Annual Quality Assurance Report

(AQAR) 2017-18

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, **Bengaluru - 560 072**, India

Submitted by
Mahatma Gandhi Mission's College of Engineering,
Near Air Port, Hingoli Road Nanded-431605

The Annual Quality Assurance Report (AQAR) of the IQAC

Part-A

Data of the Institution

1. Name of the Institution	:	**Mahatma Gandhi Mission's College Of Engineering, Nanded-431605.**
Name of the Head of the institution	:	Dr. Mrs. Geeta S. Lathkar
Designation	:	Director
Does the institution function from own campus	:	Yes
Phone no./Alternate phone no.	:	02462-222999, 02462-222592
Mobile no.	:	+91-9850455553
Registered e-mail	:	director_naac@mgmcen.ac.in
Alternate e-mail	:	director@mgmcen.ac.in kotgire_sl@mgmcen.ac.in
Address	:	Near Airport, Hingoli Road, Nanded.
City/Town	:	NANDED
State / UT	:	Maharashtra
Pin Code	:	431605

2. Institutional status :

Affiliated / Constituent	:	Affiliated
Type of Institution	:	Co-education
Location	:	Semi-urban
Financial Status	:	Self financing
Name of the Affiliating University	:	Dr.Babasaheb Ambedkar Technological University, Lonere { B.A.T.U.}
Name of the IQAC Co-ordinator	:	Dr. Harkare M. G. Cell No. : +91-9881747185
Alternate phone / Mobile no.	:	7038072893, 9881648391
IQAC e-mail address	:	harkare_mg@mgmcen.ac.in
Alternate Email address	:	patil_jh@mgmcen.ac.in

3. Website address	:	www.mgmcen.ac.in
Web-link of the AQAR	:	http://mgmcen.ac.in/naac-info.aspx
(Previous Academic Year)	:	N. A.

4. Academic Calendar prepared during the year? Yes

Weblink	:	http://mgmcen.ac.in/academic-calendar.aspx

5. Accreditation Details :

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	**B++**	2.86	23-24/08/2018	From : 2018 to 2023
2nd	N/A	N/A	N/A	N/A

6. Date of Establishment of IQAC : **01/11/ 2016**

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
i) Conduction of Academic Administrative Audit.	June/July 2018	All departments
ii) To prepare workbook for weak result subjects like, Engineering Mechanics, Engineering Mathematics, Electrical Engineering, etc.	Nov.2016 - June 17	Workbook for subject Engineering mechanics is prepared and given to First year students in the First Semester of Academic Year 2017-2018 for practice, which improves 10 to 15% result. More than300 students of this Institute were benefited.
iii) The Chairperson and committee decided to get faculty members registered for FDP organized by IIT Bombay. "Foundation program in ICT for education" & "Pedagogy for online and blended Teaching Learning process." It emphasized on innovative teaching learning methodologies.	August to October 2017.	The participants learnt various pedagogical skills like blended education, think-pair share etc. and adopted while teaching the subjects in the upcoming semester. **Thirty seven** participants successfully completed the course.
iv) To participate in NIRF	Aug. 2017	Whole Institution
v) To go for NAAC accreditation	Jan. / Feb. 2018	Whole Institution

Note: Some Quality Assurance initiatives of the institution are:
(Indicative list)

- *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements* **yes**
- *Academic Administrative Audit (AAA) conducted and its follow up action* **yes**
- *Participation in NIRF* **Yes**
- *ISO Certification* *No*
- *NBA etc.* **(2006-2009)**
- *Any other Quality Audit* *No*

8. Provide the list of funds by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Dr. Mrs. A.M.Rajurkar Dept. of Computer Science & Engineering	Development of an automated system for musculoskeletal image analysis & interpretation for quicker diagnosis.	BRNS, BARC Mumbai	**2014-18**	**25 Lakhs**

9. Whether composition of IQAC as per latest NAAC guidelines : Yes

10. No. of IQAC meetings held during the year : 03

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website……. : Yes

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? : No

12. Significant contributions made by IQAC during the current year:
   * Preparation of workbook for weak result subjects like, Engineering Mechanics.
   * Completion of up-gradation of surveillance system.
   * Up-gradation and renovation of laboratories.
   * Successful conduction of FDP ("Foundation program in ICT for education" & "Pedagogy for online and blended Teaching Learning process.") organized by IIT Bombay.
   * Preparation & successful submission of SSR for NAAC in the month of Feb. 2018.

13. **Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year:**

Plan of Action	Achievements/Outcomes
To get the accreditation process of NAAC completed.	SSR submitted for NAAC accreditation.
To prepare workbook for weak result subjects like, Engineering Mechanics.	Workbook for weak result subjects like, Engineering Mechanics was prepared under the guidance of Prof. K. G. Narayankhedkar and distributed to First Year students to improve the result.
To get the faculty members registered for upcoming FDP organized by IIT Bombay.	37 faculty members completed the FDP regarding use of ICT in Teaching organized by IIT Bombay and implemented the tools therein to improve teaching learning process.

14. **Whether the AQAR was placed before statutory body?** : Yes

        Name of the statutory body : Governing council
           Date of meeting   : 28.12.2018

15. **Whether NAAC or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?**   : **Was scheduled in NAAC Peer-Team visit to be conducted on 23.08.2018 & 24.08.2018**

        NAAC Committee visited Date : **scheduled on 23.08.2018 & 24.08.2018**

16. **Whether institutional data submitted to AISHE** : Yes

    Year : 2017-18   Date of Submission : 24-02-2018

17. **Does the Institution have Management Information System?** **Yes**

   The Institute has acquired Management Information System (MIS) which is Web based College Administration System named as CASERP. Institution itself maintains in-house CASERP server. Earlier the system was paper based. However now it is online and paperless.

   CASERP enhance all Institutional functioning i.e. Academic Administration, Financial & General Administration. Every stake holder i.e. students, staffs, parents are having access to this CASERP by unique login-id and can get the related update information.

Academic administration:

The institutional unique login ID & Institutional email ID is given to all students and faculties. Academic calendar is displayed on website taking care of all curricular and co-curricular activities, holidays, etc.

The subject wise teaching plan and Time-table is made available online to all concerned students. In order to get the attendance-updates of students, it is mandatory for the faculties to update daily attendance in CASERP.

Faculties, Parents & students can also see the Teaching-plan, status of attendance, completion of syllabus, Test-Marks and related other information.

Apart from this Test-Marks SMS and Attendance-SMS after every 15 days are sent to the parents.
At the end Submission of Card of students gets generated.

Student's important documents are uploaded in their personal D-Wallet (Digital Wallet)

Financial Administration

All types of Students' fees are collected though SBI Collect and their personal ledgers get maintained in CASERP. 'SBI Collect' has reduced the overhead office staff for the collection of fees and students for the payment of fees by standing in a queue.

Parents and students can see the status of paid fees and outstanding fees through their CASERP login. This facilitated the students and parents in a great way.

Accounting, Fees, Scholarship and Salary modules are inculcated in CASERP. Cash-book, Bank-Book, Daily Collection Report, Fees outstanding, and all related reports are generated through CASERP.
Salary slips of employees get generated and can be seen in their personal CASERP login.

General Administration:

Biometric attendance of all employees is maintained in CASERP. Reports like daily attendance, span-wise attendance, movement register, late-arrival, early departure, yet not reported are generated on daily, span-wise and person-wise basis.

Online leave is incorporated where employee can apply for leave, get recommended and approved by the concern authority. Related Approved/Rejected sms is sent to the concern employee. Real time Reports of all types of leaves span-wise, person-wise, session-wise, application-status-wise get generated. These reports can get anytime from anywhere.

Biometric-Leave module is interlinked to salary module to generate the salary.

All important documents/certificates of employees are maintained in the Digital Wallet of individual's CASERP login. These can be accessed and referred at anytime from anywhere.
Students' certificate/document like Bonafide, Expenditure, character etc is generated online.
Store module and result Analysis are in process.

Part – B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation:

1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation:

The institute is affiliated to Dr.Babasaheb Ambedkar Technological University, Lonere for academic year 2017-18 for first year and Swami Ramanand Teerth Marathwada University, Nanded for second, third and final year. The Curriculum is framed by University. The Institute adopts a systematic approach for effective curriculum implementation as given below:

- The University publishes yearly academic calendar at the beginning of every academic year. Based on this academic calendar Director, Heads and Administrative Officer discuss and prepare an academic schedule of the Institute. It is then distributed to the departments. The Time Table coordinator of each department prepares Time-Table for each Class in Enterprise Resource Planning(ERP) software system.

- Irrespective of university calendar, we start our teaching schedule even before university results to make it to appropriate number of working days during the semester. Some public holidays are cancelled like Good Friday, Pateti, Mahashivratri etc.

- HOD allocates subjects to the faculty as per area of specialization. This activity is carried out immediately after the end of previous semester so that faculty members get enough time for preparation of the allotted subjects.

- Every faculty member prepares a teaching plan of his/her subject in ERP software system in accordance with the Institute Academic Calendar and University Syllabus. The complete documentation is prepared and maintained in ERP software. We follow the process of preparing teaching plans since 2005, earlier it was done manually and now we do it in ERP system.

- The lecture conduction is daily monitored by the Administrative Officer. The faculty members update their lecture conduction and student attendance in ERP after every lecture. Director, Academic Cell Coordinator and HOD monitor the progress of curriculum implementation at the end of every month. Earlier it was monitored manually, now it is done through ERP system.

- To ensure effective curriculum implementation, faculty members maintain course file having-Course Objectives, Course Outcomes, Individual Time-Table, Teaching Plan, Assignments, Test Marks, University Question Papers, Student Attendance, and Teaching Notes. Laboratory Manuals are prepared by faculty for the respective subjects. Classroom teaching is supplemented by seminars, mini-projects, expert lectures, industry and field visits, in-house and industry sponsored projects.

- Faculty members adopt innovative teaching practices like ICT based teaching methods, using models and simulations, blogs, video lectures, etc. Internet facility is available through wired and Wi-Fi networks for the access of e-books, e-journals, e-learning resources and NPTEL video lectures. The college has well-equipped library and laboratories to help faculty members for effective delivery of the curriculum. LCD projectors are made available in the classrooms for effective teaching.

- Continuous assessment of term work is done. Parents are involved in the education process of their wards keeping them informed regarding their attendance and test marks.

- Student's feedback is taken to assess the teaching-learning process. Corrective measures are taken. In addition to the university specified teaching hours, extra lectures and tutorials are conducted for the students for selected difficult subject.
- We keep on continuously improving our teaching learning system.

