumar M. Pundge	Multicore Programming Performance and Analysis	International journal of research in computer application and management	ISSN 2231-1009	2013
93	Ashish A. Bhalerao	Predicting Sentiment of User Reviews	International Research Journal of Engineering and Technology (IRJET)	ISSN: 2395-0056	2016
94	Ashish A. Bhalerao	Predicting Sentiment of Tweets	International Research Journal of Engineering and Technology (IRJET)	ISSN: 2395-0055	2016
95	Ashish A. Bhalerao	Movie-Sent' System: A Sentiment Classification Using Naive bayes and Support Vector Machine Techniques	International Journal of Innovative Research in Computer and Communication Engineering	ISSN: 2320-9801	2016
96	Ashish A. Bhalerao	SentiView: A Lexicon Based Approach for Twitter Sentiment Analysis	International Journal of Innovative Research in Computer and Communication Engineering	ISSN: 2320-9801	2016
97	Ashish A. Bhalerao	Opinion Mining from Multi-domain User Reviews Using Sentiment Analysis	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661, p-ISSN: 2278-8727	2017
98	Ashish A. Bhalerao	Comparative Study of Sentiment Analysis Approaches on different dataset Using Machine learning Techniques	IJCA Journal		2016
99	Nirupama S. Ptodkar	An Overview of Comparison Between Different Image Processing Techniques for Dental Radiographs	IJERT	ISSN-2278-0181	2013
100	Nirupama S. Ptodkar	Study and Analysis of Edge Detection Techniques for Segmentation Using	International Journal Of Engineering And Computer Science	ISSN:2319-7242	2014

		Dental Radiograph			
101	Dayanan d B. Gore	Ear Recognition Techniques for Biometrics Using Digital Image Processing: A Review	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661,p- ISSN: 2278- 8727	2017
102	Sonal V. Satonkar	Overview of Watermarks,Fingerprint s and Digital Signatures	IJERT	ISSN 2278- 0181	2013
103	Sonal V. Satonkar	Fusion of Digital Signature &Fingerprint Watermarking using Bit Plane Slicing	IJCT	ISSN 2394- 2231	2015
104	Sonal V. Satonkar	Fingerprint Watermarking Using Bit Plane Slicing	IOSR	P-ISSN 2287-8727	2017
105	Sonal V. Satonkar	An Overview Of Cloud Computing Cryptography	IJAMTEC	ISSN 2249- 7455	2012
106	Vijay K. Kale	Voice Based Biometric System Feature Extraction Using MFCC and LPC Technique	International Journal of Advanced Engineering Research and Science (IAERS)	ISSN: 2349- 6495	2016
107	Vijay K. Kale	Text-Dependent Speaker Recognition System Using MFCC	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278- 0661, p- ISSN: 2278- 8727	2017
108	Vijay K. Kale	Development of English Language Isolated Words' Corpus and Views on Recognition Methods	International Journal of Innovative Research in Technology & Science (IJRTS),	ISSN: 2321- 1156	2013
109	Vijay K. Kale	Heart Based Biometrics and use of Heart Rate Variability in Human Identification Systems	Advanced Computing and System for Security		2014
110	Vaishali Kumbhak arna	Nuchal Translucency(NT) Detection For Chromosomal Abnormalities From Ultrasound Fetal Images	International Journal of Medical Engineering and information Technology	ISSN 2348 – 196x	2015
111	Vaishali Kumbhak arna	Review on Speckle Noise Reduction Techniques For Medical Ultrasound Image Processing	International Journal of Computer TechniquesIJCT	ISSN 2394- 2331	2015

112	Vaishali Kumbhakar	Prevention of misuse of ultrasound for sex determination using Matlab Techniques	IJAMTES	ISSN 2249-7455	2012
113	Vaishali Kumbhakar	Recent Developing Domain in Computer Science and Application of Digital Image Processing	IOSR	P-ISSN 2287-8727	2017
114	Rita B. Patil	Comparative performance analysis of Feature extraction techniques of Iris recognition	IOSR Journal		2017
115	Rita B. Patil	Feature extraction of Iris based on detection of high energy ridges .	International journal of computer applications.	0975-8887	2016
116	Rita B. Patil	A Review on Feature extraction Techniques of Iris	IJERT	2278-0181	2013
117	Apurva Dhawale	Fingerprint and Palm print Recognition using neighborhood operation and FAST features	International Journal of Computer Applications	0975-8887	2014
118	Apurva Dhawale	Fingerprint Watermarking using Bit plane slicing	IOSR Journal of Computer Engineering (IOSR-JCE)	2278-0661	2017
119	Apurva Dhawale	Multimodal Biometric System Design Using Iris, Fingerprint & Palm print Traits for Human Identification	IOSR Journal of Computer Engineering (IOSR-JCE)	2278-0661	2017
120	Apurva Dhawale	Fusion of Iris and Palm print Traits for Human Identification	International Journal of Computer Techniques	2394-2231	2015
121	Ashok Sangle	Morphometric Analysis of Watershed using GIS and RS: A Review	International Journal of Engineering Research & Technology (IJERT)	e-ISSN:2278-0181	2014
122	Ashok Sangle	Morphometric Analysis of Watershed of Sub-drainage of Godavari River in Marathwada, Ambad Region by using Remote Sensing	International Journal of Computer Applications (IJCA)		2015
123	Ashok Sangle	Morphometric Analysis of Godavari River - Sub - Drainage in	International Organization for Scientific Research Journal of Computer	e - ISSN: 2278 – 0661, p - ISSN:	2017

