



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		MAULI GROUP OF INSTITUTION'S COLLEGE OF ENGINEERING AND TECHNOLOGY, SHEGAON
Name of the head of the Institution		C. M. Jadhao
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		7265-7722027506
Mobile no.		8308848692
Registered Email		mgicoetshegaon@gmail.com
Alternate Email		cmjadhao@gmail.com
Address		Kahamgon Road, Shegaon
City/Town		Shegaon
State/UT		Maharashtra
Pincode		444203

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		Self financed			
Name of the IQAC co-ordinator/Director		Dr. P. M. Ardhapurkar			
Phone no/Alternate Phone no.		+918806444684			
Mobile no.		8551004684			
Registered Email		pm.ardhapurkar@gmail.com			
Alternate Email		pm_ardhapurkar@yahoo.com			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://mcoet.mauligroup.org/IOACaqar.html			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://mcoet.mauligroup.org/academic%20calendar.html			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.03	2018	26-Sep-2018	25-Sep-2023
6. Date of Establishment of IQAC			15-Nov-2016		
7. Internal Quality Assurance System					
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	
Workshop on Strategic		03-Jan-2020		63	

Action Plan	2	
Meeting of Internal Quality Assurance Cell (IQAC)	22-Jul-2019 1	15
Meeting of Internal Quality Assurance Cell (IQAC)	14-Oct-2019 1	15
Meeting of Internal Quality Assurance Cell (IQAC)	13-Jan-2020 1	15
Meeting of Internal Quality Assurance Cell (IQAC)	08-May-2020 1	15
Feedback Taken from Students (Odd Sem)	09-Nov-2019 5	859
Feedback Taken from Students (Even Sem)	04-May-2020 6	847
Feedback Taken from Parents(Odd Sem)	09-Nov-2019 5	266
Feedback Taken from Parents(Even Sem)	04-May-2020 6	256
Feedback Taken from Alumni	17-Feb-2020 1	46
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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
Nil	Nil	Nil	2020 Nil	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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12. Significant contributions made by IQAC during the current year(maximum five bullets)

Identified advanced learners from each department and formed a separate group of these students as Super 50 students. The advanced training programs and guidance were offered to these elite students with the objective to develop them and to offer higher level placement opportunities. IQAC initiated 'Connect to society' programme, under which the faculty members visited the school and junior colleges in the region and conducted expert lectures, carrier guidance programmes, workshops, soft skill trainings etc. to have a better connection with the society and promote the institute as well. Organized 4th IndustryInstitute Interaction meet on 8th February 2020. Established closer linkages with industries. Prepared Annual Action Plan (AAP) for year 20192020 and Strategies for the institute with participation of all employees and student representatives. Brainstorming workshop 'Strategic Action Plan for year 201920' was conducted during 0304 January 2020. Students were motivated to participate in Smart India Hackathon 2020. Internal Institute level Smart India Hackathon Competition was organized on 78 February 2020. Teams of students were nominated for final event and one team was selected for participation in final competition.

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

Plan of Action	Achivements/Outcomes
Preparing strategic action plan for the year.	Prepared Annual Action Plan and Strategies for the institute with participation of all employees and student representatives. Brainstorming workshop 'Strategic Action Plan for Year 201920 was conducted during 0304 January 2020. for continuous improvements in the system.
Organize Industry-Institute Interaction (III) Meet	Organized 4th Industry-Institute Interaction meet on 8th February 2020. Established closer linkages with industries.
Offering online courses from NPTEL/Coursera	Students were motivated to enroll in online courses from Coursera platform. Institute has coordinated the entire online learning.
Organizing program on IPR	Oneday Workshop on IPR awareness for the students and faculty members was organized on 12 February 2020.
Enhance the use of ICT in teaching	Undertaken workshops on use of online learning platforms like Zoom, Google Meet, etc.

Certificate courses for the students.	Certificate courses were offered for the students.
To strengthen remedial coaching activity	Remedial Classes for the slow learning students were arranged by the respective faculties.
Industrial visits for faculty members	Industrial Visits for faculties were organized at reputed industries in Nashik. MOU with Amber Auto Engineers Pvt. Ltd. was signed on 9th December 2019.
'Connect to society' programme	The faculty members visited the school and junior colleges in the region and undertaken expert lectures, carrier guidance programs, workshops, soft skill trainings etc. helping to connect with the society and promote the institute.
Participation in Smart India Hackathon activity	Students were motivated to participate in Smart India Hackathon. Internal Institute level Smart India Hackathon Competition was organized on 7-8 February 2020. Teams of students were nominated for final event and one team was selected for participation in final competition.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Board of Governors	21-Jun-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

No

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

The institute has installed customized ERP software - 'Drona' as Management Information System (MIS) for E-governance. This software is installed on Institute's IBM Server and is attached to website so that every stake holder can access the software from anywhere independent of time and

location. Most of the communication and record keeping is done through customized DRONA Software leading to minimization of paper usage by the institution. This customized ERP DRONA includes office module, work module, management module, library module, etc. for e-governance. The modules of administration, finance, admission and examination are implemented successfully. Institute is maintaining student related information such as name of student, branch, and category etc. within Drona's admission module. Work module is used mainly by students, faculty members and parents. This module is used for maintaining the day to day activities related to academics. Time Table coordinator of each department prepares TimeTable in consultation with the HOD. The approved Timetable is entered in customized ERP of the Institute 'Drona' for effective monitoring of the curriculum delivery. Faculties maintain students attendance, marks of tests, etc. related records through this module. Through the Examination module of Drona, faculties upload question papers, exam results and report is generated. Parents monitor students test result, notices, fees status and scanned documents of their ward. Parents see the overall progress of his/her ward through this module. E-governance in MGICOET allows to improve information, service delivery, making administration transparent and effective. Automation in the library of most of the procedures has been done through a customized software - 'Drona'. Drona's Library module has functions like cataloguing, circulation and students record. The library catalogue lists the books, bound volumes, reference books, CDs, DVDs and other media available in the library. All the students and faculty can access library resources online through user account. The links for students, faculty and parents are given below. Student login: <http://117.211.106.43/dronauserstudent/admin/login.aspx> Faculty Login: URL:<http://117.211.106.43/dronauseremployee/admin/login.aspx> Parent Login: <http://117.211.106.43/dronaparent/admin/Login.aspx?ReturnUrl2fdronaparent2fdefault.aspx> Drona is also used for conducting the feedbacks

related to teaching and curriculum for improvements in academic and administrative practices. SMS module is also used to inform students and faculty members about the activities conducted throughout the semester. The system provides timely alert to parents through SMS and also support synchronous communication between Institute and parents.

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. Explain in 500 words

The institute systematically prepares the action plans and maintains proper documentation for the effective delivery of the curriculum. Being an affiliated to University, Institute adheres to the curriculum prescribed by S.G. B. Amravati University, Amravati. The following measures are taken to ensure the effectiveness of the curriculum delivery.

- The Principal conducts meetings regularly with the Academic Coordinator and HODs to develop various strategies for the effective planning and delivery of the curriculum.
- Academic calendar is prepared and displayed on all notice boards and website. Co-curricular and extra-curricular activities are planned in academic calendar based on the inputs received from academic committee, faculty and department. It consists of commencement date and last working date, teaching days, dates for conduction of the internal assessment and extra-curricular activities.
- Subject's choice for professional and free elective courses are taken from the students. Based on the interest and expertize of the faculty, the teaching load is distributed among the faculty members in a meeting. It is done well in advance so that the faculty can prepare the subject, course file, PPTs, Question bank, and Course Action Plan.
- All the faculty members maintain and update the course files regularly. The contents of course files are designed in such a way that all the information related to academics is included in it.
- Time Table coordinator of each department prepares Time-Table in consultation with the HOD. The approved Time-table is entered in customized ERP of the Institute - 'Drona' for effective monitoring of the curriculum delivery.
- Teaching plan for each course is prepared by the faculty members, which is reviewed by the HOD.
- Faculty members enter the attendance, unit test question papers and results in ERP regularly. It is monitored by the Academic Monitoring Committee (AMC) and HOD through ERP.
- Syllabus coverage status is checked twice during the semester by respective HOD.
- The number of lectures planned and actually conducted facilitates identification of gaps, if any, and necessary corrective actions are taken for filling the gap.
- Through the process of Continuous Internal Evaluation, faculty judge the students level of understanding the subjects and take corrective actions for the effectiveness of the curriculum delivery.
- Slow learning students are identified and the remedial classes conducted for them to raise their academic performance.
- Continuous Assessment of laboratory work is carried out to assess the laboratory skills acquired by the students and the record is maintained using specially designed sheet for the same.
- Two Progress reviews are conducted for monitoring the status of final year project work.
- The effective implementation of curriculum is ensured by supplementing classroom teaching with expert lectures, seminars, mini projects, in-house and industry supported projects, industry visits, industrial internships, hands-on-