1.1.1 Programmes for which syllabus revision was carried out during the Academic year

Name of programme	Programme Code	Dates of revision
First year Engineering	All programmes	27th July 2017

1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
IT	16-17 March 2018	Workshop on cyber security and ethical hacking	16-17 March 2018
ECT	9th-20th June 2018	Workshop on Industrial automation organized by Prolific systems and technology Pvt. Ltd. Nagpur	9th-20th June 2018
ECT	6th-11th June 2017	Workshop on PLC SCADA by Innovation technology, Pune	6th-11th June 2017
ECT	11th -16th June 2018	Workshop on Satellite communication organized by Institute of Satellite communication	11th -16th June 2018
ECT	3rd-15th July 2018	Workshop at Hindustan Aeronautics Ltd. Bangalore	3rd-15th July 2018
CSE	20th June 2017- 3rd July 2017	Android Mobile App Development	20th June 2017- 3rd July 2017
CSE	20th June 2017- 3rd July 2017	PHP Web Development	20th June 2017- 3rd July 2017

1.2 Academic Flexibility	
1.2.1 New programmes/courses introduced during the Academic year	
Programme/Course	**Date of introduction**
Nil	Nil

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of Programmes adopting CBCS	**UG**	**PG**	**Date of implementation of CBCS / Elective Course System**	**UG**	**PG**
Already adopted (2011-2012)					

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	**Date of Introduction**	**Number of students enrolled**
Training on Soft skill and general aptitude Conducted by Treezec E solutions Pvt. Ltd. Mumbai	25th -30th June 2018	140
Workshop on Industrial automation organized by Prolific systems and technology Pvt. Ltd. Nagpur	9th-20th June 2018	100
Workshop on PLC SCADA by Innovation technology, Pune	6th-11th June 2017	71
Workshop on Satellite communication organized by Institute of Satellite communication	11th -16th June 2018	11
Workshop at Hindustan Aeronautics Ltd. Bangalore	3rd-15th July 2018	11
College to Corporate Program(Soft Skills)	7th Sept- 12th Nov 2017	144
College to Corporate Program (Workplace Communication)	7th Sept- 12th Nov. 2017	125

1.3.2 Field Projects / Internships under taken during the year

Project / Programme Title	No. of students enrolled for Field Projects / Internships
1. Civil Engineering	86 (Field Project)
2. Computer Science & Engineering	60 (Internship)
3. Electronics and Telecommunication Engineering	177 (Internship)
4. Information Technology	80 (Internship)
5. Mechanical Engineering	57 (Internship)

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	No	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution?

Feedback happens to be the most important aspect of the teaching learning system to bring in the improvements.

As far as possible feedback has to be periodically obtained from all the stake holders i.e. students, parents, teachers, alumni & employers. Except the employers we obtain regular feedback from all other four elements.

Students learning here express their opinion about the content. Because of internet and the enhanced exposure & communication established, students are aware what is going on in the industry and can express their expectations and we try to respond and organise for making suitable additions or deletions in the syllabus accordingly. Student's opinion is also collected about infrastructure, administration, library, canteen and sports facilities.

Accordingly necessary remedial measures are taken care of. Students also express their opinion about Director of the institution. If anything is expressed to be unattended in the feedback corrective measure is taken care of and communicated to the students.

As far as parents are concerned, many of them do not have engineering background but we collect their opinion regarding general conduction, regularity, discipline etc. Parents are called if their ward is found defaulter in attendance, Tests or Submission. Monthly meeting is arranged with concerned class teacher, HOD & Director. During this meeting all the details of the student regarding attendance, Test marks & submission are provided to the parents with the help of MIS maintained in the institute on daily basis.

Discussions are arranged for the teachers of the institution to periodically review the course curriculum. Teachers are encouraged to attend the short term courses, Faculty Development Program to enhance their knowledge base. It is ensured that they participate in the process of development of curriculum organising

workshops in the institute. Teacher's feedback is collected from the students every semester if the score is low, teachers are advised to improve their performance.

The feedback from the alumni is obtained for the laboratory infrastructure, addition of modern equipments and content of the course. Alumni because of their experience in the industry and exposure to the practical world turn out to be the best advisors to bring in the improvements. This way their bonding with the institute is also nurtured.

We face locational disadvantage and because the industries do not happen to be in the vicinity networking of the employers could not take place so far. We are working hard to improve our placements and are getting good results. We are planning for the association of Employers and include this part of the stake holders from this academic year for giving us the feedback and help us developing the best possible curriculum.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year *2017-18*

Name of the Programme	Program Code	Sanctioned Intake	Number of applications received= Students Enrolled
Undergraduate Courses (B. Tech.)			2017-18
Civil	212719110	60+03	60+03
CSE	212724210	120+06	116+06+01
ETC	212737210	120+06	64+06
Mech.	212761210	60+03	53+02
IT	212724610	60+03	51+02
		UG Total	**364**
Postgraduate Courses (M. Tech.)			
Civil-Structure	212721210	18	14
CSE	212724210	18	00
CNIS	212790810	18	00
MPE	212761610	18	05
ETC	212737610	18	00
HP & TE	212790910	18	00
		PG Total	**19**

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio 2017-18

Year	Number of students enrolled in the institution (UG)				Number of students enrolled in the institution (PG)				Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
	Regular	Re-admission	Carry On	Total	Regular	Re-admission	Carry on	Total			
2017-18	1546	29	201	1776	29	---	---	29	82	---	12

2.3 Teaching - Learning Process					
2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. *for 2017-18*					
Number of teachers on roll	Number of teachers using ICT *(LMS, e-Resources)*	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
94	94	Smart Class Rooms, Digital Library with on-line access to e-Journals (IEEE, Springer, Elsevier, ASME, ASCE, etc) CAS ERP for effective implementation of teaching learning and communication with students, Overhead Projectors, ICT enabled class rooms	21 (Cybernet YX with Iris software for smart Classroom)	15 Smart classrooms, 03 Seminar/ Conference halls	e-books, e-resource facility for teachers and students Open source Courseware animations repository, Digital Library, NPTEL Lectures, Open Access Materials

2.3.2 Students mentoring system available in the Institution?

Considering the need of the students for mentoring, guidance and counseling it has been provided through the teacher mentor. The mentor's role is to help the mentee to identify their own strengths, recognize their skills, abilities, and interests, and assist them in thinking and accomplishing long-term goals, thus helping them enhance their abilities. Mentoring helps to boost students' morale and improve their learning abilities.

There is a full- fledged mentoring system in place in the Institute to take care of the interests of all the students on roll. Each mentor has been given a group of 20-22 students as mentees. This gives an optimum number of students for the mentor to take care in every possible aspect, exploring the talents that the students are having. To make the students aware of career opportunities and encourage them for participation in the academic, sports and cultural activities is done by mentors, bringing out overall quality improvement.

A networking of mentor, class-teacher, Heads and Director is in place to take care of to and fro flow of information and actions. Mentor is connected with all the cells formed for academic and administrative functioning of the Institution such as academic cell, examination cell, T & P cell, disciplinary committee, student section in the office etc. Mentor is also aware of mentees participation in the activities of professional associations of the students in the Department like ETA, CESA, MESA, CUC, and ITSA.

Mentor-Mentee scheme helps a lot in improving the institute's present endeavor towards academic excellence and quality up gradation in line with NAAC guidelines. It immensely contributes to the improvement of overall academic quality. The students are greatly benefitted by continuous support and guidance. Mentoring has created an informal bonding between the students and teachers.

Following are some of the responsibilities of mentors:

To take review of attendance and performance of mentee in class room and lab sessions and keep parents informed as and when necessary.

- Continuously counsel, guide and motivate the students in all academic matters.
- Continuously monitor academic performance of students.
- Maintain a detail progressive record of the student.
- Advise students regarding choice of electives, project, summer training etc.
- Advise students in their career development/professional guidance.
- Keep contact with the students even after their graduation.
- Maintain a brief but clear record of all discussions with students.
- Keep the head of the Institute informed from time to time.
- Inform higher authorities and suggest if any administrative action is called for.
- Encourage students for participation in academic competitions/conferences/Seminars/Workshops

The Institute has started allotting students to alumni as mentors. This activity 'Alumni Interaction as Mentor' (AIM) is functioning since 2016-17. Alumni are made available to the students for career guidance. This has helped a lot in connecting students with the Industry and makes them aware of recent trends going on. Mentoring has resulted in increased commitment and dedication of students towards their studies. Strengthening their bond and networking.

Number of students enrolled in the Institution	Number of fulltime teachers	Mentor: Mentee Ratio
1575 Reg + 29 Re-adm + 201 Carryon=1805	94	1:20

2.4 Teacher Profile and Quality				
2.4.1 Number of full time teachers appointed during the year 2017-18				
No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D.
121	94	27	NIL	17

2.4.2 Honours and recognitions received by teachers
(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017-18	Dr. Mrs. G. S. Lathkar	Director	Best Director award by Computer Society of India at IIT Bombay Member Executive Council, Dr. Babasaheb Ambedkar Technological University, Lonere.
2017-18	Dr. Ms. A. M. Rajurkar	Professor, CSE Dept	Best faculty of the year- Funded Research, CSI Mumbai, TECHNEXT INDIA 2018 held at IIT Bombay Fellow of Institution of Engineers Nomination of the Research and Recognition committee, Savitribai Phule University, Pune. Nomination of the Research and Recognition committee, Savitribai Phule University, Pune. Best paper awarded at International Conference on Intelligent Systems & Information Management ICISIM-2017 held at JNEC, Aurangabad Reviewer, International Conference on Intelligent Systems & Information Management ICISIM-2017 held at JNEC, Aurangabad Session Chair for International Conference on Recent Advances in Computing & Applications (ICRACA-2017) at MITCOE, Pune Reviewer for International Conference on Recent Advances in Computing & Applications (ICRACA-2017) at MITCOE, Pune.

			Keynote delivered on "Research Methodology" at International Conference on Recent Advances in Computing & Applications (ICRACA-2017) at MITCOE, Pune.
2017-18	Dr. Mrs M. Y. Joshi	Associate Professor, CSE Dept.	Reviewer, IEEE & CSI Sponsored 1'st International Conference on Intelligent Systems and Information Management ICISIM, Oct 05-06, 2017, MGM's JNEC, Aurangabad, India
			Reviewer, TPC(Technical Programming Committee) member for International Conference SSCC'17 held at Manipal Reviewer, IET Information Theory Life Member of Cryptographic Research Society of India (CRSI) membership no. L/906
2017-18	Dr. D. V. Pattewar	Professor, Civil Engg.	Fellow, Institution of Engineers, India (M-127700-0) Fellowship, Institution of Valuers, India (F-17668) Life Member, The Indian Society forTechnical Education (LM-9960)
2017-18	Dr. Arshad Hashmi	Asso. Professor, Civil Engg.	Assoc. Member, Institution of Engineers, India(AM-150206-3) Life Member, Indian Society of Earthquake Technology, Roorkee. (F-17668) Life Member, The Indian Society for Technical Education (LM42427) Reviewer, Earthquake Engineering and Engineering Vibration- Springer. Reviewer, International Journal of Civil Engineering

2017-18	Dr. Mohd. Zameeruddin	Asst.Prof., Civil Engineering	Member, Institution of engineers, India, (M-144779-8)
			Life Member, Indian society of earthquake technology, Roorkee (LM-1603)
			Life Member, The Indian society for technical education (LM-72934)
			Member, Indian Geotechnical Society, Mumbai (LM-1207)
			Reviewer, Advances in structural engineering, Sage publication
			Reviewer, Earthquake Engineering and Engineering Vibration- Springer
2017-18	Dr. S. L. Kotgire	Professor, Electronics and Telecomm.	Reviewer, IDES

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year 2017-18

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year-end examination
B.E. (CSE, IT, Civil, ECT, Mech)	BE	2017-18	08/06/2017	14/08/2018
T.E. (CSE, IT, Civil, ECT, Mech)	TE	2017-18	08/06/2017	14/08/2018
S.E. (CSE, IT, Civil, ECT, Mech)	SE	2017-18	08/06/2017	08/08/2018
F.Y. B. TECH DBATU	FY	2017-18	25/05/2017	20/07/2018

2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level

Continuous Internal Evaluation (CIE) is the base for assessing the program outcomes in developing outcome based, effective and student centric, teaching learning mechanism. We at the institute level prepare and follow academic calendar that is framed as per guidelines provided by AICTE, DTE, and Affiliating University. Some of the reforms are as mentioned below:

- For CIE the University has proposed mid-semester examination and end semester examination in each semester.
- We at the Institute level conduct two more additional internal examinations and evaluate students on continuous basis.
- Assignments are also given on regular basis to understand and evaluate the course outcome. This helps slow learners improve their performance, and compete with others.
- To bring in the transparency the test papers are given back to the students and their queries are resolved by the concerned teacher in a special class room session
- The Institute has general Examination Coordinator for examination cell supported by a Coordinator from each department for smooth, transparent and fair conduction of internal examination.
- Time bound evaluation and declaration of results is planned and executed by the examination cell. Staff meetings are conducted periodically to review the evaluation process.
- The students can verify their attendance and performance through individual MIS log in,
- Any queries about the same could be discussed with the concerned teachers.
- Students can check their attendance status, test marks, Fees status as well as students can upload their documents through CASERP

2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters

       With limited number of working days available, to implement the teaching learning process effectively we prepare the academic calendar for every semester in advance in concurrence with affiliating University.