		Marathwada Region by Using Srtm Data Set	Engineering (IOSR-JCE)	2278 – 8727.	
124	Sanjay A. Azade	Multicore Programming Performance and Analysis	International journal of research in computer application and management	ISSN 2231-1009	2013
125	Sanjay A. Azade	Impact of Virtualization on calculating cost factors of Cloud Computing	International Journal of Advance Scientific Research and Engineering,	E- ISSN:2456-0774	2016
126	Sanjay A. Azade	Soft computing techniques for software effort estimation: comparative study using COCOMO model	International Organization for Scientific Research Journal of Computer Engineering (IOSR-JCE)	e - ISSN: 2278 – 0661, p - ISSN: 2278 – 8727.	2017
127	Dr. P. D. Deshmukh	Mammogram image augmentation with an assortment of morphological Methods	99th Indian Science Congress		2012
128	Dr. P. D. Deshmukh	Review: Biometric fusion using biometric traits	International Conference On recent trends in Computer science and Information Technology, Mumbai		2012
129	Dr. P. D. Deshmukh	Computer Aided Technique To Detect Breast Cancer At Earlier Stage: Step to Decline Mortality Rate Amongst Women	100th Indian Science Congress, Kolkata		2013
130	Dr. P. D. Deshmukh	Zernike Moment Feature Extraction for Handwritten Devanagari Compound Character Recognition	IEEE Science and information Conference 2013, London, UK		2013
131	Dr. P. D. Deshmukh	Isolation of breast cancer accumulation in Mammograms for improving Radiologists analysis	ICCEE2013, Paris, France		2013
132	Dr. P. D. Deshmukh	Multimodal Biometric System Using Finger Knuckle and Nail: A Neural Network Approach	ICCEE2013, Paris, France		2014
133	Dr. P. D. Deshmukh	Review :Biometric fusion using Biometric Traits	International conference on recent trends in I.T. and Computer Science	ISBN :978-81-922878-2-8	2012

134	Dr. P. D. Deshmukh	Detection of breast cancer cells using Nanoparticles	National conference on “Current trends in Chemical Research organized by Department of Chemistry, Vasantrya Naik Mahavidyalaya, Aurangabad,	ISBN No. 978- 81-921647-1-7	2012
135	Dr. P. D. Deshmukh	A Survey of Image Processing Algorithms for Detecting Microcalcification in Mammogram Images	National Level Conference on “Trends in Advanced Computing and Information Technology (TACIT – 2012) Organized by St. Vincent Pallotti College of Engineering and Technology, Nagpur, India		2012
136	Dr. P. D. Deshmukh	Common approaches to fracture detection system of longitudinal bone femur: A review	national conference on advances in computing (NCAC-13), held at school of computer sciences, NMU Jalgaon(India)		2013
137	Dr. P. D. Deshmukh	Limitations of Biometrics: Multi-modal Approach	International Interdisciplinary Conference on Recent Trends in commerce Management, Engineering, Technology and Social Sciences Organized by Choice College of Art’s and Commerce		2013
138	Dr. P. D. Deshmukh	A review of automatic speaker recognition system	International conference on current trends and challenges in management, engineering, computer application and technology		2014
139	Dr. P. D. Deshmukh	Detecting lesions in mammogram image with filtering techniques for detecting cancer	101 st Indian science congress, Jammu		2014
140	Dr. P. D. Deshmukh	Fingerprint recognition using neural network approach	101 st Indian science congress.Jammu		2014
141	Dr. P. D. Deshmukh	Role of mammography, Ultrasound, Elastography in breast cancer detection at earlier stage	Prescience congress 2015, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad		2015
142	Dr. P. D. Deshmukh	Visual Enhancement of Mammogram Image	102 nd Indian science congress, Mumbai		2015

	h	using Discrete Fourier Transform	University, 2015 Mumbai		
143	Dr. P. D. Deshmukh	Breast Cancer Diagnosis: Analyzing Image Mining Techniques on Mammogram	102 nd Indian science congress, Mumbai University, 2015 Mumbai		2015
144	Dr. P. D. Deshmukh	Clustering of Breast Cancer Tumor using Third order GLCM feature	International Conference on Green Computing and Internet of Things, Delhi,India		2015
145	Dr. P. D. Deshmukh	A Study of Person Identification Through Gait Recognition	103 rd Indian Science Congress International Conference, Mysore January 2016.		2016
146	Dr. P. D. Deshmukh	A Computer Aided detection of Human Base on Voice and Iris Biometric: review	103 rd Indian Science Congress International Conference, Mysore January 2016.		2016
147	Dr. P. D. Deshmukh	Development of secure Multimodal Biometric system by using Score Level Fusion of Face, Fingerprint and Iris Modalities	103 rd Indian Science Congress International Conference, Mysore January 2016.		2016
148	Dr. P. D. Deshmukh	Feature Level Fusion Technique for Person Identification using Fingerprint and Iris	103 rd Indian Science Congress International Conference, Mysore January 2016.		2016
149	Dr. P. D. Deshmukh	Development of Iris Feature Extraction system by using Wavelet	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		2017
150	Dr. P. D. Deshmukh	Detection and classification of Breast mass using Support vector machine	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		2017

151	Dr. P. D. Deshmukh	Fingerprint recognition system for persons Identification using termination and bifurcation of minutiae	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		2017
152	Dr. P. D. Deshmukh	Development of fracture detection system using classification technique	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		2017
153	Dr. P. D. Deshmukh	Study of variation in the effective Automic Number	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978-81-932810-2-4	2017
154	Dr. P. D. Deshmukh	Students Participations in Quality Enhancement ,through self evaluation	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978-81-932810-2-4	2017
155	Dr. P. D. Deshmukh	Effective teaching Learning process by using computer based teaching tool of computer graphics algorithms	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978-81-932810-2-4	2017
156	Dr. P. D. Deshmukh	Face Recognition by using PCA and NN approach	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
157	Dr. P. D. Deshmukh	Breast Mass Segmentation Using seed based region growing technique	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016

158	Dr. P. D. Deshmukh	Feature level fusion for fingerprint using neural network for persons identification	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
159	Dr. P. D. Deshmukh	Common approaches to fracture detection system of longitudinal bone femur: A review	Third National Conference on advances in computing (NCAC -2013), held at school of computer sciences, NMU Jalgaon		2013
160	Dr. P. D. Deshmukh	Limitations of Biometrics: Multimodal Approach	International conference on Current trends and challenges in Management, Engineering, Computer application and Technology. (ICCTCMECAT, 2012		2012
161	Dr. P. D. Deshmukh	Fingerprint recognition using neural network approach	Proceedings of the 101st Indian Science Congress Section of Information & Communication Science & Technology		2014
162	Dr. P. D. Deshmukh	Feature Level Fusion for Fingerprint using Neural Network for Person Identification	2 nd International conference on Cognitive Knowledge Engineering (ICKE – 2016)	ISBN. No. 978-93-80876-89-4.	2016
163	Dr. P. D. Deshmukh	fingerprint Recognition System for Person Identification using Termination and Bifurcation Minutiae	International Conference on Recent Advances in Computer Science, Engineering and Technology, organized by MGM Dr. G. Y. Pathrikar College of Computer Science & Information Technology, Aurangabad	P-ISSN 2287-8727.	2017
164	Dr. P. D. Deshmukh	A Computer Aided Detection of Human based on Voice and Iris Biometric: A Review	103 rd Indian Science Congress International Conference, University of Mysore, Mysuru		2016
165	Dr. P. D. Deshmukh	Iris Image Feature Extraction Using Gaussian Filter for Person Identification	2 nd International conference on Cognitive Knowledge Engineering (ICKE – 2016)	ISBN. No. 978-93-80876-89-4.	2016
166	Dr. P. D. Deshmukh	A Securing Biometric Approach for Smart Homes Using Internet of Things	104 th Indian Science Congress International Conference, University of Turapati , Turapati		2017