sessions, NPTEL lectures, Moodle, etc.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Certificate Course on “ Advanced JAVA”	Nil	28/07/2019	05	Focus on e mployability	Skill development
Certificate Program on “ Android Application Development”	Nil	28/07/2019	05	Focus on e mployability	Skill development
Component Identificati on and Testing	Nil	10/07/2019	30	Focus on e mployability	Skill development
PCB and Circuit Design	Nil	12/08/2019	30	Focus on e mployability	Skill development
IC Testing and Circuit Simulations	Nil	05/01/2020	30	Focus on e mployability	Skill development
Embedded System and IOT (Online)	Nil	15/03/2020	30	Focus on e mployability	Skill development
Introduction to AutoCAD	Nil	15/06/2019	10	Focus on e mployability	Skill development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Electronics and Telecommunication Engineering	24/06/2019
BE	Electronics & Tele, Mechanical, Computer Sc, Electrical, Civil	02/09/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Science and Engineering	26/06/2019

BE	Electronics and Telecommunication Engineering	26/06/2019
BE	Mechanical Engineering	26/06/2019
BE	Electrical(Electronics and Power)	26/06/2019
BE	Civil Engineering	26/06/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	195	Nil

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
Component Identification and Testing	10/07/2019	19
PCB and Circuit Design	12/08/2019	20
IC Testing and Circuit Simulations	05/01/2020	18
Introduction to AutoCAD	15/06/2019	16
Campus to Corporate	29/07/2019	868
Soft Skill Development (Orientation Programme)	08/08/2019	173
Hands on Programming Language (Advanced Java)	28/07/2019	46
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	70
BE	Computer Science and Engineering	61
BE	Electrical(Electronics and Power) Engineering	56
BE	Electronics and Telecommunication Engineering	44
BE	Mechanical Engineering	66
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

The system is developed to obtain feedback from all the stakeholders in the structured formats. The feedbacks obtained are analyzed scientifically and utilized to enrich the curriculum and to improve the teaching-learning process. The summary reports are prepared by IQAC to draw the conclusions. The reports are presented to executing authority of the institute and action taken reports are prepared. The feedback report and the concrete suggestions on the curriculum are forwarded to University through Board of Studies Member (BOS) for revising syllabus. Apart from this, all the departments conduct the Course Exit Survey and Programme Exit Survey to assess the attainment of all the Courses and Programme. Students' feedback on Curriculum: The feedback received from the students helps to improve the teaching-learning process. The gap between the action plan prepared by the faculty members, delivery of curriculum and what is needed by the students is identified. At the end of each semester, all the departments obtain a feedback on all the courses including both theory and practical courses from students, covering all aspects of the curriculum. Parents Feedback on Curriculum The institute collects feedback from the parents with the objective to know about institute's academic and administrative progress. Usually, these feedbacks are collected in annual parents meeting or at the end of academic year on the regular basis. The institute has also developed mechanism for the parents to get connected with the institute through the class counselors for monitoring the progress of their wards effectively. The institute seeks feedback from parents for further improvements in teaching-learning and administrative practices. Alumni Feedback on Curriculum Alumni of the institute are requested to give feedback and valuable suggestions on the curriculum based on the experiences gained while working in the industry. Alumni of the institute submit the feedback formally during the Alumni meet or online at any point of time. The feedback from alumni contributes significantly in the process of development of the institution. Employers Feedback on Curriculum: The institute always maintains a continuous dialogue with industry and obtains feedback from them which contributes to enrichment of the curriculum. The employer's feedback is used to identify the gap between the curriculum delivered in the institute and the requirements of the industry. The T P department of the institute collects and analyze feedbacks received from the employers. The institute takes appropriate actions on the feedback report. Employers can also submit the feedback online through the institute website. Teachers Feedback on Curriculum At the end of each semester, all the faculty members of the institute submit the feedback on the curriculum for each of the courses. These feedbacks are found to be useful for enriching the curriculum.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer Science and Engineering(UG)	60	56	56

BE	Electrical Engineering (Electronics and Power) (UG)	60	25	25
BE	Electronics and Telecommunication Engineering(UG)	60	28	28
BE	Mechanical Engineering(UG)	60	24	24
BE	Civil Engineering(UG)	60	40	40
BE	Digital Electronics(PG)	24	4	4
BE	Electrical Power System(PG)	24	Null	Null
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	868	8	81	8	89

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. (current year data)

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
89	86	5	6	6	8

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring program is structured to help and support students to cope with the difficulties and failures in life through student-faculty interaction on regular basis. It helps students in their academic progress, lifelong learning skills, intellectual and social development. The objectives of the program are: • To provide help and support for students from diverse religious, cultural, ethnic backgrounds. • To offer support to the students to deal with a wide range of concerns -be it academic, personal, emotional, family or peer related through counselling. • To empower students with enhanced ability to solve problems, make decisions and deal more effectively with their personal situations. • To help students to alleviate distress, enhance wellness, utilizing their best potentials and facilitate the process of growth and achievements. Mentoring Functions: Mentoring includes career functions and psychosocial functions that enhance the mentee's sense of self-worth and personal effectiveness. The role of mentor is centered on a commitment to advancing the student's career through an interpersonal engagement that facilitates sharing guidance, experience and expertise. Faculty members mentoring the student are committed to: • Meeting with the student on a regular basis. • Facilitate the training of the student in

complementary skills needed to be a successful engineer. • Encourage the student to seek additional opportunities in career development training. • Provide career advice and assist in finding a position for the student following his/her graduation. • Provide an environment that is intellectually stimulating, emotionally supportive, safe, and free of harassment. • Be supportive, equitable, accessible, encouraging, and respectful throughout the period of his/her graduation. • Provide psychological counseling dealing with stress, depression and anxiety of the students. • Effectively deal with students' problems and issues before they become unmanageable. Practice: • Every faculty member takes responsibility of the group of 15 to 20 students for entire period of their graduation. • Personal Data Sheet and counselling record is maintained by all the mentors. Mentors also monitor the semester wise academic progress of the students and their participation in extension activities. • If there are any health issues or continuous absenteeism of the students, mentors communicate to their parents. • Every semester, two formal meetings are arranged for the group of students. However, students are allowed to meet the mentor individually, as per their requirements to seek the support from the mentor. • Counsellor listens to the students concerns with empathy and responds in a non-judgmental way. If required, professional counsellor is arranged by the institute for the students to seek help and guidance on any personal issues or challenges. • The counselling process is confidential except in a condition where disclosure is necessary to protect student or another person or abide by the institute policy. • HOD and Academic Monitoring Committee monitor the record of mentoring program.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
876	89	1:10

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
88	89	Nil	31	5

2.4.2 – Honours and recognition 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
2020	Dr. C. M. Jadhao	Principal	Elected as a CHAIRMAN, IETE Amravati Centre
2020	Dr. C. M. Jadhao	Principal	Fellow IETE
2020	Prof. S. S. Mhaske	Assistant Professor	Elected as an EXECUTIVE MEMBER, IETE Amravati Centre
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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

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
BE	126537210	II	09/05/2020	14/08/2020
BE	126537210	I	07/12/2019	30/01/2020
BE	126561210	I	07/12/2019	30/01/2020