       A committee, comprising of Director, HODs, senior faculty and administrative officer prepares and monitors academic calendar taking into consideration various sports, cultural, and co-curricular activities. Thus the teaching schedule is carried out smoothly also various internal examinations, semester examination dates are planned in advance and conducted without hassle. This helps students plan their other activities like seminars, project work, training, etc.

       The committee continuously monitors the academic calendar vigilantly. The dates for conduction, evaluation and declaration of examination results are strictly observed adhering to the academic calendar. Academic calendar provides total number of lectures scheduled in a semester in advance and conduction is monitored against the scheduled. Every department maintains daily conduction report and syllabus completion reports. Every teaching faculty maintains individual course files covering all the activities for the semester. Teaching faculty going on leave invariably makes the alternative arrangement so the students are not put to a loss for their learning hours. Later the faculty compensates for his own lectures or practical lost because of his leaves.

       For CIE we organize two internal examinations in a semester, mid semester and end semester examinations are strictly in accordance with academic calendar. Schedule for display of assignments, examination dates, declaration of results, submission program, parent teacher meet, etc. are all displayed well in advance and conducted as per academic calendar.

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution

http://www.mgmcen.ac.in/

2.6.2 Pass percentage of students (2017-18 Batch)

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
212719110	Civil Engineering	78	70	89.7%
212761210	Mechanical Engg.	74	71	95.9%
212737210	Electronics & Telecom	112	110	98.21%
212724610	Information Technology	42	35	83.33%
212724210	Computer Sci. & Engg.	135	127	94.07%

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as web link)
https://docs.google.com/forms/d/178BoaptWdWM9vF_gj7Nore28UMqiY2Hbo-Lo5NEALx4/edit#responses

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

3.1.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project (Title of Project)	Duration	Name of the funding Agency	Total grant Sanctioned	Amount received during the Academic year
Major projects **(Development of an Automated System for Musculoskeletal Image Analysis and Interpretation for Quicker Diagnosis)**	2014-2018	BRNS, BARC, Mumbai	25,00,000/- Rs	4,20,325/- Rs.
Minor Projects **(Automatic Weather Station)**	2013-2018	Nanded-Waghala Municipal corporation Nanded	5,46,175/-Rs	26,712/-Rs
Interdisciplinary Projects	----	----	----	----
Industry sponsored Projects	----	----	----	----
Projects sponsored by the University/ College	----	----	----	----
Students Research Projects *(other than compulsory by the College)*	July 2017-April 2018	Government of India	Up to 5 Cr	----
International Projects	----	----	----	----
Any other(Specify)	----	----	----	----
Total				

3.2 Innovation Ecosystem

3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights **(IPR)** and Industry-Academia Innovative practices during the year

Workshops/Seminars Conducted on Intellectual Property Rights (IPR) during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)
A seminar on Intellectual Property Rights by Dr. B.M.Patre S.G.G.S Institute of Engineering & Technology,Vishnupuri Nanded.	All Departments (Institute Level)	16 Feb 2018

Workshops/Seminars Conducted under Industry-Academia Innovative practices during the year		
Title of Workshop/Seminar	Name of the Dept.	Date(s)
A Seminar on "SMART" Strategies for Designing & Managing Innovative Projects by Dr. Deepak L. Waikar Edu Energy Consultants LLP, Tacstra solutions Pte Ltd, International Energy Foundation, Singapore.	Mechanical Engineering	24th Feb 2018
A Seminar on Hyper loop One by Mr. A.N. Joshi CAD-CAM-GURU Solutions Pvt. Ltd. Pune.	Mechanical Engineering	9th Feb 2018
A Seminar on Importance of Personality Development by Mr. Ramakant Kulkarni, Director Hyderabad's Malgudi Institute of English, Nanded.	Mechanical Engineering	24th Feb 2018
A Workshop on Design & Manufacturing of Portable CNC Milling & Laser Engraving Machine By Dr. Sunil Wagh, Principal MGM's College of Engineering, Noida.	Mechanical Engineering	16th- 20th April 2018
A Training on Co-ordinate Measuring Machine (CMM) by Mr. Vaibhav Nesarkar Accurate Gauging Ltd., Pune.	Mechanical Engineering	27th- 29th June 2018
A Training on3-D Printer By Mr. Mohan Iyer, from Christiani Systems.	Mechanical Engineering	23rd- 24th May 2018
A Training on BRABO ROBOT by Dr. JVL Venkatesh, SIX-SIGMA Pvt. Ltd., Pune.	Mechanical Engineering	20th- 21st June 2018
An Expert Lecture on Dynamic Programming By Dr. JVL Venkatesh, Director, GATE Forum.	Mechanical Engineering	7th Nov 2017
Town Planning and Plumbing Engineering by Mr. Sameer Bahalkar of Shree Elements, Deopur, Dhule, Maharashtra.	Civil Engineering	13 April 2018
Two days Workshop on "Internet of Things (IoT)" by Mr. M. R. Sanghavi, Professor, SNJB College of Engineering,	Computer Science and Engineering	22nd-23rd February 2018

Chandwad, Nashik.		
Android Mobile App Development by Pehlajob.com	Computer Science and Engineering	20th June - 3rd July 2017
PHP Web Development by Pehlajob.com	Computer Science and Engineering	20th June - 3rd July 2017
College to Corporate Program(Soft Skills) by IIT Bombay	All Departments	7th September - 12th November 2017
College to Corporate Program(Workplace Communication) by IIT Bombay	All Departments	7th September - 12th November 2017

3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Smart Dustbin	Shivani Vaidya, Pratiksha Walbe, Dhanashree Kulkarni (Students of Second Year and Third year CSE)	IIT Kanpur	17/04/2018	6th Rank in All India Research Championship held at IIT Kanpur
Vehi- Budy	Arvind Kumar (Student BE CSE)	BITS Pilani	2017	3rd in Suit up event at BITS Pillani 2017.

3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
01	Incubation Center	Cygni Digital Solutions Pvt.Ltd.

Name of the Start-up	Nature of Start-up	Date of commencement
Vehi-buddy	Application Software for vehicles	July 2017

3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards during the year

Awards				
Sr. No.	Name of the Awardees	Name of the Award	Name of the Awarding Agency	State/ National/ International
1	Dr. Mrs. G. S. Lathkar	Best Director of the Year	Computer Society of India TechNext India 2018 held at IIT Bombay	National
2	Dr. Mrs. A.M. Rajukar	Best Faculty of the year Award	Computer Society of India TechNext India 2018, held at IIT Bombay	National

			International Conference on Intelligent Systems &Information Management ICISIM-2017 held at JNEC, Aurangabad	International
3	Dr. Mrs. A.M. Rajukar	Best paper award		
		Recognitions		
4	Dr. Mrs. G. S. Lathkar	Member of Executive Council	Dr. Babasaheb Ambedkar Technological University, Lonere.	State
5	Dr. Mrs. A.M. Rajurkar	Fellow	Institution of Engineers India	National
6	Dr. Mrs. A.M. Rajurkar	Nomination of the Research and Recognition committee	Savitribai Phule University, Pune	State
7	Dr. Mrs. A.M. Rajurkar	Reviewer	International Conference on Intelligent Systems & Information Management ICISIM-2017 held at JNEC, Aurangabad	International
8	Dr. Mrs. A.M. Rajurkar	Session Chair	International Conference on Recent Advances in Computing & Applications (ICRACA-2017) at MITCOE, Pune	International
9	Dr. Mrs. A.M. Rajurkar	Keynote delivered on "Research Methodology"	International Conference on Recent Advances in Computing & Applications (ICRACA-2017) at MITCOE, Pune	International
10	Dr. Mrs.M.Y. Joshi	Reviewer /TPC (Technical Programming Committee) member	Fifth International Symposium on Security in Computing and Communications (SSCC'17) held at and Manipal. India	International
11	Dr. Mrs.M.Y. Joshi	Reviewer	IET Information Theory	International
12	Dr. Mrs.M.Y. Joshi	Life Member	Cryptographic Research Society of India (CRSI) membership no. L/906	National

3.3.2 Ph. Ds awarded during the year *(applicable for PG College, Research Center)*

Name of the Department	No. of Ph. Ds Awarded
Nil	Nil

3.3.3 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National		-	-
International	Mechanical Engineering	01	-
	Information Technology	01	6.887
	Civil	02	-
	Electronics and Telecommu nications	02	-
	Computer Science and Engineering	01	-

3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication(International Conference)
Electronics & Telecommunication Engineering	03
Computer science and Engineering	03
Mechanical Engineering	00
Civil Engineering	02
Information Technology	03
Applied Science	00
Total=11	

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Compatibility of regression equations as per IS 901-1979	Shimpale P. M.	International journal of Engineering Education and Technology	2017	Nil	MGMs College of Engineering, Nanded	Nil
Seismic performance of masonry infilled reinforced concrete structures	Arshad K. Hashmi	Indian Concrete Journal	2018	Nil	MGMs College of Engineering, Nanded	Nil
Development of analysis curves for reinforced concrete beam sections based on simple approach of mechanics	Arshad K Hashmi, Syed Muhammad Ibrahim, and Alok Madan	Indian Concrete Journal	2018	Nil	MGMs College of Engineering, Nanded	Nil
Effective Application of Soft Computing Techniques to Reservoir Operation	Kalpeshkumar M. Sharma and Anil S. Parlikar	International Journal of Engineering Research and Advanced Development	2018	Nil	MGMs College of Engineering, Nanded	Nil
Reservoir Releases using Genetic Algorithm	Anil S Parlikar, P. D. Dahe, Madhav Vaidya, and Kalpeshkumar Sharma	International Journal of Innovations & Advancement in Computer Science	2017	Nil	MGMs College of Engineering, Nanded	Nil
Seismic performance evaluation of reinforced concrete frames subjected to seismic loads	Mohd Zameeruddin and K. K. Sangle	Journal of the Institution of Engineers (India)-Series A	2017	Nil	Veermata Jiajbai Technological Institute Mumbai	Nil