167	Mrs. Rupali L. Telgad	The Era of Digital Jewellery with mobile computing	8th National conference on Advances in I.T. and mgt - 2012 held at Chalisgaov affiliated to north Maharashtra university		2012
168	Mrs. Rupali L. Telgad	A statistical Study : A Case of Biometric Trait	NC3IT 2012		2012
169	Mrs. Rupali L. Telgad	Brain Computer Interface	8th National conference on Advances in I.T. and mgt - 2012 held at Chalisgaov affiliated to north Maharashtra university		2012
170	Mrs. Rupali L. Telgad	Review on different trends used for hand written scripts in Pattern Recognition	International conference on current trends and challenges in management, Engineering and computer Application and technology 2012, paper entitle		2012
171	Mrs. Rupali L. Telgad	Descriptive Data Model of clustering using Weka tool	8th National conference on Advances in I.T. and mgt - 2012 held at Chalisgaov affiliated to north Maharashtra university		2012
172	Mrs. Rupali L. Telgad	Review : Biometric fusion using Biometric traits	International conference on recent trends in I.T. and Computer Science	ISBN :978-81-922878-2-8	2012
173	Mrs. Rupali L. Telgad	Artificial Intelligence: A Formal task using game playing	8th National conference on Advances in I.T. and mgt - 2012 held at Chalisgaov affiliated to north Maharashtra university		2012
174	Mrs. Rupali L. Telgad	An Efficient Technique For Feature Extraction: Fingerprint Template	Dept. of CS and IT Dr. B. A. M. U. Aurangabad		2013
175	Mrs. Rupali L. Telgad	Minutiae Based Automated Fingerprint feature Extraction Technique for Identification System	Dept. of CS and IT Dr. B. A. M. U. Aurangabad		2013
176	Mrs. Rupali L. Telgad	Finger print recognition using Neural Network approach	101 st Indian science congress, Jammu		2014
177	Mrs. Rupali L. Telgad	Combination Approach to Score Level Fusion for Multimodal Biometric system by using Face and	IEEE international conference on Recent Advance and Innovation in Engineering (ICRAIE 2014). May 9-11 ,2014		2014

		Fingerprint	Jaipur ,Rajasthan.		
178	Mrs. Rupali L. Telgad	Survey: iris feature extraction techniques for persons recognition system	National conference on Innovations in computer Application NCICA: 2015,held 23 and 24 Jan 2015.		2015
179	Mrs. Rupali L. Telgad	Iris recognition for person Identification using Neural Network application	National conference on Innovations in computer Application NCICA: 2015,held 23 and 24 Jan 2015.		2015
180	Mrs. Rupali L. Telgad	Development of an efficient Biometric system for recognition by using Face, Fingerprint and iris modalities	Indian Science congress. January 2016		2016
181	Mrs. Rupali L. Telgad	Development of Iris Feature Extraction system by using Wavelet	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		2017
182	Mrs. Rupali L. Telgad	Detection and classification of Breast mass using Support vector machine	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		2017
183	Mrs. Rupali L. Telgad	Fingerprint recognition system for persons Identification using termination and bifurcation of minutiae	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		2017
184	Mrs. Rupali L. Telgad	A Review: Biometric face recognition technique	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February		2017

			2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		
185	Mrs. Rupali L. Telgad	A review : Li -Fi technology ,The future of Internet	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		2017
186	Mrs. Rupali L. Telgad	Development of fracture detection system using classification technique	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		2017
187	Mrs. Rupali L. Telgad	Study of variation in the effective Automic Number	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978- 81-932810- 2-4	2017
188	Mrs. Rupali L. Telgad	Students Participations in Quality Enhancement ,through self evaluation	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978- 81-932810- 2-4	2017
189	Mrs. Rupali L. Telgad	Effective teaching Learning process by using computer based teaching tool of computer graphics algorithms	Two days national level seminar on Quality Sustenance and Quality enhancement at institutional level	ISBN 978- 81-932810- 2-4	2017
190	Mrs. Rupali L. Telgad	Face Recognition by using PCA and NN approach	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
191	Mrs. Rupali L. Telgad	Breast Mass Segmentation Using seed based region growing technique	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar		2016

			Marathwada University Aurangabad		
192	Mrs. Rupali L. Telgad	Feature level fusion for fingerprint using neural network for persons identification	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
193	Dr. Satish R. Sankaye	Human Perception for Recognition of Indian Musical Instruments Using LPC and LPI	Proceeding of the 103 rd Indian Science Congress, Section of ICT, Page No. 54, Jan' 2016, Mysore.		2016
194	Mr. Bharat R. Naiknaw are	Tracking the Website Real Time Activity Using Google Analytics	NCEITCS – 2014 under TEQIP-II, being organized by the Department of Computer Science & Engineering, Vasavi College of Engineering to be held during April 1-2, 2014, Hyderabad.		2014
195	Dr. M. M. Kazi	Multi Sensor, Multi Algorithm Based Face Recognition & Performance Evaluation	IEEE, International Conference on Global Trends in Signal Processing, Information Computing and Communication (ICSPICC) , SSBT's College of Engineering and Technology, Bambhori, Jalgaon, Maharashtra, India 22-24 December 2016		2016
196	Dr. M. M. Kazi	Single Electrode Brain Signal Data Fusion for Security	IEEE, International Conference on Global Trends in Signal Processing, Information Computing and Communication (ICSPICC) , SSBT's College of Engineering and Technology, Bambhori, Jalgaon, Maharashtra, India 22-24 December 2016		2016

