



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

**MAULI GROUP OF INSTITUTION'S COLLEGE OF
ENGINEERING AND TECHNOLOGY, SHEGAON**

KHAMGAON ROAD, SHEGAON (MS)

444203

<http://wp.mauligroup.org>

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

MGI-COET is established in 2011, and managed by Late Purushottam Hari (Ganesh) Patil Shikshan Sanstha, Shegaon. It is spread over 12 acres of land. The institute envisages to provide quality education and research in the field of engineering and technology and to groom the students for serving the society with sound engineering knowledge and high moral values. The institute offers six Undergraduate and two Post graduate Programs in the field of engineering and is affiliated to S.G. B. Amravati University, Amravati. All the departments have well equipped laboratories and class rooms with ICT tools and e-resources. NPTEL local chapter of the institute is leading to offer online courses to the students. The focus of the institute is on the overall development of the students through effective curriculum delivery, industry oriented trainings, sports, co-curricular & extracurricular activities, and cultural activities. The institute is one of the preferred institutes in the region for the students due to their results in the University and placements in the industries. Our students are disciplined and cultured which is recognized and appreciated by many of our recruiters. The institute has developed many linkages with industries and academic organizations. The institute has established solar PV plant of 40 kW which reflects the consciousness towards clean environment.

Vision

"To be premier Institute in Technical Education and Research producing socially responsible and globally acceptable professionals".

Mission

The institute is committed:

1. To provide quality technical education through effective teaching-learning process.
2. To promote research culture, industry institute interaction and entrepreneurship activities.
3. To produce responsible engineers to serve the society.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Supportive, committed and visionary leadership continuously striving to excel in the academics and administration through participative and transparent management.
2. Outcome based active teaching-learning processes using adequately equipped laboratories and physical resources.
3. Qualified, experienced faculty and supporting staff working enthusiastically with 'Students First' approach.

4. Disciplined and cultured students as recognized and appreciated by many of our recruiters.
5. Strongly focused to overall development of students through co-curricular & extra-curricular activities, effective mentoring and soft-skill training programs.
6. Active training and placement cell with full-time officer.
7. Eco-friendly, clean and green campus with the essence of spirituality.
8. Effective student support system and governance through customized ERP- 'Eduplus'.
9. Encouragement and strong support for entrepreneurial activities of the students through MSME approved 'Mauli Incubation Center'.
10. Financial support and scholarships to the economically poor students.
11. Transport and hostel facilities for the boys and girls.

Institutional Weakness

1. Located in rural and industrially under developed region.
2. Relatively less flexibility in designing and revising course curriculum due to affiliated status of the institute.
3. Lack of research funding from Government and non-Government agencies.
4. No PG Programme in Mechanical, Computer and Civil engineering.
5. Relatively less progression of students to higher studies and entrepreneurship due to their poor family background.
6. Placement opportunities available for the students in core companies are relatively less as compared to IT and other sectors.

Institutional Opportunity

1. Internal revenue generation through consultancy projects, training and testing facilities.
2. Involvement of alumni for betterment of academic & placement activities.
3. Offering more number of vocational trainings and internships to students leading to employability of students.
4. Strengthening educational collaborations with reputed institutes and industries.
5. An opportunity for conducting research related to problems faced by farmers and rural society.
6. Strengthening IPR activities and filing patents on innovative projects of the faculty and students.
7. Faculty and students exchange programmes with the reputed Universities and Institutes.

Institutional Challenge

1. Difficulty in attracting and retaining more Ph.D. faculty members due to locational disadvantage.
2. To safeguard admissions and to sustain the financial stability of the institute due to increased number of technical institutes in the region.
3. Attracting core and multi-national companies (MNCs) for student internships and placements.
4. Imparting good communication skills to students who are mostly from rural and semi urban background.
5. To meet the ambitions of stakeholders and potential employers due to the gap in conventional university curriculum and growing industrial needs.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The Institute is offering six UG (B.E. programs), two PG (M.E. programs) and Three PhD Programs. Considering the technological advancements, the curriculum for the undergraduate and post graduate programs of engineering is shaped in the form of Humanities, Basic and Engineering Sciences, and Skill development courses by the affiliated University, which is implemented by the Institute. It is periodically reviewed in the BOS of the affiliated University. The Boards upgrade/scale-up the curriculum with domain content, vis-a-vis recent developments and relevance. Present Curricula duly addresses concerns and instill appreciation for issues relevant to human values, gender equity, professional ethics, sensitization towards environmental conservation and green and sustainable development among students. Further, the curriculum is enriched through the conduction of various courses imparting life skills, seminars, workshops, and technical events. At institute level, various value added certified courses, are introduced in all the departments. The continuous internal evaluation of the students is carried out for both theory and practical courses. Moodle is used for effective teaching-learning process.