BE	126561210	II	09/05/2020	14/08/2020
BE	126561210	III	04/11/2019	15/01/2020
BE	126561210	IV	05/05/2020	20/08/2020
BE	126561210	V	04/11/2019	15/01/2020
BE	126561210	VI	05/05/2020	20/08/2020
BE	126561210	VII	04/11/2019	16/01/2020
BE	126561210	VIII	05/05/2020	09/11/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institute has reformed Continuous Internal Evaluation (CIE) process with the objective to evaluate the performance of the students in accordance with the course outcomes. It encourages the students to progress continuously in the semester leading to thorough understanding of the courses. In the academic year 2019-20, online tools were used for evaluation of students performance. The weightage for the continuous internal evaluation of theory courses is 20 whereas that for the practical courses, it is 50 . The internal assessment of theory courses has three parts: Two Unit Tests, Choice based Components (CBCs) and Attendance. Earlier, only two Unit Tests and Attendance marks were the part of the internal evaluation. The institute adopted Choice-based Components which are useful to evaluate the learning abilities of the students which otherwise cannot be tested with the semester end examination. These components of internal assessment consists of assignments, mini projects, surprise tests, open book test, periodical quizzes, tutorials, group discussion, case study, viva, seminar, etc. The choice is given to the faculty members to offer any assessment component for the evaluation of the students in accordance with the Course Outcomes and it is announced in the class within the first fortnight of the semester. The reformed structure of CIE enables faculty to identify slow learners and provide them an opportunity to improve their performance.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Academic calendar was prepared by academic coordinator in consultation with the Principal for each semester during the year and was circulated among all students and staff members. The inputs were taken from HODs of all the departments, Training and Placement officer and section heads apart from the data obtained from SGB Amravati University while preparing the academic calendar. It mentions the plan of all the academic activities such as University examination schedule, internal assessment tests schedule, soft skill programmes, working days, holidays, cultural events, sports events, etc. The calendar enables students to plan their internships and training activities during summer and winter vacations. • The approved academic calendar was displayed on all the notice boards and institute website for the information of all the stakeholders. • In accordance with the academic calendar, department-wise time tables was prepared well before the commencement of the semester and were displayed to all the students, staff and faculty members. • All the faculty members were asked to prepare and submit Course Action Plan for every theory subject which include description of student centric activities to enhance learning of the students, assessment methodology and expected course outcomes. These course plans were displayed to students after approval from the HOD. • All the departments follow the academic calendar meticulously. The Academic Monitoring Committee along with the concerned HOD ensured that the internal examinations and other activities planned in the academic calendar were conducted as per the schedule.

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 (to provide the weblink)

<http://mcoet.mauligroup.org/CO-PEO-PSO-PO.html>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
126561210	BE	Mechanical Engineering	54	54	100
126537210	BE	Electronics and Telecommunication Engineering	32	32	100
126535610	BE	Electrical (Electronics & Power) Engineering	57	57	100
126524210	BE	Computer Science and Engineering	46	46	100
126519110	BE	Civil Engineering	56	56	100
126529210	BE	M.E. Electrical Power System	4	4	100
126534310	BE	M.E. Digital Electronics	6	6	100

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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 weblink)

<http://mcoet.mauligroup.org/IOAC-sss.html>

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	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	0	Nil	0	0
Minor Projects	0	Nil	0	0
Interdiscipli	0	Nil	0	0

nary Projects				
Industry sponsored Projects	265	Network Component Pvt. Ltd. Pune	0	0
Industry sponsored Projects	265	Network Component Pvt. Ltd. Pune	0	0
Industry sponsored Projects	300	Green mart Pvt. Ltd. Khamgaon	0	0
Industry sponsored Projects	300	Green mart Pvt. Ltd. Khamgaon	0	0
Industry sponsored Projects	300	Jadhao Gears Pvt. Ltd. Amravati	0	0
Projects sponsored by the University	0	Nil	0	0
Students Research Projects (Other than compulsory by the University)	0	Nil	0	0

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
One day workshop on Intellectual Property Rights	BLI Consultancies, Amravati	12/02/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Nil	Nil	Nil	Nil	Nil
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nil
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
Nil	Nil	Nil

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

Name of the Department	Number of PhD's Awarded
0	Nil

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Science and Engineering	11	6.03
International	Electrical(Electronics and Power)Engineering	9	6.03
International	Electronics and Telecommunication Engineering	4	6.03
International	Mechanical Engineering	9	6.03
International	Civil Engineering	19	6.03
International	Applied Science and Humanities	7	6.03

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

Department	Number of Publication
0	Nil

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
0	0	0	Nil	0	0	Nil

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
0	0	0	Nil	Nil	Nil	0

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	112	7	Nil

Presented papers	Nil	Nil	Nil	Nil
Resource persons	Nil	2	Nil	Nil
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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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
International Womens Day Celebration	NSS	4	35
Tree Plantation Programme-II	MGICOET in collaboration with HDFC bank Ltd Shegaon	5	70
Tree Plantation Programme-I	MGICOET in collaboration with Lions Club Khamgaon.	15	72
Blood Donation Camp-II	MGICOET in collaboration with HDFC Bank Ltd Shegaon	4	46
Blood Donation Camp-I	MGICOET in collaboration with Dr.B.P. Thakare Memorial Blood Bank Akola	4	57
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
0	0	0	Nil
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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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Water Conservation Awareness	MGICOET in collaboration with Gram Panchayat Takali Viro Tq. Shegaon	Build Sand Fill Water Reservoirs with Students and Village People Participation	4	50

Andhashraddha Nirmulan	MGICOET in collaboration with Andhashraddha Nirmulan Samiti Shegaon	Various Superstitions and False Beliefs of People	4	50
Voting Awareness Camp	MGICOET in collaboration with Election Department Shegaon.	VVPAT and EVM Demo Sessions	4	50
Agriculture Guidance	MGICOET in collaboration with Agriculture Department Shegaon.	Modern Agriculture Types and Techniques	4	50
Free Health Check-up Camp for Pets	MGICOET in collaboration with Veterinary Hospital Shegaon.	Free Health Check-up Camp for Pets	4	50
Health Awareness	MGICOET in collaboration with SDH, Shegaon	Aids Awareness Programme	4	50
Swachh Bharat Abhiyan	MGICOET in collaboration with Panchayat Samiti, Shegaon	Cleanliness Program Regarding used of Toilets in Gram Takali Viro	4	50
Swachh Bharat Abhiyan	MGICOET in collaboration with MSRTC, Shegaon	Cleanliness Program In Bus Stand Premises	4	38
View File				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Faculty Industrial Visit to Amber Auto Engineers Pvt. Ltd., Nashik	01	MGI-COET, Shegaon	01
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry	Duration From	Duration To	Participant
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		/research lab with contact details			
Internship	Industry	Span Agencies, Hiwarkhed	19/12/2019	02/01/2020	02
Internship	Industry	Kashelani Constructions, Shegaon	21/12/2019	03/01/2020	05
Internship	Industry	Sakshi Construction, Shegaon	23/12/2019	06/01/2020	08
Internship	Industry	Arose Electricals, Khamgaon	26/12/2019	09/01/2020	07
Internship	Industry	Padsons Industries Pvt. Ltd., Akola	18/12/2019	01/01/2020	06
Internship	Industry	Yash Enterprises Khamgaon	15/12/2019	31/12/2019	10
Internship	Industry	HUL, Khamgaon	16/12/2019	30/12/2019	02
Internship	Industry	Jagdamba Electricals Engg. Works, Khamgaon	20/12/2019	31/12/2019	19
Workshop	Institute	IIT, Bombay	03/01/2020	05/01/2020	15
Project and Internship	Industry	NCPL, Pune	02/01/2020	08/01/2020	16
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
University of Kebangsaan , Malaysia	23/04/2019	Students and Faculty Exchange Program and Student Internship	18
Ambar Auto Engineers Pvt Ltd, Nashik	09/12/2019	In- Plant Training, Internship and Industrial Visit	2
Powerinst Electromagnets Pvt Ltd, Nashik	09/12/2019	In- Plant Training, Internship and Industrial Visit	2

CADD Center Amravati	10/10/2019	In- Plant Training, Internship, Workshop and Industrial Visit	21
D Joy Engineering Enterprises, Akola	12/04/2019	To provide Internship for students	2
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
45.86	47.6

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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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 patially)	Version	Year of automation
Drona ERP	Fully	1.0.047	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	12800	7039438	137	63731	12937	7103169
Reference Books	363	181405	75	41746	438	223151

Existing	360	13	2	14	1	2	6	52	36
Added	0	0	0	0	0	0	0	68	2
Total	360	13	2	14	1	2	6	120	38