197	Dr. M. M. Kazi	Hyper Spectral Face Image Based Biometric Recognition	IEEE, International Conference on Global Trends in Signal Processing, Information Computing and Communication (ICSPICC), SSBT's College of Engineering and Technology, Bambhori, Jalgaon, Maharashtra, India 22-24 December 2016	2016
198	Dr. M. M. Kazi	Brain Signal Data for Security Purpose using Electroencephalography	International conference on cognitive knowledge engineering, Dept. of Comp. Sci. & IT. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, India, 21-23 Dec 2016	2016
199	Dr. M. M. Kazi	Hyper Spectral Face Recognition Using KPCA	UGC Sponsored National Conference on Recent Trends in Image Processing and Pattern Recognition(RTIP2R), Karnatak Arts, Science and Commerce College, Bidar, Karnataka, 2-3 April 2016 (Delphi Index)	2016
200	Dr. M. M. Kazi	Hyper Spectral Face Recognition Using KPCA	Proceedings of International Symposium on Global Engineering Education, Tokushima University, Japan, pp. 37-39, 8 March, 2016.	2016
201	Dr. M. M. Kazi	Hyperspectral Face Recognition	National Conference on Advances in Computing and Management, Padmashree Dr. D. Y. Patil Institute of Master of Computer Applications, Akurdi, Pune, 29-30 January 2016	2016
202	Ajitkumar M. Pundge	Software effort estimation by applying fuzzy logic approach to cocomo model	International conference on current trends and challenges in management, engineering, computer application and technology, ICCTCMECA	2012

			T 2012		
203	Ajitkumar M. Pundge	Review on text to speech synthesis	National Conference on innovative Practices in business management and information technology new millennium, Rajershi shahu institute of Managament Aurangabad		2014
204	Ajitkumar M. Pundge	online learning different approaches and necessity for assessment	International conference on recent trends and challenges in science and Technology (RTCST2014) on 20-22 August 2014 at padmashri vikhe patil college of Arts, science and commerce, pravaranagar Ahmednagar (MS), India.		2014
205	Ajitkumar M. Pundge	Study of Computational linguistic Essential for E-learning	National Workshop on Methodology on Education Research, organized by Sub Center Dr. Babasaheb Ambedkar Marathwada university, Osmanabad		2014
206	Ajitkumar M. Pundge	Mobile Learning for Education in 21 st Century	National Workshop on Methodology on Education Research, organized by Sub Center Dr. Babasaheb Ambedkar Marathwada university, Osmanabad		2014
207	Ashish A. Bhalerao	Opinion Mining from Multi-domain User Reviews Using Sentiment Analysis	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	P-ISSN 2287-8727.	2017
208	Ashish A. Bhalerao	Comparative Study of Sentiment Analysis Approaches on different dataset Using Machine learning Techniques	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016

209	Nirupama .S. Ptodkar	Automated Feature Extraction In Dental Radiograph Using Image Processing Techniques	International Conference on Recent Advances in computer Science Engineering and Technology	P-ISSN 2287-8727.	2017
210	Nirupama .S. Ptodkar	Comparative Performance Analysis of Feature Extraction Techniques of Iris Recognition	International Conference on Recent Advances in computer Science Engineering and Technology	P-ISSN 2287-8727.	2017
211	Nirupama .S. Ptodkar	Student Support Services: Impact on Students Social and Academic Growth	National Seminar on Quality Sustenance and Quality Enhancement by IQAC at Institution Level	ISBN 978-81-932810-2-4	2017
212	Nirupama .S. Ptodkar	Flipped Classroom: A Reverse Approach of Traditional Pedagogical Model For Higher Educational Institutes	National Seminar on Quality Sustenance and Quality Enhancement by IQAC at Institution Level	ISBN 978-81-932810-2-4	2017
213	Nirupama .S. Ptodkar	Comparison of Enhancement Techniques for the Betterment of Dental Radiograph	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
214	Nirupama .S. Ptodkar	Feature Extraction of Iris Based on Detection of High Energy Ridges	Three days International conference on I.C.K.E. organized by Dept. of Computer Science and IT , Dr. Babasaheb Ambedkar Marathwada University Aurangabad		2016
215	Nirupama .S. Ptodkar	Cloud Computing Cryptography	International Conference ICCTCMECAT-2012 Aurangabad		2012
216	Nirupama .S. Ptodkar	A Review on Automatic Speaker Recognition System	International Conference ICCTCMECAT-2012 Aurangabad		2012
217	Dayanand B. Gore	Ear Recognition Techniques for Biometrics Using Digital Image Processing: A Review	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad	p-ISSN: 2278-8727	2017

218	Vijay K. Kale	Isolated English words Recognitions spoken by Non-Native speakers	Second International Conference on Advances in communication Technology		2014
219	Vijay K. Kale	A Computer Aided Detection of Human based on Voice and Iris Biometric: A Review	103 rd Indian Science Congress International Conference, University of Mysore, Mysuru		2016
220	Vijay K. Kale	Iris Image Feature Extraction Using Gaussian Filter for Person Identification	2 nd International Conference on Cognitive Knowledge Engineering	ISBN.No.97 8-93-80876-894	2016
221	Vijay K. Kale	A Securing Biometric Approach for Smart Home Using Internet of Things	104 th Indian Science Congress International Conference, University of Turapati		2017
222	Vijay K. Kale	Recognition of Marathi Isolated words Using Interpolation and DTW Techniques	48 th Annual Convension of CSI-Volume-1, Advances in Intelligence System and computing		2014
223	Sanjay A. Azade	Software effort estimation by applying fuzzy logic approach to cocomo model	International Conference on Current Trends and Challenges in Management, Engineering, Computer Application and Technology, ICCTCMECAT- 2012		2012
224	Sanjay A. Azade	Musical Instrument Detection of sushir vadya using MFCC	International Conference on Current Trends and Challenges in Management, Engineering, Computer Application and Technology, ICCTCMECAT- 2012		2012
225	Sanjay A. Azade	A Review of Software effort and cost estimation using soft computing	2 nd International Conference on Cognitive Knowledge Engineering		2016
226	Sanjay A. Azade	Soft computing techniques for software effort estimation: comparative study using COCOMO model	Three days International conference on Recent Advances in Computer Science Engineering and Technology 2 -4 February 2017 organized by MGM Dr. G. Y. Pathrikar College of cs and IT Aurangabad		2017

ANNEXURE II –ISO certification

S & A CERTIFICATIONS

Certificate of Registration & Approval Awarded to

**Mahatma Gandhi Mission's
Dr. G.Y. Pathrikar College of Computer Science
and Information Technology.**

MGM Campus, N-6, CIDCO, Aurangabad – 431003, Maharashtra, India.