The heading above the table reads:

3.3.5 Biblio-metrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index/Google Scholar

Energy-based damage assessment of RCMRFs using pushover	Mohd Zameeruddin and , Keshav K. Sangle	Asian Journal of Civil Engineering (BHRC)	2017	Nil	Veermata Jiajbai Technologica l Institute Mumbai	Nil
Inelastic Analysis of Reinforced Concrete Frames	U. N. Jaiswal, and Mohd Zameeruddin	IUP Journal of Structural Engineering	2018	Nil	MGMs College of Engineering, Nanded	Nil
Approximate Seismic Analysis Procedure for Multi-bay RC Framed Structures	G. S. Deshmukh Syed Zubair Ahmed	International Journal of Civil and Structural Engineering Research	2017	Nil	MGMs College of Engineering, Nanded	Nil
Extraction of Menisci and Detection and Characterization of Meniscal Tears in MRI Images	Radhika P. Dudhmande, Archana M. Rajurkar, Vinayak G. Kottawar	International Journal of Control Theory and Applications , Vol.10, Issue 09, 2017, pp.729-739,ISSN 0974-5572	2017	Nil	M.G.M.'s College of Engineering, Nanded	Nil
An improved diagnosis technique for breast cancer using LCFS and Tree HiCARe classifier model	Deepika Kishor Nagthane, Archana M. Rajurkar,	Sensor Review ISSN: 0260-2288	2018	Nil	M.G.M.'s College of Engineering, Nanded	Nil
Mutual Authentication and Session Key Establishment for Secure Communication using Generalized	Balaji V. Durgawad, Mohammed AijazAhmed, D. Rajya Lakshmi, Sayed Abdul Sattar	International Journal of Computer Network and Information Security 2017*ISSN:* 2074-9090	2017	Nil	M.G.M.'s College of Engineering, Nanded	Nil

Digital Certificate		(Print), *ISSN*: 2074-9104 (Online				
Secure Forensic Report Retrieval Application using Cipher Text-Policy Attribute-Based Encryption	Vinod I. Jondhale, Manisha Y. Joshi,	International Journal of Science and Research (IJSR) , Volume 7 Issue 4, April 2018, PP 980-983ISSN (Online): 2319-7064	2018	Nil	M.G.M.'s College of Engineering, Nanded	Nil
Cloud Data Security Using Third Party Auditor	Aman Bhimrao Kamble, M. Y. Joshi,	International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET), Print ISSN : 2395-1990, Online ISSN : 2394-4099, Volume 4, Issue 8, pp.340-344, May-June-2018.	2018	Nil	M.G.M.'s College of Engineering, Nanded	Nil
A Secure End-To-End Protocol for Secure Transmission of SMS	Vaidehi V. Mantri, M. Y. Joshi	International Journal of Science and Research (IJSR), Volume 7	2018	Nil	M.G.M.'s College of Engineering, Nanded	Nil

		Issue 4, April 2018, 1042 – 1047				
Extraction of Spread Spectrum Hidden Data from Image using M-IGLS Algorithm	Pankaj P. Pawar, Sharayu Mane	Extraction of Spread Spectrum Hidden Data from Image using M-IGLS Algorithm, International Journal of Engineering Science and Computing, Volume 8, Issue 4, 4th April 2018.	2018	Nil	M.G.M.'s College of Engineering, Nanded	Nil
Design of Epoxy Based Resin Composites for Automotive Applications: A Case Study on I C Engine valve guide	J.S.Sidhu, G.S.Lathkar, S.B.Sharma	Institution of Engineers, Series C,	2018	Nil		Nil
Optimization of Glass fiver and MoS$_2$ Filled PTFE Composites Using Non Traditional Optimization Techniques	Prasad M. Patare, G.S. Lathkar	IMME17, Science Direct, Material Today, Proceedings 5, 7210-7319	2018	Nil	M.G.M.'s College of Engineering, Nanded	Nil
A study of tribo-characterstics of deep drawing oils	Bachchhav B.D., Lathkar G.S., Bagchi H.	Journal of Manufacturing Engineering,	2018	- Nil	M.G.M.'s College of Engineering, Nanded	Nil

		Vol. 6, Issue : 3 ISSN : 0973-6867				
Design and Fabrication of Silencer Waste Heat Power Generation System Using Thermo-Electric Generator	M. G. Jadhav, J. S. Sidhu	International Journal of Advanced Mechanical Engineering, ISSN 2250-3234 Volume 7	2017	- Nil	M.G.M.'s College of Engineering, Nanded	Nil
Study of Influence of Tool Nose Radius on Surface Roughness and Material Removal Rate in Turning of Inconel 718	Maske K.V., Sawale J.K.	International Research Journal of Engineering & Technology (IRJET), Vol-4, Issue-09 eISSN:2395-0056 pISSN:2395-0072	2017	- Nil	M.G.M.'s College of Engineering, Nanded	Nil
Analysis of double pipe heat exchanger with heliacal fines	Mule B.A., Hatkar D.N.	International Research Journal of Engineering & Technology (IRJET) e-ISSN-2395-0056 p-ISSN-2395-0072.	2017	- Nil	M.G.M.'s College of Engineering, Nanded	Nil
Comparative Analysis for Hard Turning of	Kazi Razaul Aarefeen,	SSRG International Journal of	2017	- Nil	M.G.M.'s College of Engineering,	Nil

Cryogenically treated and Non-treated EN9 Work pieces by using TNMG 160408 Inserts	N.A. Kadam	Mechanical Engg. (SSRG-IJME).			Nanded	
A hybrid approach for classification of rare class data	V. R. Thool K. K. Wankhade, K.C.Jondhale	Knowledge and Information, 2018 - Springer	2018	Nil	M.G.M.'s College of Engineering, Nanded	Nil
Optimization of Process Parameters in Hard Facing by Shield Metal Arc Welding (SMAW)	A.K.Rude, D.S.Pimpalga-onkar	IRJET, Vol.V,e-ISSN-2395-0056 p-ISSN-2395-0072	1st Jan. 2018		M.G.M.'s College of Engineering, Nanded	

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Clean metal cutting process using solid lubricants	G .S. Lathkar, S.K. Basu	Proceeding of the 19th AIMTDR Conference, Narosa, Madras	2012		2	MGM's COE,Nanded
Mechanical properties of microtungsten disulphide particles filledepoxy composites and its resistanceagainst sliding wear	J.S. Sidhu, G.S. Lathkar, S.B .Sharma	Malaysian Polymer Journal	2014		2	MGM's COE,Nanded

Failure Prevention of Hydraulic System Based on Oil Contamination	M. Singh G. S. Lathkar S. K. Basu	Journal of the Institution of Engineers (India): series C	2012		3	MGM's COE,Nanded
Review of Robust Video Watermarking Algorithms	R Manthalkar, Archana Rajurkar, Neeta Deshpande	International Journal of Computer Science and Information Security	2010		2	MGM's COE,Nanded
Video Partitioning and Secured Keyframe Extraction of MPEG Video	K.S.Thakre, A.M.Rajurkar, R.R.Manthalkar	Procedia Computer Science 78 (2016) 790 – 798 Elseviers	2016		4	MGM's COE,Nanded
Robust Dual Watermarking Scheme for Video Retrieval from Strategy Fusion,	N.A. Deshpande, Archana M. Rajurkar, R.R. Manthalkar,	International Journal of Image, Graphics and Signal Processing, MECS Press, 2013.	2013		3	MGM's COE,Nanded

Medical Image Analysis: An Attempt for Mammogram Classification using Texture Based Association Rule Mining,	D.S. Deshpande, A. M. Rajurkar, R. R. Manthalkar	Proc. 4thNational Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics in association with IUPRAI,	December 18-21, 2013		1	MGM's COE,Nanded

All frequency band DWT-SVD robust watermarking technique for color images in YUV color space	Kapre Bhagyashri, M.Y. Joshi	Computer Science and Automation Engineering (CSAE), 2011 IEEE International Conference on	2011		2	MGM's COE,Nanded
A Simple and Efficient Solution to Remote User Authentication Using Smart Cards	Mohammed Misbahuddin, Mohammed Aijaz Ahmed, M.H. Shastri	Innovations in Information Technology, 2006	2006		3	MGM's COE,Nanded
Performance Analysis of AODV & DSR Routing Protocol in Mobile Ad hoc Networks	Amit N Thakare, M.Y. Joshi	IJCA Special Issue on MANETs	2010		4	MGM's COE,Nanded
Scalable Key Transport Protocol Using Chinese Remainder Theorem	Manisha Y. Joshi, R.S. Bichkar	International Symposium on Security in Computing and Communication	2013		01	MGM's COE,Nanded

Shape Matching & Object Recognition using shape context	S.G. Salve, K.C. Jondhale	ICCSIT 2010 3rd International Conference on Computer Science and Information Technology	2010		2	MGM's COE,Nanded
Improvement in PCA performance using FLD and RBF neural networks for face recognition	K.C. Jondhale, L. M. Waghmare	3rd International Conference on Emerging Trends in Engineering and Technology	2010		1	MGM's COE,Nanded

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :2017-18

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops		36		
Presented papers	04			
Resource Persons	02			

3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year-2017-18

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers **co-ordinated** such activities	Number of students participated in such activities
Blood Donation Camp	NSS	11	300
NCC	Institute	---	03

3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year 2017-18

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
Blood Donation	Recognition	Red Cross	300
Swachh Bharat Abhiyan	Recognition		458
Green Campus	Recognition		1800

3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year-2017-18

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers **coordinated** such activities	Number of students participated in such activities
Swachh Bharat Abhiyan	M.G.M's College of Engineering	Campus Cleaning	46	458
Gender Issue	M.G.M's College of Engineering	Gender Equity Program	6	250
Aids Awareness	M.G.M's College of Engineering	Aids Awareness Program	8	250

3.5 Collaborations

3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year 2017-18

Nature of Activity	Participant	Source of financial support	Duration
Lab Visit to St. Xavier's technical Institute of engineering, Mumbai	02	College	5 Days
Mahatech Industrial Exhibition, Pune	02	College	1 days
BARC ,Mumbai	01	BARC and Institute	2 Days