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

120 MBPS/ GBPS

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
Nil	Nil

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
105.14	86.1	26.45	23.78

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Maintenance Policy Institute has established a Facility Management Cell (FMC) for maintaining and utilizing physical, academic and support facilities. The objectives of the FMC are: 1. To coordinate the maintenance activities of the college, 2. To facilitate to arrange and supply required physical resources, and 3. To ensure proper and optimum utilization of physical resources. Major Functions of FMC: 1. Prepare and maintain routine checklist and preventive maintenance schedule. 2. Perform routine check and preventive maintenance as scheduled. 3. Emergency maintenance shall be coordinated and the report be sent to Monitoring Authority. 4. AMC shall be maintained for any equipment/facility, if required. Coordinate maintenance activities with the third party under AMC and submit report to Principal. 5. Calibration of laboratory equipment if required. 6. Monthly and Annual consolidated report of the maintenance undertaken shall be submitted to Principal. 7. Preparing annual budget for the maintenance of academic and physical support facilities. 8. Develop mechanism to ensure proper and optimum utilization of all physical resources. Prepare yearly utilization report of the major facilities and submit to Principal. 9. Reduce annual expenditure against repair/damages/replacement of physical facilities/equipment through preventive maintenance activities. Sections of FMC: 1. Computer maintenance 2. Building Maintenance 3. Electrical Maintenance 4. Water Supply and Management 5. Academic Support facilities 6. Landscaping and Ground Maintenance Utilization and Maintenance of Academic Facilities-Class rooms, Laboratory, and Library: • Provision of funds for the maintenance of the laboratories and the classrooms is made. The records of all the equipment are maintained in stock registers. • Every semester, laboratory equipment are checked, calibrated and preventive maintenance is done by the laboratory staff. However, major maintenance of any equipment or machinery, is done by external party. • Non-teaching staff regularly carry out maintenance and cleaning of the classrooms and the laboratories • A Library committee having representation from each department oversees the utilization and augmentation of the library contents. Utilization and Maintenance of Computers: All the computers located at different places like, laboratories, library

office, departments etc. are maintained and upgraded by a team of System Administrator and associates by keeping a log of the status of the computers. The central computing laboratory is kept open for the students as per their requirements. System administrator maintains and updates the institute website regularly. Maintenance of Physical and Support facilities: Preventive maintenance and monitoring of the power backup facility like diesel generator, solar plant and RO-water plant is done by the electricians and other staff of the institute. However, for major maintenance /breakdown external party is called. Maintenance of CCTVs installed at various locations is outsourced. Log of daily electrical maintenance of all the electrical fittings, UPS, etc. and plumbing related work is maintained by the electrician and plumber of the institute. All the sports facilities are maintained by non-teaching staff of the institute under the supervision of full time Sports director. Library and laboratories are regularly given Pest control or anti-termite treatment. The institute garden and trees are maintained by the gardeners of the institute.

<http://mcoet.mauligroup.org/Maintenance%20Policy.html>

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	Dattak Yojana	42	1356449
Financial Support from Other Sources			
a) National	Post Matric Scholarship to OBC Students, Government of India Post-Matric Scholarship, Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna ,Tuition Fees and Examination Fees to OBC Students, Post Matric Scholarship to VJNT Students	805	34316136
b) International	0	Nil	0
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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
Soft skill development (Campus to Corporate)	29/07/2019	185	Gnosis Plus Eduventure LLP, Jalgaon
Soft skill development (Campus to Corporate)	26/08/2019	282	Gnosis Plus Eduventure LLP, Jalgaon

Soft skill development (Campus to Corporate)	13/09/2019	228	Gnosis Plus Eduventure LLP, Jalgaon
Soft skill development (Campus to Corporate)	04/03/2020	173	Gnosis Plus Eduventure LLP, Jalgaon
Soft skill development (Campus to Corporate)	11/03/2020	173	Gnosis Plus Eduventure LLP, Jalgaon
Soft skill development (Orientation Programme)	08/08/2019	173	MGI-COET, Shegaon
Remedial Coaching	22/08/2019	15	Internal Faculty Members
Remedial Coaching	12/09/2019	4	Internal Faculty Members
Remedial Coaching	14/09/2019	4	Internal Faculty Members
Remedial Coaching	19/03/2020	16	Internal Faculty Members
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	Post Covid Challenges for Mechanical Engineer	Nil	68	Nil	24
2020	Bridging the Gap between Degree course and the Engineering Maintenance at Industry Level	Nil	74	Nil	25
2020	Campus Preparation and Recruitment Process of Capgemini	Nil	138	Nil	2

2020	Current Trends in Industry and Recession in Automobile Sector	Nil	41	Nil	2
2020	Career opportunities for Electrical Engineers	Nil	59	Nil	55
2020	Industrial Automation in IoT Perspective	Nil	60	Nil	15
2020	Challenges in IT industries after Covid 19	Nil	58	Nil	2
2020	Preparations Necessary to face Industry 4.0	Nil	90	Nil	2
2020	Goal Setting and Planning	Nil	115	Nil	30
2020	Industry Scenario & Challenges Post Covid 19 & How to cope it	Nil	120	Nil	Nil
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

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
Dhoot Transmission Pvt Ltd, Aurangabad, Capital Via	171	154	Capgemini, Merce Technologies Pvt. Ltd., Mumbai,	11	3

Global Research Limited, Indore, Patco Precision Pvt. Ltd., Nashik, Konark Engineers, Nashik, Maccaferri Environmental Solutions, Pune, Dhumal Industries, Nashik, Ronch Polymer Pvt. Ltd., Pune			Tudip Technologies, Pune, Tech Mahindra Information Technology, TCS Pune, TTEC Ahmedabad, Appitsimple Infotek Pvt. Ltd., Gujarat	
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	6	MGICOET, Shegaon	Civil Engineering	GHRCEM, Amravati	M.Tech (Structural Engineering)
2020	1	MGICOET, Shegaon	Civil Engineering	Government College of Engineering, Amravati	M.Tech (Structural Engineering)
2020	1	MGICOET, Shegaon	Civil Engineering	Government College of Engineering, Aurangabad	M.Tech (Water Resources Engineering)
2019	2	MGICOET, Shegaon	Mechanical Engineering	SSGMCE, Shegaon	MBA (Marketing)
2019	1	MGICOET, Shegaon	Mechanical Engineering	Saibalaji International Institute of Management Narhe, Pune	MBA
2019	4	MGICOET, Shegaon	Electronics and Telecommunication Engineering	MGICOET, Shegaon	M.E. (Digital Electronics)
2019	1	MGICOET, Shegaon	Computer Science and Engineering	Shree Chankya Education	MBA

				Society's, Indira Global Business School, Pune	
2019	1	MGICOET, Shegaon	Computer Science and Engineering	SSGMCE, Shegaon	M.E. (Computer Engineering)
2019	1	MGICOET, Shegaon	Computer Science and Engineering	VJTI, Mumbai	M.Tech (Computer Engineering)
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Nil	Nil
No file uploaded.	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
VollyBall (Men)	Inter Collegiate Tournament SGBA University, Amravati	276
Cricket (Men)	University	16
Kho-Kho (Women)	University	12
VollyBall (Women)	University	12
VollyBall (Men)	University	12
Kabaddi (Men)	University	12
Badminton (Women)	University	4
Badminton (Men)	University	4
Chess (Women)	University	5
Chess (Men)	University	5
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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	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Colour in VOLLYBALL, Inter-University Tournament	National	1	Nil	2017507	Adesh Dabare
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The student council is constituted as per the provisions of Section 40 (2) (b) of Maharashtra Universities Act, 1994. It serves to work for students in sharing ideas, interests, and concerns with lecturers and Principal. The student council for the academic year 2019-20 has Principal of the institute as chairman, one teacher nominated by Principal, NSS Program Officer, one student member from each class nominated by the Principal based on the academic merits, Director of Sports Physical Education, Sports Representative, NSS Representative, Representative of Cultural Activities and two Lady Students nominated by Principal. The students have active representation on various academic as well as administrative committees as given below. 1. Internal Quality Assurance Cell 2. Internal Complaint Committee 3. Anti-Ragging Committee 4. NSS Committee 5. Magazine Committee 6. Library committee 7. Cultural committee 8. IETE Student Chapter 9. Departmental Associations 10. Training and Placement Committee 11. Hostel and Mess committee 12. Sports committee An Internal Complaint Committee is constituted in the institute as per the provisions of section 4 of AICTE regulations, 2016. It has representation of three students to redress the grievances related to gender, sexual harassment, etc. Every department has an active student association consisting of student members. The activities of the students association are monitored by faculty advisors. Student Council and Association raise funds for wide range of activities which include social events, community projects, and cultural events apart from technical events. Various activities like paper presentations, workshops and seminars, guest lectures, project competitions, exhibitions, industrial visits, sports and games, etc. were organized by the student's council.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institute has registered 'Mauli Alumni Association' (MAA) under Society registration Act 1860 by the Charity Commissioner office Buldhana (MS), with registration No. as Buldhana/0000005/2017. The association has the office bearers, framed bi-laws, informal governing body with Principal as the ex-officio member. MAA has organized two Alumni association meetings in the year to have interaction with alumni which are working in various fields. The total 155 alumni obtained the membership of alumni association during the year. Many alumni gave technical talk on online platform for the benefit of the current students. Few alumni visited the institute and shared their knowledge and experience with our staff and students. The feedback given by Alumni helped to bridge the gap between industry and academia. On the basis of the suggestions given by alumni, knowledge and skill development activities were being carried out. Alumni which are working in different industries and organizations assist the college to promote R D activities. Current students get useful career guidance from the Alumni during their visit to the institute. There is consistent support from alumni members to the Institute for arranging in-plant training, career guidance, recruitment, guest lectures, technical support and much more in the form of direct or indirect support. The alumni surveys were conducted during the visit of alumni in the campus to seek their feedback and guidance about the quality improvement, infrastructural development and design of curriculum as per the changing industrial scenario.