The **Environment Management System** has been assessed successfully and found to comply with the requirements of the International Standard.

ISO 14001:2004.

Scope of Certification

The College offers graduate and post graduate degree courses in Computer Science and Information Technology affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Certificate Number : **S & A Certifications 02/02/ EMS / 02 / 16-17**

1 st Surveillance Audit: January 2018	Certification Audit Date : 08/02/2017
2 nd Surveillance Audit: January 2019	Issue Date : 14/02/2017
	Expiry Date : 13/02/2020

Certificate Valid till 13.02.2020 only if Conversion to ISO 14001:2015 performed before 15th September 2018

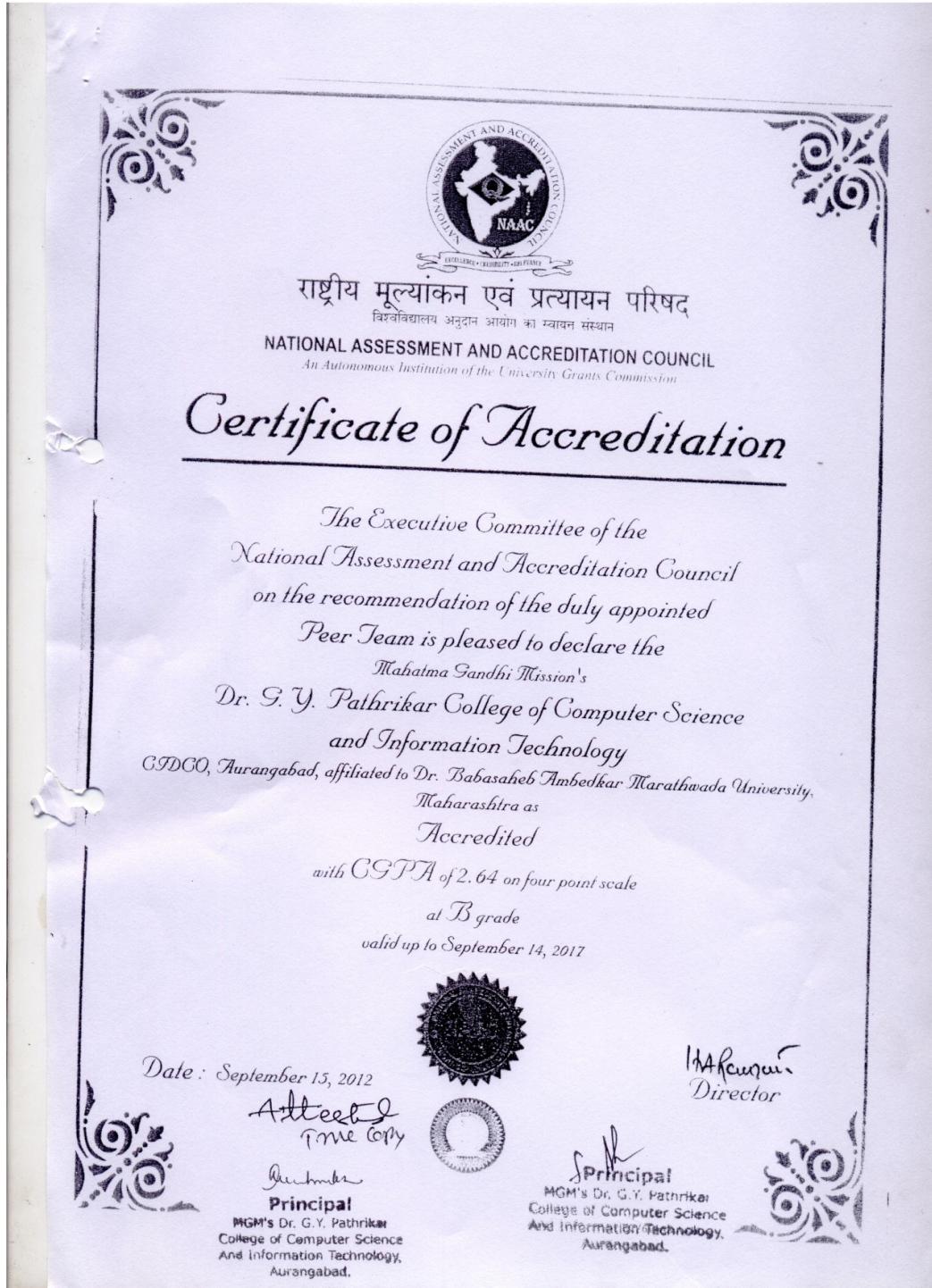


Mr. Shrinivas Joshi
(Authorised Signatory) S & A Certifications



The Validity & the Traceability of the Certificate can be verified on the website www.sandacertifications.com
Global Corporate Office :- Woody House 212-224 Ferries Avenue, London, UK.
Continuity from Certificate No. 140124029101. Expiry Date. 23.01.2017. Issued by TNV Certification Pvt Ltd.

ANNEXURE III-NAAC certification





राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

प्रो. एच. ए. रंगनाथ
निदेशक

Prof. H.A. Ranganath

Director FASc, FNASc, FEAL, FNA.
NAAC/A&AOC/EC-61/16/2012/

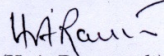
September 17, 2012

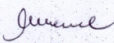
The Principal
Mahatma Gandhi Mission's
Dr. G. Y. Pathrikar College of Computer Science
and Information Technology
N-6, CIDCO
Aurangabad - 431003
Maharashtra

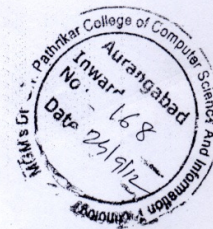
Dear Principal,

I am glad to inform you that the outcome of the Assessment and Accreditation exercise of your institution has been processed and approved by the Executive Committee of NAAC and your institution has been **Accredited** for a period of five years with a **CGPA of 2.64** on a four point scale at **B Grade** valid from 15/09/2012. The provisional certificate of accreditation will be sent to you shortly. However, the original certificate of accreditation with the quality profile will be presented to the heads of accredited institutions during the "NAAC Accreditation Awards Ceremony" to be convened in due course. I am sure the detailed peer team report given to you already by the peer team will enable the institution to initiate further quality enhancement measures.