3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year 2017-18				
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration **(From-To)**	Participant
Internship	Internship	Innovations Technologies (Prolofic)	09th – 20th June 2018	100 Students of TE E&TC
On-the job training	On-the job training	Mahatech Industrial Exhibition, Pune	6th Jan 2017	Two Faculty Members from Department of E& TC
Sharing of research facilities	Sharing of research facilities	St. Xavier's technical Institute of engineering, Mumbai	8th - 12thMay - 2019	Two Faculty Members from Department of E & TC
Internship	Project work	HAL, Bangalore	03th - 14th July 2018	6 Students of TE ECT & 5 Students of TE Mech.
Internship	Internship	Multiline Solutions, Mumbai	27th-15th July 2017	4 Students of TE CSE
Internship	Internship	Handsin Technology, Mumbai	15th-15th July 2017	7 Students of TE CSE
Internship	Internship	Taleho, Mumbai	15th-15th July 2017	3
Internship	Internship	Doctronics Pvt. Ltd. Mumbai	15th -15th July 2017	5
Internship	Internship	Cinqo Pvt. Ltd. Mumbai	15th-15th July 2017	5
Internship	Internship	Sai Infocorp, Nashik	15th- 15th July 2017	7
Internship	Internship	Arete Technologies, Nashik	15th June 2017 to 15th July 2017	8
Internship	Internship	BWR Ltd. Mumbai	15th June 2017to 15th July 2017	11
Internship	Internship	ECIL, Hydrabad	15th June 2017to 15th July 2017	5

3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year 2017-18			
Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Corporate House/Treezec Educational Services, Pvt, Ltd, Mumbai. (Pehlajob.com)	30/08/2016 (Valid for two years)	Training, Internship, Industrial Projects Carrier Guidance and Recruitment	106 students of CSE Department.
Cygni-Digital Solutions Pvt. Ltd., Pune	30/06/2017	Incubation Center, Internship, Industrial Projects	15students of CSE Department.
Inod German Tool Room (IGTR) , Aurangabad	2002	Training programme (CNC Machining & CAD/CAM)	62 students of Mechanical Engineering Department
GATE FORUM, Hyderabad	31/3/2018	Preparation of GATE 2019 & GATE 2020 Activities: 1.200+hours classroom coaching 2.Access to online test series 3. Entire Course material	32 students of E&TC Department

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year-2017-18

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
160 lakhs	200.62 lakhs

4.1.2 Details of augmentation in infrastructure facilities during the year -2017-18

Facilities	Existing	Newly added
Campus area	17.5 Acres	--
Class rooms	21	--
Laboratories	40	--
Seminar Halls	3	--
Classrooms with LCD facilities	21	--
Classrooms with Wi-Fi/ LAN	21	--
Seminar halls with ICT facilities	3	--
Video Centre	--	--
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	189	11
Value of the equipment purchased during the year (Rs. in lakhs)	895.22	65.10
Others	--	--

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System -ILMS}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SOUL	PARTIALLY	2.0	2007-08

4.2.1 Library Services:

	Existing		Newly added 2017-18		Total	
	No.	Value in lakhs	No.	Value	No.	Value
Text Books	34893	115	483	1.51	35376	116.51
Reference Books	9645	35.48	61	0.45	9706	35.93
e-Books	--	--	5918	0.68	5918	0.68
Journals*	454	7.77	76	1.87	530	9.64
e-Journals*	787	32.28	264	11.79	1051	44.07
Digital Database	04	----	----	----	04	----
CD & Video	2957	0.26	30	----	2987	0.26
Library Automation	01	0.50	--	--	01	0.50
Weeding (Hard & Soft)	1691	1.41	533	0.31	2224	1.72
Others (specify)						

- Considered for last 5 years i.e., 2012-13 to 2016-17

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	672	16	--	01	01	01	05	34	--
Added	100	--	--	--	--	--	--	66	--
Total	772	16	--	01	01	01	05	100	--

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

100 Mbps (Leased Line)

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Remote centre Hall with camera and recording facility NPTL, IIT Mumbai, IIT Kharagpur in video format.	http://ieeexplore.ieee.org/Xplore/home.jsp http://www.it.iitb.ac.in/nmeict/videoDownloads.html http://www.nmeict.iitkgp.ernet.in/audio.php http://www.nmeict.iitkgp.ernet.in/video_link.php

4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Dr. Hashmi Arshad Dr.Zamiruddin Allurwad reddy	Strength of Materials	Word press	28.12.2017

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
130.00	129.55 Lacs	147.00	147.25 Lacs

http://www.mgmcen.ac.in/naac-info.aspx

- The Infrastructure facilities like Land, Buildings, Water Supply, Sanitation, Stores, Electrical, Mechanical Equipment, and Fire extinguishers & Power Generator are maintained by the Construction & Maintenance Team (Estate office) through full-time staff members as well as by staff on hire/agreement.

- All Electrical equipment within the Campus are looked after by the staff of our Electrical Department. For General Cleanliness, Housekeeping, Dusting of equipments and cleaning all glass panes is taken up daily.

- Washrooms are maintained keeping focus on hygiene and maintained by full time staff on roll.

- Each department is held responsible to maintain their Classrooms & Laboratories by reporting to the Estate Office and the maintenance works are carried out regularly.

- The Director, on behalf of the Management, undertake initiatives like Tree Plantation, maintaining Lawns, develop Garden & Nursery Maintenance of Garden and Landscape is done meticulously. Lawns and Pruning and trimming of the bushes & borders is our regular activity.

- Entire plantation on the campus is supported with drip irrigation and sprinkler system promoting optimum use of water. Rain harvesting is also done to conserve the water and to raise the water level of the campus. Regular watering, Regular use of fertilizers, insecticides and pesticides is taken care of to improve the physical ambience in the Campus. All the above works such as Identification of the requirement, award of work, Supervision, Monitoring and Execution etc. is taken care by the Maintenance Team.

- Calibration of most of the equipments is done by the Staff of the respective Departments, rest is outsourced to a standard organizations or its authorized agents.

- Due to the large number of computers & networking, a System Administrator and a Network administrator with their staff look after the maintenance of computers & the networking. All the computers are regularly checked for both Hardware and Software count. Protected with Quick heal Admin Consol. All are shielded with Firewall (Cyberoam 500ia).

- We have Campus Area Network (CAN) having 672 IBM/Lenovo Desktop and Laptop computer systems with IBM Blade Servers and adequate peripherals. The whole network is fire-wall protected. The whole campus including hostels is connected with fibre optic cables with 100 Mbps leased line Internet connectivity. The campus is Wi-Fi enabled and installed with full HD, IP based surveillance camera network. The whole system is regularly updated and maintained. College Administration ERP system supports the academic, financial and

general administration with the activities like preparing budget, maintaining expenditure, students and staff records.

- Thus all the activities associated with the maintenance and upkeep of the Building, Lab Equipment, Playground, Electrical installations , Internet connectivity, CASERP, Surveillance System, Optical Fibre Networking (LAN and WAN) are taken into account and a separate system is functional to take care of each aspect.

- Books in the library are regularly checked for termite, rats or any other insects. Fumigation is carried out on regular basis to protect from insects. Book binding is done at regular interval of time. Day to day cleanliness is supplemented with use of Naphthalene balls. Binding of periodicals putting together Quarterly .Half yearly and yearly issues annually to our reference section. The PG dissertations and Ph.D. Theses are preserved in the library for future reference.

- Just creating the infrastructure is never enough but its functioning utility has to be maintained on sustainable basis in the interest of maximum beneficial utilization by the inmates.

- Library has more than 44000 books, journals, e-books, e-journals along with library management software like SOUL and ILMS. Also remote access for the e-sources has been provided.

- All the sports facilities Indoor and Outdoor are reviewed and improved as and when required.

- Land of 7.45 acres is allotted for outdoor sports like Cricket, Football, Volley ball, Basket ball, Hand ball, Hockey, Athletics, Tennis etc. Indoor sports like Badminton, Table-Tennis, Carrom, Chess are encouraged. Canteen facility is available in the campus. RO purified drinking water is supplied.

- A team of Security with 01 Supervisor, 1 Chief & 18 Security men look after the Security of entire Campus.

CRITERION V - STUDENT SUPPORT AND PROGRESSION			
5.1 Student Support			
5.1.1 Scholarships and Financial Support			
	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Institutional Freeship	82	5128544
Financial support from other sources			
a) National	Social Welfare Office SC	244	18494634
	OBC	279	9736246
	NT	154	10811483
	SBC	53	3684964
	Etribel office ST	9	689218
	EBC	385	13399068
	Minority	95	2375000
b) International	----	----	----

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
1. Soft Skill Development Android Mobile App Development	20/06/2017-03/07/2017	106	Pehlajob.com
PHP web development	20/06/2017-03/07/2017	95	Pehlajob.com
2. Remedial Coaching	Oct-2017 & April 2018	69	College Faculty
3. Language Lab	July 2017 to May 2018	487	Language Lab teachers conducted practical as a part of regular weekly laboratory program for SE students
4. Bridge courses Innovians Technologies	6/6/17 to 11/6/17	71	Innovians Technologies
CNC machine & CAAD/CAM	08/06/2017 to 21/06/20	57	IGTR, Aurangabad
5. Yoga	21/06/2017	118	Yoga teacher Mr. Prakash Ibitwar
6. Meditation	18/06/2017 to 30/04/2018	129	Yoga teacher Mr. Prakash Ibitwar
7. Personal Counselling	July 2017 to May 2018	1955	Institutional Faculty
8. Mentoring	July 2017 to May 2018	1955	Mentor Scheme : 20-25 students are allocated to each faculty member for counselling and these students are personally taken care of by these mentors.

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year 2017-18

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2017-18	1. GATE	289		**07**	
	2. MPSC	52		Result Awaiting	
	3.Expert Lectures		1575		17

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year -2017-18

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
0	0	0

5.2 Student Progression

5.2.1 Details of campus placement during the year 2017-18

On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
Ample Softech, Pune	83	3	BYJU's Think and Learn Pvt.Ltd, Banglore	45	1
Hindustan Global Services, Indore	45	2	Sankey Solutions, Mumbai	5	1
Suroj Buildcon Pvt.Ltd, Pune	62	6	TCS	20	01
			Padmavati Engineering-Pune	01	01
			ISTC Pune	8	01
			METAL INDIA Pune	01	01

5.2.2 Student progression to higher education in percentage during the year -2017-18					
Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2018-19	5	MGMCEN	CSE	SGGS COE&T, Nanded	M. Tech (CSE)
	1	MGMCEN	Civil	SGGS COE&T, Nanded	M. Tech (Structural Engineering)
	1	MGMCEN	Civil	Govt. College of Engineering, Amravati	M. Tech (Geotechnical Engineering)
	1	MGMCEN	Electronics	SGGS COE&T, Nanded	M Tech Embedded System
	2	MGMCEN	Mechanical	SGGS COE&T, Nanded	M. Tech CAAD-CAM

5.2.3 Students qualifying in state/ national/ international level examinations during the year -2017-18
(eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	NA	NA
SET	NA	NA
SLET	NA	NA
GATE	**07**	ME18S22034004 ME18S11417913 ME18S22093054 ME18S11417409 ME18S13019091 EC18S52091008 CS18S32091106
GMAT		
CAT		
GRE		
TOFEL		
Civil Services		
State Government Services		
Any Other		

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year 2017-18		
Activity	Level	Participants
Cricket		169
Volleyball		72
Basketball		48
Football		75
Carom		125
Chess		130
Rifle Shooting		26
Athletics		45
Kabaddi		66
Tug of War		128
Slow Bike Race		55
Swimming		15
Badminton		75
Lawn Tennis		39
Table Tennis	Institutional level	29
Athletics		112
Mr. & Miss. Fresher		26
Mr. & Miss MGM		20
Various Days		672
Essay Competition		46
Quiz Competition		76
Debate		96
Rangoli Competition		32
Mehendi Competition		19
Art Exhibition		22
Photography		15
Skit		27
Dance		58
Singing		29
Anchoring		27

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2017-18		0	0	0		

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution

- As per the Rules and regulations under provision of section 40 of the Maharashtra Universities act, 1994 and guidelines provided by SRTM University, Nanded, the Student Council is formed.