5.4.2 – No. of enrolled Alumni:

155

5.4.3 – Alumni contribution during the year (in Rupees) :

77500

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Activities conducted under Mauli Alumni Association are 1. Career Opportunities for Electrical Engineers on 28/06/2020 2. MBA After Engineering Importance Scope and Challenges on 11/06/2020 3. How to Prepare for Competitive Examination on 05/06/2020 Meetings: 1. Mauli Alumni Association meeting on 06/09/2019 2. Mauli Alumni Association meeting on 12/03/2020

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 (maximum 500 words)

The institution practices decentralization and participative management. The Institute believes that for achieving its Vision and Mission, decentralization and active participation of all the stakeholders is highly essential. With this view, the institute practices decentralization and participative management through regular interactions with parents, employers, Alumni, faculty members and staff. The institute has various committees/cells comprising of faculty members, non-teaching staff and students representation for the smooth functioning of academic and administrative activities. Regular meetings are conducted by all the committees. The two best ways of practicing decentralization and participative management in the Institute are as follows

Practice- I: Preparing Annual Action Plan (AAP) and Strategies for the institute by participation of all employees and student representatives. Institute prepares Annual Action Plan (AAP) and decides the strategies for the year through participative management. For this, institute organized a workshop on 'Strategies for Marching towards Excellence' during 12-13 December 2018. All the faculty members and non-teaching staff were involved actively in the brainstorming discussions in the workshop. The objectives of the workshop was to generate innovative ideas for achieving academic excellence. Questionnaires' were designed and circulated to all the participants prior to workshop to obtain inputs from the stakeholders. Introspection and improvement of various practices of institute is done by the common discussion with all faculties.

SWOC analysis of institute is been prepared considering the ideas and suggestion of all, and strategies have been drafted to grab the opportunities and to overcome the challenges. The outcome of the workshop was significant in terms of improving the academic and administrative practices. All the feasible suggestions were implemented by the institute. It is decided to follow the practice of conducting such workshop every year.

Practice - II: Effective maintenance and utilization of physical and academic support facilities through decentralization and participative technique. The institute has established proper systems and procedures for the maintenance, upkeep and utilization of the institute physical facilities and academic support facilities. Institute has constituted a Facility Management Cell (FMC) for this. FMC coordinates the maintenance activities of the college, facilitate to arrange and supply required physical resources and it also ensures proper and optimum utilization of physical resources. Faculty members and staff members are involved in the FMC and their duties for maintenance of facilities available in the institute are defined. The members of FMC are responsible for routine check and preventive maintenance of the facilities. The faculty in-charges are assigned to monitor the status for every facility. The monthly and annual consolidated report of the maintenance undertaken and facility utilization reports are submitted to Principal. This participative mechanism ensures proper and optimum utilization of all the physical resources and also reduces annual expenditure

against repair/damages/replacement of physical facilities/equipment through preventive maintenance activities.

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 (with in 100 words each):

Strategy Type	Details
Curriculum Development	<p>The institute has practice of taking feedback on curriculum from students, teachers, employers, alumni and parents. These feedbacks are analyzed and concrete suggestions or modifications are forwarded to the respective Board of Studies (BOS) of the University. Few faculty members of the institute are members of BOS. The faculty members participated actively in syllabus restructuring meetings conducted by the University during the year 2019-20. The outcomes of these meetings were submitted to the respective Board of Studies (BOS) and other higher councils in succession for approval and subsequent implementation.</p>
Teaching and Learning	<ul style="list-style-type: none">• The faculty members prepare the 'Course Overview Sheet' as the action plan for the course and convey it to the students at the beginning of each semester.• Lectures are delivered using various ICT tools and the academic performance of the students is monitored with customized ERP software. Students have access to Digital resources like NPTEL digital library, CDs and DVDs.• The students are groomed by implementing various student centric methods like mini projects, major projects, soft skill trainings, seminars, tutorials, summer and winter internships, paper presentation, Mentor Mentee Sessions etc.• Additionally, students association of the respective departments arrange various workshops and activities for participative and experiential learning.
Examination and Evaluation	<p>The assessment of all the theory and practical courses has two components: Continuous Internal Evaluation (CIE) at institute level and semester end examination (SEE) by the University. The faculty members assessed the students throughout the semester through two Unit tests, Choice based Components (CBCs) and Attendance. The</p>

CBCs consist of tutorials, assignments, mini projects, surprise tests, open book test, quizzes, Group Discussion, Case Study, Viva and seminar. Due to pandemic situation during the academic year 2019-20 due to Corona, the internal assessment for the second semester of the year was conducted online.

Research and Development

Research Promotion Cell (RPC) of the institute played an active role in improving the quality of research and development in the institute. Students having innovative projects were encouraged by the Institute by providing intellectual as well as financial support. Network Components Pvt. Ltd and institute work together for research, product development and training in the field of Internet of Things (IOT) leading to development of many smart products using Zigbee Mesh, Node MCU, HVAC, IR BLAST, Room Mapping, DLNA Media Server, SDDM, IOS.

Library, ICT and Physical Infrastructure / Instrumentation

A customized software-Drona is in use in the library, having automated procedures for cataloguing, circulation and students record. Students and faculty access library resources online through user account. The library is air cooled and well equipped with good books, magazines, research journals, Student Project Reports, Seminars, in hardcopies as well as e- journals. All the faculty members are using ICT for their lecture delivery. Institute has a sprawling campus with adequate number of well-designed and properly-maintained class rooms, laboratories, hostels, Mess, Canteen, sports ground and Administrative Office. During the year 2019-20, new instruments/equipment are added in the laboratories.

Human Resource Management

During year 2019-20, professional development programmes were conducted for faculty members. Many faculty members attended the training programmes, conferences, workshop and seminar organized by the other reputed organizations. Activities were conducted for the promotion of human values, gender equity and professional ethics. Role and responsibilities of all the employees like Principal, HODs, faculty members, activity coordinators, administrative staff, and support staff are clearly defined. The code of

	conduct for the staff and students is available and is followed strictly by all the stakeholders. Welfare schemes are available for both teaching and non-teaching staff of the institute.
Industry Interaction / Collaboration	Institute has strong linkages with the industries despite its rural location. Industrial visits, expert lectures and internships were arranged for the students to bridge the gap between curriculum and the industry requirements. Technical talks and expert talks by industry personnel on professional development of the students were conducted during the year 2019-20. Faculty members visited industries for placement and internship training of the students. During these visits, technical problems encountered by the industries were discussed and solutions were provided thereby strengthening the bond between the institute and industry.
Admission of Students	Students are admitted in first year and through lateral entry in second year by a Centralized Admission Process (CAP) as per the norms laid down by the state government. The entire admission process is controlled and executed by state government. Students are admitted as per their scores in AIEE and CET (Common Entrance Test) conducted by state government.