With best wishes,
Yours sincerely,


(H. A. Ranganath)


Principal
MGM's Dr. G. Y. Pathrikar
College of Computer Science
And Information Technology,
Aurangabad.



पि ओ बॉक्स नं. 1075, नागरभावी, बंगलूर - 560 072, भारत P.O.Box No. 1075, Nagarbhavi, Bangalore - 560 072, INDIA

दूरभाषा Phone : +91-80-23210267, 23005112, 114, 115, Fax : +91-80-23210268

ई-मेल : e-mail: director.naac@gmail.com वेबसाइट Website : www.naac.gov.in



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Quality Profile


Name of the Institution : Mahatma Gandhi Mission's
Dr. G. Y. Pathrikar College of Computer Science and Information Technology
Place : CIDCO, Aurangabad, Maharashtra

Criteria	Weightage (W _i)	Criterion-Wise Grade Point Averages (C _r , GPA)	W _i X C _r , GPA
I. Curricular Aspects	050	2.50	125
II. Teaching-Learning and Evaluation	450	2.62	1179
III. Research, Consultancy and Extension	100	2.65	265
IV. Infrastructure and Learning Resources	100	2.65	265
V. Student Support and Progression	100	2.70	270
VI. Governance and Leadership	150	2.83	425
VII. Innovative Practices	050	2.30	115
Total	$\sum_{i=1}^7 W_i = 1000$		$\sum_{i=1}^7 (W_i \times C_r, GPA) = 2644$

$$\text{Institutional Score} = \frac{\sum_{i=1}^7 (W_i \times C_r, GPA)}{\sum_{i=1}^7 W_i} = \frac{2644}{1000} = 2.64$$

Grade = **B** Descriptor = **GOOD**

Date : September 15, 2012



HARAJI
Director

Attested
Principal

MGM's Dr. G. Y. Pathrikar
College of Computer Science
And Information Technology, MGM's Dr. G. Y. Pathrikar
Aurangabad.

MGM's Dr. G. Y. Pathrikar
College of Computer Science
And Information Technology, MGM's Dr. G. Y. Pathrikar
Aurangabad.

- This certification is valid for a period of Five years with effect from September 15, 2012
- An institutional CGPA on four point scale in the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)
- Scores rounded off to the nearest integer

ANNEXURE IIII- EMS certification




ANNEXURE V- 2(F)and 12(B)

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 414 (CPP-I Colleges)
UGC Website: www.ugc.ac.in
F. No. 8-354/2014 (CPP-I/C)

The Registrar,
Dr. Babasaheb Ambedkar Marathwada University
Aurangabad – 431 004
Maharashtra



SPEED POST

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

May, 2016

9 MAY 2016

Sub: Recognition of College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter no. MGM/GYPCCSIT/2016/1337 dated 18.03.2016 received from the Principal, MGM's Dr. G. Y. Pathrikar College of Computer Science and Information Technology, N – 6, CIDCO, Aurangabad – 431 001, Maharashtra on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **permanently** affiliated to **Dr. Babasaheb Ambedkar Marathwada University, Aurangabad**. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head **'Non-Government, self financed** Colleges teaching upto **Master's Degree**:-

Name of the College	Year of Establishment	Remarks
MGM's Dr. G. Y. Pathrikar College of Computer Science and Information Technology, N – 6, CIDCO, Aurangabad – 431 001, Maharashtra. AISHE CODE:- C-34529	2001	The College is now declared fit to receive Central assistance in terms of Rules framed under Section 12 (B) of the UGC Act, 1956. However, the College, being a self financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8 th July 2011.

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

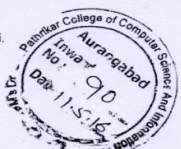
Yours faithfully,

(Charan Dass)
Under Secretary

Copy to:-

- ✓ The Principal, MGM's Dr. G. Y. Pathrikar College of Computer Science and Information Technology, N – 6, CIDCO, Aurangabad – 431 001, Maharashtra.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi - 110 001.
3. The Principal Secretary, Tech. & Higher Education Deptt. Government of Maharashtra, Mantralaya, Annexe Building, Mumbai – 400 032, (Maharashtra).
4. The Joint Secretary, UGC, Western Regional Office (WRO), Ganeshkhind, Poona – 411 007, (Maharashtra).
5. Publication Officer (UGC-Website), New Delhi.
6. Section Officer (FD-III Section), UGC, New Delhi.
7. Guard file.

(M.P. Singh)
(M.P. Singh)
Section Officer



ANNEXURE VI- Placement detail of students

Sr.no.	Student's Name	Course	Designation	Company	Year
1	Habib Molla	B.Sc.(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
2	Simi Jacob	B.Sc.(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
3	Sheetal Jadhav	B.Sc.(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
4	Ayesha Kazi	B.Sc.(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
5	Akhata Bhurewar	B.Sc.(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
6	Saroj Theng	B.Sc.(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
7	Charmy Patanwadia	B.Sc.(I.T.)	Asst. S/W Engineer	Wipro Infotech	2012
8	Swati Deshpande	B.Sc.(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
9	Pranli Gaikwad	B.Sc.(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
10	Shruti Kulkarni	B.Sc.(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
11	Shaikh Imran	B.Sc.(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
12	Raghvendra Rajput	B.Sc.(I.T.)	Asst. S/W Engineer	Wipro Infotech	2012
13	Sheetal Jadhav	B.Sc.(C.S.)	Associate	Wipro	2012
14	Ayesha Kazi	B.Sc.(C.S.)	Associate	Wipro	2012
15	Simi Jacob	B.Sc.(C.S.)	Associate	Wipro	2012
16	Neetu Nair	B.Sc.(C.S.)	Associate	Wipro	2012
17	Siddique Jowariya	B.Sc.(I.T.)	Associate	Wipro	2012
18	Swati Deshpande	B.Sc.(C.S.)	Asst. S/W Engineer	Patni Computers	2012
19	Apurva Deshpande	B.Sc.(C.S.)	Asst. S/W Engineer	Patni Computers	2012
20	Ayesha Kazi	B.Sc.(C.S.)	Asst. S/W Engineer	Patni Computers	2012
21	Ashwini Mhaske	B.Sc.(C.S.)	Asst. S/W Engineer	Patni Computers	2012