- Adequate funds are provided by the Institute.

- Our motto is Total Personality Development of the students so plenty of sports and cultural activities are organized throughout the year. Students are encouraged to participate in outside competitions. This is with the purpose of exploring and bringing out best talents of the students. Our College team has consecutively won the general championship in the University Youth Festival. Also our students were selected for inter University competition.

- Student representation is there on Internal Quality Assurance Cell (IQAC).

- Professional clubs like CESA, MESA, CUC, ITSA and ETA support the active academic environment.

- Students are encouraged to participate in outside competition such as BAJA, Robotics, Bridgit, Autocad etc. and other Paper presentations competition and have won many awards.

- Students participate in academic monitoring.

- All student representatives are selected on the basis of their merits and organizing capabilities in the concerned sports/cultural activity. They are expected to promote and organize the various activities in the campus and keep it active throughout the year.

- The Institute encourages the students to participate in various sports such as Athletics, Chess, Badminton, Table Tennis, Carom, Football, Cricket, Volleyball, Swimming and Basketball etc.

- The annual social gathering is held every year. The Students' Council organizes many activities through its representative's are assign from both Boys and Girls viz. Sports Coordinator, Cultural Secretary, NSS Coordinator. Girls are encouraged for participation in sports and cultural activity.

- The activities are organized and conducted by the students under the guidance of faculty members.

- JHANKAAR the annual social gathering of M.G.M's College of Engineering is very popular event in the vicinity. The Name Jhankaar was given by the first batch of the college in 1984 and continued since then.

- Few events under Student council are :
  1. Participation in youth festivals
  2. Road Safety campaign
  3. General and Technical Quiz

4. Donations for social causes
5. Annual gathering
6. Blood Donation Camp
7. Tree Plantations
8. Other Environmental Activities.

CONSTITUTION (Year 2017-18)

Sr. No.	Designation	Member
1	Chairperson	Dr. Mrs. G.S. Lathkar, Director, MGMCEN
2	NSS Program Officer	Dr. Kalpeshkumar. M. Sharma
3	Student Council Incharge	Mr. Pankaj P. Pawar
4	General Secretary	Sunil Zabbu Rathod (BE Mech)
5	Cultural Secretary	1. Vaishnavi Deshmukh BE(CSE) 2. Salringra Momin BE(CSE)
6	Sports Secretary	1. Akshay Borse BE(CIVIL) 2. Srinivas Deshmukh BE(CIVIL)
7	Girls Hostel Representative	Nazneen Khan BE(Civil)
8	Boys Hostel Representative	Rohit Fulari BE(Mech)
9	Ladies Representative (Girls)	1 Akanksha Girgaonkar BE(ECT) 2 Nazneen Khan BE(Civil)
10	NSS Secretary	1. Rohit Fulari BE(Mech) 2. Madhura Joshi BE(ECT)
11	Magazine Secretary	1. Channawar Priyanka S. BE(ECT) 2. Deshmukh Sneha A. BE(IT)

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details

- Strong alumni network of our Institute is our asset. Coincidently having the same Director since inception and many faculty members working for more than 25 years with us we have a good rapport with our pass outs right from the first batch. It is a matter of keen interest of our Hon. Chairman who always encourages us.

- Alumni meetings are arranged on regular basis. Such meetings have been organized at Pune, Delhi, NOIDA, USA and Nanded.

- For all our annual social gatherings we call our outstanding achievers from alumni to be our chief guests. This interaction and sharing success stories of eminent alumni helps the students in a great manner.

- Alumni help us organizing industrial visits and training also the placements. Training in organization like HAL was possible because of our Alumni working there.

- We have launched special group activity Alumni Interaction as Mentor (AIM) on 02 October 2016 through this 05 students are allotted to each alumni. There is encouraging response from our alumni to provide guidance and professional support for developing their career competence.

- Each department organizes guest lectures of alumni for students. This helps to know current trends and upcoming technologies in the industry. Training and placement cell continuously interact with alumni for skill development and career guidance

- Active social networking groups are formed for regular interaction with alumni. Director and staff members of the Institute are part of this interaction. All current updates and various activities are shared on social networking.

- The Institution implements most of the suggestions given by alumni in the interest of the students regarding laboratory and curriculum development.

- A web page on our Institute website has been created for alumni registration. All pass out students register themselves on this web page and thus a database of alumni is generated automatically.

- In the last alumni meet at NOIDA in Feb 2017, an amount of INR 2.5 lakhs has been collected as initial contribution for alumni fund. Registration of alumni association is in process.

- We take pride in our alumni having placed in organizations of repute World over like Intel, Microsoft, Google, L&T, Bosch, Tata Motors, BHEL, HAL, Bombardier, Gammon India, Hiranandani, GMR and many more.

- Also the government organizations like PWD, Water Resources Department, Indian Railways, Indian Oil, ONGC, NIC, Civil services and all Defence services.

- We are proud of our distinguished alumni who have received National and International recognition for their exemplary contribution.

  To name a few –

  1. Kirthiga Reddy – Investment Advisor, Soft Bank, Japan

  2. Gaurav Anand - Territory Manager, Wipro

  3. Mr. Narendrapal Singh Sidhu – Best employee award by Indian Oil.

  4. Lt. Col. Mukund Sarsar – Gallantry award from President of India.

  5. Mr. Mukesh Jain- Gold Star award by Microsoft, USA.

  6. Mr. Prashantsinh Bhadoria- Team leader for first Indigenous Indian fighter aeroplane HTT40.

  7. Dr. Munir Sayyad - Associate Vice President, Reliance Jio, Mumbai

5.3.2 No. of registered enrolled Alumni : **1722**

5.3.3 Alumni contribution during the year (in Rupees) **:   5,75,000/-**

5.3.4 Meetings/activities organized by Alumni Association **:**

Alumni Meet 25/11/2017 and 24/03/2018

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year 2017-18

Two Practices of Decentralisation

We believe in participative management. Instead of passing orders from higher authority and expecting others to obey, it is always a better way of functioning if there is appropriate involvement of all the elements of the system. We always take care in every type of functioning academic or administrative, all the elements involved participate. To illustrate this we are giving two examples as mentioned below.

(i) **Training and Placement Cell:** Training and placement cell functions in dual mode i. e. Organising for campus placements and arranging for appropriate training to the students enhancing their employability. A separate training and placement officer takes care of training and placement activities in the campus. The support from each Department is provided by the departmental coordinator assigned for the same. The committee for Training and Placement comprises of the Director, all the Heads of the Department, T&P Officer and Departmental T&P coordinators. Together the policies are formed for kind of training to be imparted to the students of different departments and accordingly the training is provided. The coordinators maintain the database of the students as well as the relevant industries for the departments. The necessary contact is established with the industry people for getting the internships for the students. Additional expert lectures by the resource persons from industries and academia are organized for generic as well as specific technical training in the relevant fields for the students. Every faculty member is free to suggest and bring such resource person to the campus. The campus interviews are organized also the students are sent outside for the pool-campus activities organized in other Institutions. Alumni are also made to participate to establish and nurture industrial contacts. Through AIM (Alumni Interaction as Mentors), the help of alumni is sought to provide professional guidance to the students. We are encouraging one faculty one industry and one faculty one alumni policy to have the effective interaction with industry.

(ii) **Development of Laboratories:** The additional laboratories of department of Electronics and Telecommunication and Computer Engineering were to be developed and installed. The laboratory in charge faculty members initiated the requirement. Senior faculty and Head of the Department prepared the list of the best brands and specifications. Tenders were invited, comparative statements were made by the purchase committee comprising of senior faculty member, HOD and Director. The final approval was obtained from the governing council. The purchase order was issued by the stores department. The material was received by the store. Quality check was carried out by the faculty members and finally the equipments were handed over to the department. Meanwhile the plan of the laboratory was discussed and finalised by Architect, HOD, Director and Chairman, Governing Council. Accordingly the necessary civil and electrical work was carried out and furniture was installed.

So right from laboratory incharge, the junior faculty, the senior faculty, HOD, Director, Governing Council and the Chairman all elements were involved in the process of procurement of equipment and development of infrastructure achieving the decentralisation and participative management.

6.1.2 Does the institution have a Management Information System (MIS)? : **Yes**

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following

❖   **Curriculum Development**

- To ensure that the curriculum is updated regularly
- To have maximum participation in the course structure revision in the University
- To keep getting continuous feedback from the Alumni, or Industrial contacts
- To enhance Industry contacts for getting the internships/projects
- We have introduced one teacher one Industry as one of the good practices
- Change in affiliation has brought in new course structure with CBCS
- We regularly sponsor our faculty for FDPs/Conferences and also organize FDPs for upliftment of faculty.
- Expert lectures from Industry/academia regularly organized.
- Sensitisation of students towards society is ensured.

❖   **Teaching and Learning**

- To ensure teaching learning system to be student centric
- To prepare and Plan academic calendar in advance for each semester and monitor on regular basis
- To keep the Students well informed about the whole schedule and give feedback to parents.
- To increase the effectiveness, ICT enabled class rooms are provided
- Continuous up-gradation of faculty is observed.
- Students are encouraged to participate in various competitions and activities. Total personality development is focussed.
- To develop the system for assessment of COs with respect to program specific outcomes and program objectives
- We ensure continuous improvement.

❖   **Examination and Evaluation**

- Continuous evaluation is ensured for every semester with mid-semester examinations and two periodical tests in addition to regular University examination
- Submission of assignments and journals is part of continuous assessment.
- The whole program is time bound adhering to the academic calendar in concurrence with the University.
- Transparent evaluation, is ensured both in internal evaluation or University Paper Assessment
- University papers are assessed with bar codes.
- Internal test papers are given back to the students and solution is discussed.
- The students also know details of their submission performance with criteria and marks obtained.

❖   **Research and Development**

- Participation of faculty in FDPs/ Workshops/ Conferences is encouraged
- Faculty is encouraged to publish papers and sponsored liberally to present the same at National and International levels (USA, Malaysia, Singapore, China, Portugal etc)
- There is addition of 10 research publications in International journals and conferences this year.
- It is compulsory to publish two international journal papers before submission of PhD thesis also two National/International publications before submission of PG dissertation.
- Collaboration with Auto Cluster (Mechanical) Aurangabad, ISTC (E&TC) have opened up new opportunities for developmental work.
- Thirteen candidates have completed their PhDs so far.