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

E-governance area	Details
Planning and Development	Drona has 11 functional modules namely Admission, HR, Work, SMS, Library, Stores, Payroll, Admin, Management, Hostel, Training and Placement through which e-governance is practiced in the institute. Starting from the day when student gets admitted in the institute student and their parents are allotted unique Id and password which they can access from anywhere independent of their location. All the staff members also have their authentication credentials on Drona through which Teaching faculties practice e-governance like Subject allotment, Time Table, Student Attendance, Sessional, Choice Based Components etc. Administrative staff practice e-governance through Tally ERP for student's fees and college accounting.

Administration	The Drona's HR module and Work Module are especially meant for administration purposes. HR module is maintaining the complete record of the employees such as their personnel information, bank details etc. Different reports through Work module are available in Student as well as parent module. Also for quality initiatives there is a mechanism to get the feedback of Faculty and other departments of the institute from students which they give through their own logins. Text messages are sent to the students who are irregular in attending the classes.
Finance and Accounts	Tally 9.1 ERP is used for financial purposes. Through Tally 9.1, fees collection and regular accounting is well managed.
Student Admission and Support	A separate Admission module is developed for Student Admissions. At the time of admission students are allotted unique Id and password which they can access from anywhere independent of their location. Their College Id cards are also prepared through this module. There is a connected sms module which makes them aware of any new development in the college. A detailed profile is maintained using these module which student can even access.
Examination	Drona's Work module has a separate section to execute the sessional examination which college undertakes. It has the functionality to upload the question papers through faculties individual logins, room allotment, duty allotment and finally to upload the marks after valuation. Other advantage of it is that even if a student is in final year he/she can have access to all the sessional marks of their previous sessional examination. The different reports are generated and monitored by authorities so that progress of the every student can be observed.

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

Year	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

2020	Prof. D. S. Pachpor	Techno-Economic Assessment of MSMEs in Rural Areas Workshop under Unnat Maharashtra Abhiyan (UMA) G IT, Khed, Ratnagiri	Nil	7500
2020	Prof. M. M. Tayade	Techno-Economic Assessment of MSMEs in Rural Areas Workshop under Unnat Maharashtra Abhiyan (UMA) G IT, Khed, Ratnagiri	Nil	7500
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Workshop on "Strategic Action Plan for year 2019-20"	Nil	03/01/2020	04/01/2021	63	Nil
2019	One Day Workshop on R	One Day Workshop on R	09/11/2019	09/11/2019	21	3
2019	One day Workshop on eSim, a First Course in the IoT Series for Teachers	One day Workshop on eSim, a First Course in the IoT Series for Teachers	21/09/2019	21/09/2021	20	3
2019	One Day Workshop on Linux	One Day Workshop on Linux	03/08/2019	03/08/2019	22	3
2019	One Week National Short Term	One Week National Short Term	15/07/2019	19/07/2019	40	3

	Training Program on Artificial Intelligence, Machine Learning and Blockchain Technology	Training Program on Artificial Intelligence, Machine Learning and Blockchain Technology				
2019	One Day Workshop on Python	One Day Workshop on Python	22/06/2019	22/06/2019	22	Nil
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
One Week Online Faculty Development Programme on Python 3.4.3	2	20/04/2020	25/04/2020	06
Four Days Online Course on Examination Reforms	3	29/04/2020	02/05/2020	04
Three Days National Level FDP on Cyber Security	1	29/05/2020	31/05/2020	03
10 Hours Deep Learning with Python	1	27/08/2019	27/08/2019	01
One Day Workshop on Python	22	22/06/2019	22/06/2019	01
One Week National Short Term Training Program on Artificial Intelligence, Machine Learning and Blockchain Technology	40	15/07/2019	19/07/2020	05
One Day Workshop on Linux	22	03/08/2019	03/08/2019	01
One day Workshop on eSim, a First	20	21/09/2019	21/09/2019	01

Course in the IoT Series for Teachers				
Workshop on "Strategic Action Plan for year 2019-20"	63	03/01/2020	04/01/2020	02
One Day Workshop on R	21	09/11/2019	09/11/2019	01
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
21	89	Nil	91

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1) Under the Contributory Provident Fund scheme the institute contributes 50 of the amount. 2) Faculty members are sponsored for Conferences, Seminars, Workshops, etc. 3) Faculty members are motivated to do the consultancy work for the industries, and major percentage of consultancy fees is paid to faculties involved in it. 4) Vacations are granted as per rules. Also, various leaves such as Maternity leave, marriage leave, medical leaves, etc. are sanctioned. 5) Staff members are covered under Medical insurance. 6) During college hours free medical facility along with free ambulance service is provided to staff. Treatment in Mauli dialysis center- managed by the institute's trust is given on subsidized rates to the staff and their dependents. 7) Concession in fees for the wards of staff members who secure admission in any</p>	<p>1) Non-teaching staff is given free coaching for the preparation of MSCIT examination. 2) Free residence is provided to few non-teaching staff. 3) Diwali Bonus is given to non-teaching staff. 4) Vacations are granted as per rules. Other leaves such as Maternity leave, marriage leave, medical leaves, etc. are sanctioned. 5) Staff members are covered under Medical insurance. 6) During college hours, free medical facility along with free ambulance service is provided to all the staff. Treatment in Mauli dialysis center- managed by the institute's trust is given on subsidized rates to the staff and their dependents. 7) Concession in fees for the wards of staff members who secure admission in any institution affiliated to LPHGP Shikshan Sanstha. 8) Increments and promotions as per rules are given based on performance of the staff.</p>	<p>1) During college hours free medical facility along with free ambulance service is provided to all the students. 2) The institute offers freeships to the needy students besides the Government scholarships. 3) The capability enhancement of the students is done through career counselling, soft skill development, remedial coaching, Language lab. and bridge courses. Students are motivated to participate in various training programmes, sports and cultural events. Institute publishes annual magazine- Ajanvruksha to nourish the writing skill of the students. The institute has unique practice of conducting Mentor-Mentee Sessions regularly in which small groups of students are formed for interactive learning under the guidance of faculty members. 4) Institute encourages students by awarding free laptop and sponsorship</p>

institution affiliated to LPHGP Shikshan Sanstha. 8) Faculty members are felicitated for their achievements performance. 9) Transport facility is provided at subsidized rate for teaching staff. 10) There is a provision of study leave for updating qualification of staff. 11) Group mobile scheme is implemented for the staff.	9) Free transport for non-teaching staff. 10) Group mobile scheme is implemented for the staff. 11) There is a provision of study leave for updating qualification of staff.	for international tour to the meritorious students.
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6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute has a practice of conducting internal and external financial audits regularly. External Audit: The external audits of the institute is done for the year 2019-20 through external Auditor, M/s. U. R. Baraliya Co., Khamgaon. After scrutinizing the financial details of the institute, the external auditor suggested the standard procedures to be followed. The external auditor verified the vouchers, bills, bank balance deposit receipts, and stock registers. The observations made by the external auditor were discussed with college Principal/Management and clarifications were obtained from the accountant. The accounts are audited regularly and there are no major audit objections till date. In the case of minor audit objections, the account section informs the matter to the management of the institute, and then it is sent to the external auditor for consultation. The actions suggested by the external auditor to redress audit objections are followed strictly. Internal Audit: The internal audit for the year 2019-20 was conducted through the internal audit committee. The report of the internal audit was presented to the Principal. Additionally, the Registrar and accountant reviewed all the details regarding bank balance, payments and other financial transactions with the help of the Tally software on monthly basis. These reviews helped to keep proper checks and ensured that the procedures of the account section were followed. The Payments and Receipts statements audited by the external and internal auditors were properly maintained for the last financial year.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Shiv Collection	7000	IGNITE Event Sponsorship
View File		

6.4.3 – Total corpus fund generated

7000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority

Academic	Yes	Dr. D. S. Talwankar, Principal, G.S. Science ,Arts and Commerce College ,Khamgaon	Yes	Dr. C. M. Jadhao, Principal, MGICOET, Shegaon
Administrative	Yes	Dr. D. S. Talwankar, Principal, G.S. Science ,Arts and Commerce College ,Khamgaon	Yes	Dr. C. M. Jadhao, Principal, MGICOET, Shegaon

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Parent-Teacher Meet of first year students as orientation programme held on 8th August 2019. 2. Parent-Teacher Meet of first year students, to review overall progress of students on 18th May 2020. 3. Parent-Teacher Online Meet of final year students, to make parents aware about Performance and Placement of students on 30th May 2020.