22	Bindesh Kushwaha	M.Sc(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
23	Shweta Joshi	M.Sc(C.S.)	Asst. S/W Engineer	Wipro Infotech	2012
24	Rupali Thube	M.Sc(C.S.)	Asst. S/W Engineer	New horizon	2012
25	Bindesh Kushwaha	M.Sc(C.S.)	Asst. S/W Engineer	New horizon	2012
26	Chaitali Manduale	BCA	Officer	Syntel	2013
27	Kushi Bharuka	BCA	Officer	Syntel	2013
28	Payal Mirikar	B.Sc. (C.S.)	Officer	Syntel	2013
29	Amurta Nalawade	B.Sc. (C.S.)	Officer	Syntel	2013
30	Sagar Patil	B.Sc. (C.S.)	Officer	Syntel	2013
31	Sayali Sonar	B.Sc. (C.S.)	Officer	Syntel	2013
32	Sumit Puranik	B.Sc. (C.S.)	Officer	Syntel	2013
33	Mukta kalburage	B.Sc. (I.T.)	Asst. S/W Engineer	TCS	2013
34	Ms. Sayali Dnyate	B.Sc. (I.T.)	Junior Tech. Eng.	Tech Mahindra	2013
35	Mr. Rushikesh C.Gite	B.Sc. (I.T.)	Junior Tech. Eng.	Tech Mahindra	2013
36	Ms. Rohan T Sethi	B.Sc. (I.T.)	Junior Tech. Eng.	Tech Mahindra	2013
37	Ms. Sanket V. Patnukar	B.Sc. (I.T.)	Junior Tech. Eng.	Tech Mahindra	2013
38	Ms. Sweety Bhariya	B.Sc. (I.T.)	Junior Tech. Eng.	Tech Mahindra	2013
39	Ms. Esha Anaspura	B.Sc. (I.T.)	Junior Tech. Eng.	Tech Mahindra	2013
40	Ms. Esha Anaspura	B.Sc.(C.S.)	Trainee Engineer	CMC Ltd.(TCS)	2013
41	Ms. Siddhi Joshi	B.C.A.	S/W Trainee Engineer	WIPRO	2014
42	Ms. Mitali Bhakare	B.C.A.	S/W Trainee Engineer	WIPRO	2014
43	Mr. Vaibhav Bhalekar	B.C.A.	S/W Trainee Engineer	WIPRO	2014
44	Mr. Abhishek Patil	B.C.A.	S/W Trainee Engineer	WIPRO	2014

45	Ms. Manisha Jangid	B.Sc.(C.S.)	S/W Trainee Engineer	WIPRO	2014
46	Ms. Vaibhavi Kulkarni	B.Sc.(C.S.)	S/W Trainee Engineer	WIPRO	2014
47	Mr. Pratik Vaykos	B.Sc.(C.S.)	S/W Trainee Engineer	WIPRO	2014
48	Mr. Shyam Patil	B.Sc.(C.S.)	S/W Trainee Engineer	WIPRO	2014
49	Mr. Nitin Balasaheb	B.Sc.(C.S.)	S/W Trainee Engineer	WIPRO	2014
50	Mr. Sumit Shinde	B.Sc.(C.S.)	Trainee Engineer	Infosys	2014
51	Mr. Sanket Madame	B.Sc.(C.S.)	Trainee Engineer	Infosys	2014
52	Ms. Pooja Joshi	B.Sc.(I.T.)	S/W Engineer	WIPRO Infotech	2014
53	Ms. Shimpli Kalse	B.Sc.(C.S.)	S/W Engineer	WIPRO Infotech	2014
54	Mr. Sujit	B.Sc.(I.T.)	S/W Engineer	WIPRO Infotech	2014
55	Ms. Mitali Bhakare	B.C.A	S/W Engineer	WIPRO Infotech	2014
56	Ms. Aishwarya Ganesh Pawar	B.C.A.	Project Engineer	WIPRO Infotech	2014
57	Mr. Mantri Shravan Ramnarayan	B.C.A.	Project Engineer	WIPRO Infotech	2014
58	Mr. Abhishek Patil	B.C.A.	Project Engineer	ATOS	2014
59	Ms. Apoorva Joshi	M.Sc. (C. S.)	Project Engineer	WIPRO GIS	2015
60	Mr. Ritesh	M.Sc. (C. S.)	Project Engineer	WIPRO GIS	2015
61	Ms. Sanika	B.Sc. (C. S.)	Project Engineer	WIPRO GIS	2015
62	Mr. Ajinkya Patay	B.Sc.(I.T.)	S/W Training	Infosys	2015
63	Ms.Suvarna Thorat	B.Sc.(C.S.)	S/W Training	Infosys	2015
64	Mr. Lohar Anurag Bhikanlal	B.C.A.	Asst.S/W Engineer	WIPRO WISTA	2015