❖ **Library, ICT and Physical Infrastructure / Instrumentation**

Library:

- To maintain the Library well above the desired norms laid by AICTE.
- To keep adding the books and journals as per AICTE norms
- Students are encouraged to use reading room for extra hours during exams, providing refreshment

ICT :

- Enhanced use of ICT is encouraged
- To add and maintain e-learning resources like NPTEL
- To subscribe IEEE, ASME, ASCE journals annually
- Training programs through Distance Education Program with IITB
- To have smart class-rooms

Physical Infrastructure:

- To create and maintain physical infrastructure as per AICTE norms
- To strengthen the laboratories

❖ **Human Resource Management**
- To employ and retain adequate Human Resource for teaching as well as administrative functioning
- To bring out continuous improvement in the employees
- To organize FDPs, Conferences, Training programs/workshops also sponsor the faculty
- To sponsor the faculty for higher education in the Institutions like IITs, RECS
- To organize special training like MS-OFFICE, TALLY for non-teaching and supporting staff
- To have enhanced use of computers in administration and student support.
- All kinds of leaves and benefits are given to the teaching and non-teaching staff as per AICTE/UGC norms during service period and post retirement.

❖ **Industry Interaction / Collaboration**
- To put the society to the benefit with well trained manpower
- To provide for essential Industrial exposure to add potential to the education of the students
- To organize Industrial visits and internships
- To encourage collaboration and MOUs with Industries
- To encourage Students to undergo training programs in Industry
- Collaboration with various Industries/Institutes like IGTR, ISTC, and Texas Instruments, Auto Cluster, Aurangabad, Rucha Industries, Pawan Group of Industries etc. has led to enhanced level of training in the Institute.

    Visit to MSME, Mumbai, BARC Mumbai, MOU with Auto cluster are some of the prominent activities

❖ **Admission of Students**

- To have admissions allotted by the Competent Authority, State Govt. through centralized admission procedure through the entrance examination conducted by the state government and entrance test conducted at national level (JEE)
- To have 5% admissions with Tuition Fees Waiver Scheme for meritorious students.
- To provide financial assistance to the weak/deserving, physically challenged students and to the wards of the employees
- To provide free services to fill-up the online application form through facilitation centre.
- To adopt reservation policy as per Government norms
- Provide 20% lateral entries in Direct Second Year for students completing diploma

6.2.2 : Implementation of e-governance in areas of operations:

❖ **Planning and Development**

- Vision, Mission Statement and strategic plan are displayed on website.
- Short term and long term goals are also displayed on website and communicated to all.
- Code of Conduct for various elements of Organization is displayed on Website.

❖ **Administration**

- Notice for the meetings are circulated through digital media.
- Biometric attendance is in place.
- College administration is maintained through MIS
- Leave records are maintained online.
- Student attendance is maintained online

❖ **Finance and Accounts**

- Finance and accounts is managed online.
- Daily accounts is done online.
- Students pay their fees online.
- Payments are done online through Bank.

❖ **Student Admission and Support**

- Students apply for admissions online.
- Students are allotted to institution online.
- Students pay the fees through SBI collect.
- All queries of students are addressed through e-mail.

> ❖ **Examination**
> - Students fill up the Exam Forms online.
>
> - Question papers are received online from the University.
>
> - Answer sheets are scanned and made available to the faculty online for evaluation.
>
> - Result declaration is online.

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year 2017-18

Sr No	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
1	Mr. More Pratap Sitaram	Summer Faculty Research Fellow Programme 2017 At IIT Delhi		17550
2	Mr.Metkewar Vivekanand Ramdasrao	Short Term Traning Program on " Hands on Digital and Analog Circuits Designsusing VLSI Tools" At JNEC Aurngabad		4292
3	Mr.Sarsar Vishwanbhar Ramesh	Short Term Traning Program on " Hands on Digital and Analog Circuits Designsusing VLSI Tools" At JNEC Aurngabad		4292
4	Mr. Ashutosh Mugatkar	Short Term Traning Program on " Hands on Digital and Analog Circuits Designsusing VLSI Tools" At JNEC Aurngabad		4292
5	Mr.Salve Suhas Govindrao	One Week STTP on Cloud Computing and Virtulization Conducted by Geekslab Technologies Pvt. Ltd At JNEC Aurngabad		5562
6	Mr.Jagalpure Saurabh Ashok	One Week STTP on Cloud Computing and Virtulization Conducted by Geekslab Technologies Pvt. Ltd At JNEC Aurngabad		5562
7	Dr. Mrs. Geeta S. Lathkar	CSI TechNext India 2018 - Awards to Academia.		4956
8	Dr. Archana M. Rajurkar	CSI TechNext India 2018 - Awards to Academia.		4956

Sr No					
9	Dr.Shastri Manisha Haripant	National Cyber Defence Summit 17 at Goa			11561.66
10	Ms.Kapre Bhagyashri Sudhakarrao	National Cyber Defence Summit 17 at Goa			11561.66
11	Ms..Manjramkar Manisha Amrutrao	National Cyber Defence Summit 17 at Goa			11561.66
12	Mr.Mohseen Ahmed Mubin Ahmed	Continuing Professional Development Programme on Big Data Analytics Using Hadoop & R tool At Hyderabad			25276
13	Mr.Bisen Rahulsingh Gopalsingh	Continuing Professional Development Programme on Big Data Analytics Using Hadoop & R tool At Hyderabad			25276
14	Mr.Waghmare Anil Bhagwanrao	Deep Learning Workshop at COEP,Pune			10000
15	Mr. Bandewar Sachin Prabhakar	5 Days Workshop on Raspberry PI held at Pune			15880

6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year 2017-18

Sr No	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
1	Pedagogy for Online and Blended Teaching-Learning Process	Not Applicable	14 Sep 2017 to 12 Oct 2017	14	Not Applicable
2	Two-Day Weekend Training Programme Saptahaant Shikshak Prashikshan (SSP) on Introduction To Machine Learning	Not Applicable	16 &17 December 2017	28	Not Applicable
3	Not Applicable	Tally & Accounting Course At ICA	19 May 2017 to 30 June 2017	Not Applicable	2
4	Website Training At Nasik	Website Training At Nasik	30 June 2017	2	2

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year 2017-18		
Title of the professional development programme	**Number of teachers who attended**	**Date and Duration (from – to)**
Pedagogy for Online and Blended Teaching-Learning Process	14	14 Sept to 12 Oct 2017
Two-Day Weekend Training Programme Saptahaant Shikshak Prashikshan (SSP) on Introduction To Machine Learning	28	16 &17 Dec 2017
National Cyber Defence Summit 17	3	15 & 16 Dec 2017
One Week STTP on Cloud Computing and Virtualization Conducted by Geeks lab. Technologies Pvt. Ltd at JNEC Aurangabad	2	26 To 30 Jun 2017
Short Term Training Program on "Hands on Digital and Analog Circuits Designs using VLSI Tools" at JNEC Aurangabad	3	27 Jun To 2 Jul 2017
Deep Learning Workshop at COEP, Pune	1	17 & 18 Mar 2018

6.3.4   Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
94	94	87	87

6.3.5 Welfare schemes for

Teaching and Non-Teaching	**1 Freeship :** Given to the Wards of employees of the Institution. **2. Medical Expenses:** In emergency (critical situation) medical expenses are given **3. Education:** Free education to the wards of deceased staff is given**.** **4.Employment:** Appropriate jobs are given to the dependants of deceased staff. **5. Advance against salary:** In case of medical or other emergency needs, advance against salary without interest is given. **6. Provident Fund:** PF is given to the staff (If applicable as per rules of Govt). **7.Gratuity:** Gratuity is given to the staff. **8.Leave Encashment:** Leave encashment is given at the retirement.
Students	**1 Freeship :** Given to the needy and deserving students. **2. Sponsorship:** Sponsorship for attending conferences, project competition, sports activities **3. Group Insurance:** Provision for group Insurance for safety. **4. Medical Expenses :** Medical aide given in emergency.

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

  The institution gets statutory financial audit conducted by a Chartered Accountant firm as per provisions of Bombay Public Trust Act, 1950 regularly. No internal audit is conducted. The statutory auditors visit institution quarterly and check all the records of the Institution vigorously and scrutinize procedures and policies followed by the institution.

If there are any deficiencies or lacunae pointed out by the auditors or if they require any additional information or explanation, concerned authorities of the institution discuss the requirement with the auditors and comply with it. If any rectification is required the same is carried out expeditiously in consultation with the auditors.

Thus, audit observations are complied with in full on urgent basis.

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year 2017-18 (not covered in Criterion III)

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
----	----	----

6.4.2 Total corpus fund generated **: Nil**

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?   **YES**

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	Dr. B.A.T.U, Lonere	YES	HOD, Committee members
Administrative	YES	Dr. B.A.T.U, Lonere	YES	HOD, Committee members

6.5.2 Activities and support from the Parent – Teacher Association

  Periodic meetings are arranged with the parents and teachers
1. To improve performance of the students
2. To improve attendance and discipline.
3. To improve infrastructure.
4. To improve co-curricular activities support etc

6.5.3 Development programmes for support staff

1. Training is arranged in the campus for all non-teaching staff members to learn basic computer and operations.
2. Training of TALLY software is also arranged for Accounts staff members.
3. The general health check-up and awareness camp is also arranged in the campus for all teaching and non- teaching staff members.

6.5.4 Post Accreditation initiative(s)

1. Information and Communication Technology (ICT) thrust in teaching learning is to be enhanced.
2. Motivating/facilitating the faculty for intensive application of I.C.T. Internet reference facility in the class rooms.
3. Training and placement activities are to be enhanced by arranging various training courses.

6.5.5

a. Submission of Data for AISHE portal : **Yes**

b. Participation in NIRF : **Yes**

c. ISO Certification : **No**

d. NBA or any other quality audit : NBA accreditation was done in the year 2006 valid upto 2009.

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to------)	Number of participants
2017-18	Conduction of Academic Administrative Audit.	June/July 2018	June 2017 to June 2018	All departments
2017-18	FDP organized by IIT Bombay. "Foundation program in ICT for education' "Pedagogy for online and blended Teaching Learning process' It emphasized on innovative teaching learning methodologies.	Aug. 2017	August to October 2017.	Thirty seven participants were benefited
2017-18	To prepare workbook for weak result subjects like, Engineering Mechanics, Engineering Mathematics, Electrical Engineering, etc.	July 2017	July 2017 – Dec. 2017	386 students (FY)
2017-18	To participate in NIRF	Aug. 2017	Aug. 2017	Whole Institution
2017-18	To go for NAAC accreditation	June 2017	Jan. / Feb. 2018	Whole Institution

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year 2017-18)

Title of the programme	Period **(from-to)**	Participants	
		Female	Male
1. Women's day	8th March 2018	678	743
2. NCC Parade/Photos	15th Aug 2017	21	34
3. In College Band Women's Representation	2nd July to 27th Nov. 2017	19	19
4. Swachata Abhiyan (Cleaning Campus)	2nd October 2017	205	324

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:
Percentage of power requirement of the College met by the renewable energy sources We are in the process to install the solar panels of 140KW power which is about 70% of the total power requirement of the Institute.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities		
Provision for lift	Yes	NA
Ramp/ Rails	Yes	NA
Braille Software/facilities	Yes	NA
Rest Rooms	Yes	NA
Scribes for examination	Yes	NA
Special skill development for differently abled students	No	NA
Any other similar facility	No	NA

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2017-18	03	03	23rdSept.2017	1.Nirmalya Collection	Water Pollution Control in the Asna River	5- Staff members and 38-Students participated
			14th November 2017	2.Orphanage Visit	Sensitization of students towards social issues	5-Staff and 45-Students from all departments
			2nd October 2017	3.Tree Plantation	Green Campus	All boys and Girls present in the campus participated.