6.5.3 – Development programmes for support staff (at least three)

1. Voting Awareness Program: VVPAT and EVM Demo Sessions conducted for staff on 21st August 2019. 2. Induction Training Program for staff held on 6th September 2019. 3. Awareness on ICT tools for online teaching platforms like Zoom, Google meet conducted on 7th April 2020. 4. Webinar for Staff "Life after COVID" conducted on 25th April 2020.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Participation of students in Smart India Hackathon-2020. 2. Establishing Institute Innovation Council (IIC). 3. The institute has participated in the Unnat Maharashtra Abhiyan of the Government and received the funds for development of the adopted villages by the institute.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	No
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Workshop on "Strategic Action Plan for year 2019-20"	03/01/2020	03/01/2020	04/01/2020	63
2019	Meeting of Internal Quality Assurance	22/07/2019	22/07/2019	22/07/2019	15

	Cell (IQAC)				
2019	Meeting of Internal Quality Assurance Cell (IQAC)	14/10/2019	14/10/2019	14/10/2019	15
2020	Meeting of Internal Quality Assurance Cell (IQAC)	13/01/2020	13/01/2020	13/01/2020	15
2020	Meeting of Internal Quality Assurance Cell (IQAC)	08/05/2020	08/05/2020	08/05/2020	15
2019	Feedback Taken from Students (Odd Sem)	09/11/2019	09/11/2019	13/11/2019	859
2020	Feedback Taken from Students (Even Sem)	04/05/2020	04/05/2020	09/05/2020	847
2019	Feedback Taken from Parents(Odd Sem)	09/11/2019	09/11/2019	13/11/2019	266
2020	Feedback Taken from Parents(Even Sem)	04/05/2020	04/05/2020	09/05/2020	256
2020	Feedback Taken from Alumni	17/02/2020	17/02/2020	17/02/2020	46
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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)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International Women's Day Celebration	09/03/2020	09/03/2020	28	11
Programme on "Save girl child and girls literacy, 'Beti Bachao Beti	19/12/2019	26/12/2019	28	22

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Percentage of power requirement of the College met by the renewable energy sources is 47.38. Annual power requirement met by the renewable energy sources (in KWH) : 51609 Total annual power requirement (in KWH) : 108928

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	No	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	2	Nil	29/07/2019	45	Gnosis Plus Soft Skill Development/Aptitude/Personality Development/Group Discussion and Personal Interviews	Soft skill and aptitude training programme	868
2020	10	Nil	02/02/2020	02	Industrial Visit	Bridge the gap between academia and actual industrial	245

						need	
2020	3	Nil	03/03/2020	01	Industrial Visit	Bridge the gap between academia and actual industrial need	116
2020	1	1	18/05/2020	36	MOCK CET Exam	Conduct ion of Mock Cet exam for Jr. College students	361
2019	Nil	1	07/08/2019	01	Blood Donation Camp I	Organising blood donation camp	61
2019	Nil	1	19/11/2019	01	Blood Donation Camp II	Organising blood donation camp	50
2019	Nil	1	09/07/2019	01	Tree Plantation Programme I	Environmental awareness	87
2019	Nil	1	15/07/2019	01	Tree Plantation Programme II	Environmental awareness	75
2020	Nil	1	24/02/2020	01	Swachh Bharat Abhiyan	Cleanliness campaign in bus Stand premises	42
2019	Nil	1	19/12/2019	08	Swachh Bharat Abhiyan	Cleanliness campaign regarding used of toilets in nearby areas (Gram Takli Viro)	54

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
MGICOET Code of Conduct	15/07/2019	The code of conduct was

prepared and implemented by the institute on 21 May 2017. It is revised first time on 21 July 2018. Second time it is revised and updated on 15 July 2019. It serves the guideline to maintain ethical standards and it supports the institutional framework for achieving the Vision. It is expected that all the teaching, nonteaching staff and students should strictly adhere to the code of conduct mentioned in this document. The code consists of rules and regulation policies for smoking, Drug and Alcohol Free Workplace, Human Rights, Diversity, Preventing Sexual harassment, Violence in the Workplace Conflicts of Interest, Attendance and Dress code. It also clearly defines all the responsibilities and duties of teachers, nonteaching staff and students.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Guest Lecture by Prajapita Bramha Kumari Kendra Khamgaon	10/01/2020	10/01/2020	40
Yoga Day Celebration	21/06/2019	21/06/2019	50
Yoga Therapy and Dhyan Camp	20/09/2019	20/09/2019	40
Guest Lecture on Womens Empowerment by Dr.Smita Tarale (Pundalik Maharaj College,Nandura)	22/12/2019	22/12/2019	50

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

Most of the students are ferried to the college by a fleet of college buses thus reducing the pollution that would have been caused, had the students attended the college using their bikes. Staff and students are urged to use car

pool and bike pool as per their convenience which results in saving of fuel and emissions. In addition to this, "Save fuel save mother earth" cycle rally is organized by students every year. 1) Plastic Free Campus: MGI-COET campus is plastic free. Students are motivated to shun use of plastic. Plastic bags are prohibited in the campus so as to minimize the plastic waste. Plastic waste is collected and properly disposed. 2) Clean Campus Institute organizes "Swachh Bharat Abhiyan" every year for keeping campus clean. 3) Paperless Office Most of the communication and recording keeping is done through e-mails, Whatsapp and ERP customized DRONA Software leading to minimization of paper usage. 4) Solar Plant A clean energy source, Roof top Solar PV plant of capacity 40 KW with two sets of inverter is installed in the campus. 5) Green Landscaping Proper landscaping and greenery over the entire campus is the first step towards curbing the pollution. Institute has spacious campus surrounded by cultivated green fields. Campus land is properly utilized for plantation, and gardening. In the college campus, around 500 trees have been planted through Green Environment awareness and NSS programmes and are being maintained. Green landscaping of the campus is being done steadily. Due to all these initiatives the carbon footprint of the entire college is negligible.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Institutional Best Practice on Teaching-Learning Process 1. Title of the Practice: Mentor-Mentee Scheme (MMS) for Interactive Group Learning. 2. Objectives of the Practice • To foster human values, friendship and healthy relationship among the students. • To enhance students educational, social and personal growth through learning from the experience of mentors. • To enhance aspirations of students and increase their confidence through interactions and conduction of various activities. • To provide platform for open and unrestricted communication between senior and junior students that is not only about academics but also about different aspects of student's life. • To impart wisdom and advice, to mentees with the freedom to make own decisions. • To provide an objective person of the same age to discuss problems/concerns. 3. The Context The following observations were instrumental in the implementation of Mentor-Mentee scheme. • Most of the students in the institute are from rural background therefore they were quite slow in accommodating themselves into the culture/ambience of a technical institute. • The fresher and second year students were quite shy in interacting with the staff and students which had an adverse impact not only on their academic performance but also on their overall personality development. • It was realized that interaction among students is more effective (due to same age group) compared to the interaction between staff and students. 4. The Practice For the practice to be carried out, the students from each class and each branch are divided into small groups of 15 to 20 students. For each group of first year students a separate group of fourth year student has been assigned. Similarly, for each group of second year students a separate group of third year student is assigned. Thus, the first year students are mentees and fourth year students are acting as mentors to them, similarly the second year students are mentees and third year students are playing role of mentors for them. A separate weekly slot is provided for this session. A faculty member is assigned as an observer for each mentor-mentee group and a separate location is provided for each group to carry out the MMS session smoothly. Through mentor-mentee activity, mentor shares information regarding what to study, how to study, projects to take up, internship opportunities, co-curricular, extracurricular activities etc. On the other hand, mentee brings in new questions, ideas and enthusiasm to the mentor. Group discussions, aptitude test, technical vocabulary, technical games and quizzes etc. are also conducted. Consequently, the mentor-mentee session becomes a mutually beneficial process for both the mentor and mentee students.

5. Evidence of Success • Due to interactions during Mentor-Mentee sessions healthy relationship among students has been established without any senior or junior complexes. • No ragging incident happened in the campus. • The overall academic performance of students improved. • Due to bridging of the gap between the students, participation of students in various activities improved which is evident in the smooth and successful organizations of various events particularly a two day Mega Techno-Cultural event 'IGNITE'.