65	Mr. Jadhav Sagar Shivaji	B.C.A.	Asst.S/W Engineer	WIPRO WASE	2015
66	Ms. Deshpande Tejashree Arvind	B.Sc.(C.S.)	Project Engineer	WIPRO GIS	2015
67	Jain Soham Sanjay	B.Sc.(C.S.)	Asst.S/W Engineer	WIPRO WISTA	2015
68	Takalkar Vishakha Nitin	B.Sc.(C.S.)	Asst.S/W Engineer	WIPRO WISTA	2015
69	Rajput Abhijeet Ganeshsing	B.Sc.(C.S.)	Asst.S/W Engineer	WIPRO WISTA	2015
70	Waghmare Ashwinee Sanjay	B.Sc.(C.S.)	Asst.S/W Engineer	WIPRO WISTA	2015
71	Waghmare Radhika Sanjay	B.Sc.(C.S.)	Asst.S/W Engineer	WIPRO WISTA	2015
72	Ms.Shital S.Katre	M.Sc(C.S.)	Asst.S/W Engineer	WIPRO WASE	2015
73	Shrivastava Mansi Sanil	B.Sc.(C.S.)	Junior Software Engineer	Tech Mahindra	2015
74	Priyanka Daithankar	B.Sc.(C.S.)	S/W Trainee	KPIT	2015
75	Amitkumar Marmat	B.Sc.(I.T.)	S/W Trainee	KPIT	2015
76	Ajinkya Patay	B.Sc.(I.T.)	S/W Trainee	KPIT	2015
77	Rohit Jahagirdar	B.C.A.	S/W Trainee	KPIT	2015
78	Rasika Ksheersagar	B.Sc.(C.S.)	S/W Trainee	KPIT	2015
79	Utkarsh Bafna	B.Sc.(I.T.)	Sales/marketing	Stockholding	2015
80	Shashank Pandit	B.Sc(C.S.)	S/W Trainee	Wipro WASE	2015
81	RAVDEEP SINGH PAVITRAPAL SINGH	B.Sc.(I.T.)	Graduate Trainee	TCS	2016
82	BIRARI MAYURI NARENDRA	B.Sc.(I.T.)	Graduate Trainee	TCS	2016
83	KALOTI RAMANDEEP LAKHBIRSINGH	B.Sc.(I.T.)	Graduate Trainee	TCS	2016

84	PALI ATHARV SATISH	B.C.A.	Graduate Trainee	TCS	2016
85	SHEWALKAR HRISHIKESH SANJAYRAO	B.C.A.	Graduate Trainee	TCS	2016
86	NANDAPURKAR SHARDUL VIJAY	B.C.A.	Graduate Trainee	TCS	2016
87	Tanvi Joshi	B.C.A.	Graduate Trainee	TCS	2016
88	Devashree Vaidya	B.C.A.	Graduate Trainee	Infosys	2016
89	Priyanka A Jejurkar	B.C.A.	GraduateTrainee	TCS	2016
90	Devashree Vaidya	B.C.A.	Trainee Developer	WIPRO	2016
91	Satish D. Gadekar	M.Sc.(C.S.)	Trainee Developer	Midas Technology	2016
92	Bhagyashri Suresh Solunke	M.Sc.(C.S.)	Trainee Developer	Midas Technology	2016
93	Ganesh Mahadu Pawar	M.Sc.(C.S.)	Trainee Developer	Midas Technology	2016
94	Vedika R. Pande	M.Sc.(C.S.)	Trainee Developer	Midas Technology	2016
95	Ashish vasantrao kulkarni	M.Sc.(I.T.)	Trainee Developer	Midas Technology	2016
96	Sanket Shastri	M.Sc.(I.T.)	Trainee Developer	Midas Technology	2016
97	Gaurav Sushil Kumar Jain	BCS	Trainee	Telly Soft	2016
98	Mahesh Sharma	BSC IT	Trainee	Telly Soft	2016
99	Girish Tukaram Wagdare	MSC CS	Trainee	Telly Soft	2016
100	Vikas Trimbakrao Ingole	MSC IT	Trainee	Telly Soft	2016
101	Sonawane Namrata	MSC IT	Trainee	Telly Soft	2016
102	Shital Chandrakant Mundhe	MSC CS	Trainee	Telly Soft	2016
103	Jagruti Shivaji Deshpande	MSC	Trainee	Telly Soft	2016
104	Pooja Yadav	BSC CS	Trainee	Telly Soft	2016

105	Zond Ashwini Babanrao	MSC	Trainee	Telly Soft	2016
106	Kale Supriya Ashok	BSC CS	Trainee	Telly Soft	2016
107	Priti Ramesh Jadhav	BSC CS	Trainee	Telly Soft	2016
108	Gadve Poonam Kachru	MSC CS	Trainee	Telly Soft	2016
109	Manoj Sandu Sapkal	MSC IT	Trainee	Telly Soft	2016
110	Akshay Sunil Patil	MSC CS	Trainee	Telly Soft	2016
111	Abhishek Kharjule	MSC IT	Trainee	Telly Soft	2016
112	Nikam Babasaheb Prabhakar	MSC CS	Trainee	Telly Soft	2016
113	Sheetal Suresh Raundal	BSC CS	Trainee	Telly Soft	2016
114	Sanjana Sunil Saraf	MSC CS	Trainee	Telly Soft	2016
115	Thorat Smita Janardhan	MSC IT	Trainee	Telly Soft	2016
116	Chaudhary Mayuri Vilas	MSC CS	Trainee	Telly Soft	2016
117	Priyanka A Jejurkar	B.C.A.	Trainee	Telly Soft	2016
118	Aarti Aher	MSC CS	Trainee	Telly Soft	2016
119	Chanchala Uttam Ugale	MSC CS	Trainee	Telly Soft	2016
120	Shinde Shweta Pramod	MSC CS	Trainee	Telly Soft	2016
121	Nilesh Uttam Talekar	BSC CS	Trainee	Telly Soft	2016
122	Satish Vishnu Bagal	MSC CS	Trainee	Telly Soft	2016
123	Shastri Sanket Shamsundar	MSC CS	Trainee	Telly Soft	2016
124	Navgire Vijay Datta	MSC CS	Trainee	Telly Soft	2016
125	Sudeep Londe	B.Sc(C.S.)	Graduate Trainee	TCS	2016
126	Sushant Garud	B.Sc(C.S.)	Graduate Trainee	TCS	2016



**Dr. G. Y. Pathrikar College of Computer Science
And Information Technology**

NAAC ACCREDITED WITH 'B' GRADE

ISO 9001:2008 CERTIFIED

ISO 14001:2004 CERTIFIED

Ref.MGM/GYPCCSIT/

Date :

Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

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

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

Signature of the Head of the institution

with seal:

**Principal
MGM's Dr. G.Y.Pathrikar
College of Computer Science
And Information Technology
Aurangabad**

Place: *Aurangabad*

Date: *25/03/2017*



N-6, CIDCO, Aurangabad - 431003 Tel.: 2473816, 6453031, 6601100, Fax : 0240-2487727

● Email : principalgyp@themgmgroup.com ● Website : www.mgmdrgyp.org