7.1.5 Human Values and Professional Ethics		
Code of conduct (handbooks) for various stakeholders		
Title	Date of Publication	Follow up (maximum 100 words each)
Code of conduct	25th November 2017	Uploaded on website http://www.mgmcen.ac.in/core-values-ethics.aspx

7.1.6 Activities conducted for promotion of universal Values and Ethics		
Activity	Duration (from-------to-------)	Number of participants
National Anthem	Throughout the year during both semesters on working days	All Students and staff in the campus

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Use of Paper Cups and Plates
2. Bio-Gas Plant installed near canteen to dispose off the canteen waste.
3. Composting of fallen tree leaves, disposal of leaves and manure problem solved.
4. Tree Plantation carried out on a massive scale in the campus, to make the campus an ideal ambience for learning process.
5. Rain Water Harvesting
6. 5 KW Solar Power Generation Plant and additional installation of 140 KW Solar panels is in process.

7.2 Best Practices

Describe at least two institutional best practices
Upload details of two best practices successfully implemented by the
Institution as per NAAC format in your institution website, provide the link.

Response:

Two Best Practices implemented
Title of Practice: CASERP

Aim : To implement College Administration System(CAS) for digitalization of administration.

Objectives : Achieving transparency and paper less administration

Description :
CASERP is being introduced in the system, which works digitally, and has proved a step towards paperless administration. Because of digital information exchange and no use of paper it helps in environment conservation. CASERP helps in automating and integrating different Institutional functions. It encompasses different modules and provides accurate data to multiple users in a real time. Easy to use and customize, Institution has been transformed a lot with its implementation. **CASE**RP is designed to interlink different departments and activities in paperless manner. The software maintains complete records of teachers, students and various other Institutional functions. Due to the use of CASERP, Institutional functioning becomes completely transparent. Providing access to multiple users through unique login ID. The software is beneficial for Institute management as well as for students, teachers and staff. It encourages transparent and instant communication. It is equipped with several modules like Attendance of students , Marks of internal assessment, Students records, Staff leaves, Messaging to the parents, Students fees record, Staff salary details , D-wallet and Biometric attendance (staff).
This has helped the administrative work to be carried out much faster and efficient way.

Impact :
Efficiency increased with faster reflex of the system.
Required Real time data is available and accessible to all the stake holders.
System became more transparent.
Usage of papers was considerably reduced contributing to environmental protection.

Title of Practice: Teacher Education

Aim: To carry out continuous education of teachers.

Objectives: To update the teachers knowledge.
To upgrade the teaching learning process.

Description:
The teacher is the most important element in any educational Institution. The teacher is mainly responsible
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Self Study Report of Mahatma Gandhi Mission's College of Engineering
For implementation of the educational process at any stage. It is mandatory to invest in up-gradation of the teachers.
Developing teaching skills include acquiring training and practice in different techniques, approaches and strategies for implementing. This helps teachers to plan, impart instruction providing appropriate reinforcement and conduct effective assessment.
Our Institute has the Remote Center a collaborative venture with IIT Bombay where various workshops and FDPs were held conducted by Professors of IIT Bombay and IIT Kharagpur. Various STTP's and workshops under ISTE chapter are also conducted and attended by our teachers. Institute also encourages and sponsors teachers to attend National and International Conferences in India and Abroad. Teachers are sponsored for higher education like M.Tech. and Ph.D. Programs liberally .

Impact :
Most of the teachers got their qualifications improved during their service tenure here.
Effectiveness of teaching learning system got improved.
Many teachers got National & International exposure through conferences by presenting papers.
We have list of good publications to our credit.

Title of Practice: Internship Year 2017-18
Aim: To get the students necessary exposure to the practical applications in their field and industrial practices.

Objectives: To increase the employability of the students.

Description: Undergoing the internship in the industry is always desirable for engineering graduates so that they get exposure to the practical applications, modern equipments, and industrial practices in general. To enhance the employability of the students, we decided to take extra efforts to make it happen in our campus. We got associated with certain industries to provide the internship opportunities to our students.

We also got associated with companies providing professional services to enhance industry institution interaction on various counts. With the help of 'Pehlajob.com', we organized internship for around 70 students in 7 software companies. 57 Mechanical Engineering students as usual were sent to IGTR, Aurangabad. Civil Engineering students were sent to field training. Electronics and Telecommunications Engineering students were sent to organization like ISTC. A group of 5 MECH and 5 ECT students is sent to HAL every year.

Practically it is difficult to accommodate all the students in the industry for internship. So we are providing an option of corporate training in the campus by collaborating with industry experts. Accordingly 221 students from CSE, IT and ECT were given the training on the campus with the help of Prolific Technologies, Nagpur, Innovians Technology, Delhi, and Pehlajob.com. Some students are given coaching for competitive exams like GATE, IES etc. We collaborated with GATEFORUM, Hyderabad for the same. In addition to this we conducted an FDP by MITCON on Entrepreneurship Development for training the trainers.

Impact:

1. Employment ratio of our students got increased.

2. Fundamentals of core subjects are cleared to a large extent by GATE/IES coaching.

3. Students are more attracted to get on campus jobs, which was not the trend earlier.

Title of Practice: One Faculty One Alumni

Aim: One Faculty will maintain a good rapport with one Alumni and work for the Benefit of the students.

Objectives: One Faculty will make good relations with one Alumni, which in turn will benefit our students in many ways.

Description:

One faculty will maintain good relations with one Alumni which will provide professional guidance, help getting Internships, sponsored projects from industry, organize students' visit to the industry and will also help to call the industry for campus Interviews to fetch jobs to our students. Faculty can also get practical exposure and training which will reflect in his/her teaching capabilities. Experts from industries can also be invited through the Alumni contacts and expert talks can be arranged, which will benefit the students.

Impact:

1 .Students will be provided with appropriate career guidance.

2. Students will be put to benefit for selection of projects supporting their choice for specific field.

3. Students will become technologically more capable.

4. This activity will help the students to plan for their job in specific industry.

5. This will make the students more focused towards their career.

6. This will help in grooming their personality in general.

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust
Provide the web link of the institution in not more than 500 words

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust
Response: Institutional Distinctiveness Title: Continuous Value Addition to Students and Teachers with distinct personal attention Description:

Every Institution would like to be recognized for certain type of its attributes which make it 'distinct' or one of its kinds. Such attributes characterize the institution and are reflected in all its activities in focus and practice. It has been mentioned in our vision statement that our focus is to produce Globally Competent Engineers with creative and entrepreneurial abilities. Training in accordance with University curriculum is never sufficient.
So we organize additional training programs for the students in collaboration with various Industries and Organizations.

Our Institute contributes 30% of the fees for the students to undertake these value added advanced courses along with workshops and training programs conducted by external professional agencies. As per the MOU signed with IGTR, the courses of high end software and modern manufacturing machine training are heavily discounted by IGTR and partially subsidized by the Institute. MOU's are also signed with recruitment agencies like CoCubes.com, Pehlajob.com, AMCAT, for campus placement and recently MOU is signed with GATEFORUM for imparting training for GATE exams to our students. MOU's are also signed with aptitude and technical training services companies like Texas Instruments, Innovations Unlimited, Treezec Educational Services, Prolific Systems Ltd., SPJ Systems Ltd., for personality grooming, 30% of the student's fees is borne by the Institute. We try to give an edge over to the students passing from our Institute through the value added courses. The teachers themselves have to keep on learning life-long. Elevating potential of the teacher ultimately uplifting the students. Our teachers have been sponsored liberally and encouraged to participate in the International Conferences, Symposiums, Technical Exhibition/Fairs and visits to Industries World Over. This not only takes care of their exposure towards the recent developments in their own subjects but also enhances their vision in general. Following staff were sponsored for their paper presentation Dr.Mrs.G.S.Lathkar and Dr.Mrs.A.M.Rajurkar, USA. Prof. M.R.Banwaskar and Prof. J.H.Patil, USA. Dr. S.N. Dachawar and Prof. M.R.Banwaskar, Singapore. Dr. J. S. Sidhu in Beijing, China. Dr. S. L. Kotgire, Singapore. Prof. P. P. Kanadkhedkar, USA Dr. S. K. Chidrawar, Portugal and Malaysia Many other staff members were also financially supported to attend National and International Conferences held in India and abroad. Senior staff members were provided laptops and tablets to support their work. In the interest of personal career and qualification development of the faculty members they were sponsored for PG and Ph.D. Md. Zameeruddin completed his Ph.D. from VJTI, Mumbai and was sponsored by the Institute, recently Girish Deshmukh is pursuing his Ph.D from VJTI, Mumbai. Faculties from various departments were sponsored to attend FDPs like ,"Foundation program in ICT for education and Pedagogy for online and Blended teaching learning process" and "Workshop on Introduction to Robotics", conducted by IIT Bombay.
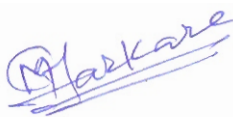
8. **Future Plans of action for next academic year**

- To enhance the effectiveness of teaching-learning process and bring the improvement in university results.

- To go for ISO certification & NBA accreditation.

- To encourage the faculty for submitting the applications for sponsored research projects to various authorities.

- To encourage faculty to attend FDP's / Conferences / Workshops at organizations of repute, like IITs, NIT's etc. for continuous upliftment.

- To encourage the faculty & PG / Research students for more publications in the reputed Journals & Conferences at International & National level.

- To encourage the faculty & students for patents registration.

- To encourage the faculty for resource generation.

- To organize for conferences / FDP's with the help of University funding.

- To provide for additional skill development programmes with the facilities available in the institute, like HAAS CNC machine, Accurate CMM etc.

- To take care of development of laboratories by adding latest equipments to keep the students abreast with the industrial needs.

- To encourage interdisciplinary projects for Final Year students.

- To enhance activities developing Incubation centre along with Innovation centre.

- To focus on training and placement by providing training courses to the students through industry interaction, developing technological and communication skills etc.

- Including cutting edge technologies in the curriculum to meet the industry requirements and enhance the employability of the students.

- To enhance Industry Institute interaction by arranging Industrial Visits, Guest Lectures by Industry persons and Internship of students.

- To encourage for more no. of MOUs with industry / academia for quality enhancement of the engineering education.

- To get industry sponsored projects.

- To organize for students activities promoting participation in TechFest or Technical symposia and other paper presentation contests.

- To organize for student activities like VisioTech on campus.

- To encourage usage of non-conventional energy by installing more solar panels covering 50% of the total power requirement & replacing all conventional lights by LEDs.

- To strengthen the surveillance system by increasing no. of cameras & networking.

- To focus on co-curricular, sports and personality development activities.

- To strengthen the sports facilities by creating indoor courts for badminton and Table-Tennis, etc.

- To develop the tennis court and the lawn in the cricket ground.

- To construct the alumni centre with guest house facility.

- To furnish the conference hall created in Mechanical Engineering Department.

- To organize training programs for support and non-teaching staff.

- To arrange general health check-up and awareness camp for Teaching, Non-teaching staff members & students.

Name Dr. Mahesh G. Harkare   Name Dr. Geeta S. Lathkar

Signature of the Coordinator, IQAC   Signature of the Chairperson, IQAC

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