6. Problems Encountered and Resources Required As the sessions are planned every week, a separate dedicated slot was needed to be assigned in time table without hampering the curriculum which was a major problem. Apart from this, changing the mindset of students by motivating and encouraging them to take active participation in the activity was a difficult task. Institutional Best Practice on Students Admission Process

1. Title of the Practice: "Connect to Society"
2. Objectives of the Practice The objectives of the best practice adopted by the institute are: • To establish the relations with the school students of the region by conducting technical events and counselling programmes for them. • To support the financially weaker students for higher education. • To motivate the outstanding students by rewarding them for sponsored international study tour.

3. The Context Increasing number of new institutes and Universities run by Government and private organizations led to competition among the higher education institutes. These institutes offer variety of job oriented courses and programmes to the students. The frequent changes in the curriculum are not possible for the institute due to its affiliated status. The institutes providing quality technical education and making students employable are only in demand. In view of this, it is a challenging task to attract number of students for the admissions, particularly for the college located in rural area. The college offers many certificate programmes to bridge the gap between the curriculum and the industry demand. The institute takes additional efforts to conduct training programmes, short term courses and workshops for the all-round development of the students. However, it is observed that the students aspiring to take admissions are unaware of the best practices and quality initiatives taken by the institute. In this regard, the institute has adopted the best practice of "Connect to Society" programme wherein many measures are taken to establish the relations with the aspiring students and in turn with society at large. This practice enables to provide awareness about the state-of-the art facilities, quality practices, and accomplishments of the institute to the students aspiring to take admissions in the engineering programme. It also

- gives an opportunity to the faculty members to interact with the school and junior college students for motivating them for engineering education and offering career guidance.
3. The Practice The "Connect to Society" - a best practice of the institute is implemented to get recognition from the society so as to increase number of admissions to the institute. The programme is mainly two pronged: Focus on the school and Junior college students aspiring for higher education and support to current students of the college. For the aspiring students, the college runs following activities on regular basis.
1. Organizing technical lectures, workshops, career guidance programmes and life skills programmes for the school and Junior college students in their campus itself. This activity enables to connect with the students who dream to be part of the institute in future.
2. Every year, the college organizes 'Science Exhibition' for the School level students which provides platform to showcase their ideas and talent. The school students visit to the state-of-the art laboratories of the institute during the programme.
3. The college organizes annual Project Exhibition wherein the engineering projects of the current students are demonstrated. The parents, and school students from the nearby region visit the exhibition. The students are motivated by giving them 'Dnyanmurti Award' to the outstanding project work which is useful to society.
4. The nearby schools and college students visit the institute under 'Visit to Campus' programme. The faculty takes a lecture for the students during the

visit in addition to their campus tour. For the current students of the institute, following practices are adopted under "Connect to Society". 1. Every year, the college motivates the outstanding students by rewarding them for sponsored international tour. The students are selected on the basis of weightage given for academics as well as co-curricular and various extracurricular activities. Also, the toppers in the first year examination are rewarded with laptop every year, on 15th August. 2. The college support financially to the economically weaker students in their higher education by way of running "Dattak Yojana". Under this scheme, tuition fees, hostel fees and transportation charges of the students are waived off depending on their condition and assessment. This scheme led to establish strong connect with society since the stakeholders recognize the initiatives taken by the institute in offering quality education in rural area. 3. 'Connect to Industry'- practice offers working tie-ups with the industries of repute. This leads to increased placement, internships and sponsored projects to the students. The college has established linkages with many industries for the exchange of knowledge. 4. Evidence of Success The best practice of "Connect to Society" has delivered significant outcome in establishing strong connect with the stakeholders. The college received many recognitions and gained reputation in the society in short span of period. Due to which, number of admissions in the first year are found to be increasing, every year. Students found to be highly motivated for learning and their self-development. The placement of the students in reputed industries and multi-national companies is also increased in the previous years. 6. Problems Encountered and Resources Required For the organization of an international tour and running "Dattak Yojana", the most significant challenge is to manage with the limited funds available with the institute. The institute is a self-financing institution and thus faces the scarcity of financial resources. Therefore, the major problem to implement this practice is to mobilize the funds. Due to such limitations, to sustain these activities become a challenge.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://mcoet.mauligroup.org/IOAC-best%20practices.html>

7.3 – Institutional Distinctiveness

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

The vision of the institute is "To be premier Institute in Technical Education and Research producing socially responsible and globally acceptable professionals". To achieve this vision, the thrust of the institute is on the overall development of the students who are mostly from rural area and belong to economically poor background. It is observed that the admitted students lack in various skills such as communication, leadership abilities, life skills, etc. due to relatively less exposure as compared to students from urban background. Therefore, institute's focus is on improving these skills of the students through various activities. Many community engagement programmes are also conducted to make the students socially responsible. The various skill upgrading and social activities organized by the college, beyond curriculum for the students are discussed below. Communication Skill: Institute has made it mandatory for all the first year students to enroll for the course on communication skills, even though it is not part of the prescribed curriculum. It is the innovative practice of the institute with the objective to improve the communication skills of the students in their first year only, which helps them to understand other courses, to groom skills further during their course of stay and to start preparing for placement in advance. Effective techniques such as group discussion, role plays, mock interviews, extempore, etc. are used

by an expert faculty to cover ten different modules of the course. Personality development programme: Since the institute is located in a rural area, the enrolled students lack in communication and other soft skills. Therefore, the institute started conducting soft skill development programme for all the students by external professional consultants from the academic year 2013-14. This programme led to the improvement in the overall personality development of the students which subsequently enhanced their placement. Counselling of the students: Institute has adopted unique practice of conducting mentor-mentee sessions (MMS) regularly, wherein final and third year students play roles of mentors to first and second year students, respectively. The students from each class are divided in many small groups for better interaction and effective conduction of the student-centric learning activities. The faculty members prepare action plan for these sessions and guide the students. These interactive classes are found to be useful for the exchange of ideas, learning experiences and various skills among students. Extension activities for Community: National Social Service (NSS) unit of the institute regularly conducts various activities for making students sensitive towards societal issues and human values such as Tree Plantation Programs, Blood Donation Camps, Swachata Abhiyan, teaching rural children etc.

Provide the weblink of the institution

<http://mcoet.mauligroup.org/IOAC-insti%20distinct.html>

8.Future Plans of Actions for Next Academic Year

Establishment of Incubation Center It is envisioned to establish separate Incubation center in the campus with the support from Government organizations to enhance the entrepreneurial activities for the students and staff. Research and Development: The institute has a plan to offer Ph.D. programme in Electronics and Telecommunication Engineering, Electrical Engineering, and Mechanical Engineering. This would lead to enhance the research activities of the institute. The faculty members will be motivated to apply for seeking research funds and grants from government and non-government organizations. Workshop on IPR will be organized to motivate the students and faculty members and to provide guidance on filing patents. MGI-COET has a plan to organize International level conference which would provide opportunity to the faculty members for presenting their research work. Faculty Development Programs: For professional development of the faculty members, workshops, seminars and training programmes on emerging areas such as Block Chain Technology, Crypto currency, Internet of Things, Python programming and Linux are planned. The financial support to the faculty would be provided for attending training programs organized by other reputed organizations. It is also planned to conduct training programmes for the non-teaching staff of the institute. Student Development: In future, additional certificate courses and value added courses would be offered to the students of all the departments. It is also planned to increase the internship opportunities provided to the students through establishing more linkages with the industry. All the support and guidance for internships would be provided to the students. The support and guidance for the State and National level competitive examinations would be provided to the interested students. This would lead to increase in number of students qualifying these examinations. The focus of the Training and Placement department of the institute is to offer more number of placement opportunities to the students, particularly in the core areas of the engineering. Increased placement opportunities would be provided to the students in reputed National and Multi-National companies. The institute has adopted the practice of identifying slow and advanced learners and offers a variety of programs to these students. In future, it is decided to provide additional inputs and development opportunities to the advanced learners. Also, students will be motivated to participate in project competitions and technical activities held at reputed institutions. For the overall development of the students, it is planned

to form Institutions of Engineers, India (IE) Student Chapter and to provide more opportunities for their professional development. Sports department has decided to motivate the students to participate in State and National level tournaments and to obtain recognitions and awards for the institute. Industry Linkages: The institute has plan to establish new industry linkages and MOUs with reputed industries. It is proposed to organize industrial visits for the faculty members and Industry-Institute Interaction meets for the exchange of knowledge. Guest lectures of experts from industries will be organized to bridge the gap between the curricula and actual need of industry.