Academic plan is prepared in the beginning of each semester complying with University academic calendar and communicated to students and faculty. Choice Based Credit System provides flexibility to students to pursue electives of their choice. Feedback on curriculum is obtained from the students, teachers, alumni, parents, and employers in a structured format for enrichment. All these feedbacks are analyzed and recommended to the University through Board of Studies (BoS). The students are encouraged to participate in, extracurricular activities, technical symposiums, and pursue internships which help them develop their innate creative abilities,. Along with these, field projects, and industrial visits are also arranged for the students.

Teaching-learning and Evaluation

Directorate of Technical Education, Maharashtra grants admission including reserved category in all programs on the basis of state level (MHCET) and national level entrance (JEE) examination. In a short span of time, the institute has gained recognition in the region and is preferred by the students for the admissions.

The institute has adequate number of experienced full time teachers for teaching and counselling the students. An academic calendar, Timetable, lesson plan, course outcomes, course file, lecture notes, and laboratory manuals are prepared and executed. Academic Calendar of the University is strictly adhered and followed. Pedagogical practices include diverse methods such as, class-based seminars, internships and presentations, laboratory-based learning; use of audio-visual; other ICT-based methods; project-based training/field studies. Internal Evaluation of students is done in a continuous mode during semester through diverse methods that allow students to fortify their strengths while semester end examinations are conducted by the University.

The learning levels of the students are assessed by the departments. The advanced learners are encouraged to participate in Hackathons/Design contests etc. while remedial measures are adopted for slow learners to overcome their weaknesses under the guidance of faculty. The attainment of Course Outcomes is determined for each program. To provide practical exposure to the students regular industrial visits, and in plant trainings are arranged. Seminars, expert lectures, workshops and value added courses are also arranged by the Institute. Student-centric education encourages extensive use of dialogue and discussion to facilitate interactive learning. The student-centric methods are followed in teaching and learning process to ensure interactive, participative and experiential learning. The institute follows a Mentoring system in which around twenty students are

assigned to each faculty and he/she functions as their local guardian.

Research, Innovations and Extension

The Institute has University approved research Centre for research in Electronics and Telecommunication Engineering, Electrical Engineering and Mechanical Engineering with several research scholars pursuing their PhDs at this center. The Research Promotion Cell of Institute provide important information to the faculty and staff about R&D objectives, schemes, available resources and financial benefits. The Endeavour of Research Promotion Cell is to promote quality research and to disseminate information about research project grants. The cell is also responsible to organize training programmes, IPR activities, and research publications of the faculty.

The Institute encourages the faculty to attend workshops, seminars, conferences, training programmes, Faculty Development Programs (FDP) and for filing of patents by providing financial assistance and paid academic leave. Due to this, number of publications of the institute has increased significantly in last few years. The Institute organizes national level conference every year. Students and faculty members received awards in many conferences and other events.

The activities organized by Innovation Cell, and Entrepreneurship Development Cell help the students to develop their entrepreneurial and leadership skills and come up with new business ideas. Institute has developed linkages and signed MOUs with industries and organizations. Faculty members also provide consultancy in the domain of their expertise to the industries. The faculty gets to share the generated consultancy revenue according to well defined revenue sharing policy. The Institute also focuses on social outreach for community development in the vicinity and neighboring places by conducting various community programs through NSS, blood donation camps, tree plantation and various awareness campaigns.

Infrastructure and Learning Resources

The Institute has well maintained buildings and ventilated classrooms with adequate infrastructure facilities spread over 12 acres of land which includes academic building, playgrounds, hostel, staff quarters, mess, stores, etc. Institute provides a conducive physical atmosphere and environment-friendly ambience. The institute has adequate number of class rooms, laboratories, seminar halls, computing equipment for teaching-learning. ICT tools and e-resources are available for the effective teaching-learning process.

The library of the institute (Knowledge Resource Centre) is adequately stacked with text books, reference books, journals and e-resources. Institute uses customized ERP- Eduplus which includes office module, work module, management module, library module, etc. for e-governance. The institute regularly updates the IT facilities like operating systems, memory storage, antivirus software, internet bandwidth, etc. All these support facilities are properly maintained by the college staff.

Institute provides hostel accommodation for both boys and girls and 24x7 power back up by diesel generator set. A 40 Kw PV roof top solar system greatly contributes to the green initiative of the Institute. Additionally, college has facilities for sports and cultural events which include spacious play grounds, well-equipped gymnasium, yoga room, etc. for overall development of the students. CCTV surveillance systems and Security Personnel at the main entrance make it a safe campus. The Support initiatives include a Sanitary Napkin Vending Machine and Incinerator, RO unit and Water cooler, Rest rooms for students, ramps and railings for differently abled Faculty and students.

Student Support and Progression

The Institute provides an excellent platform for holistic development of students through the Student Council, various Departmental Associations, through Intra-collegiate competitions (academic, cultural and sports), and Intercollegiate Fest (IGNITE). The economically and socially challenged students are provided with financial assistance by State and Central Government Agencies based on certain economic criteria. The Institute offers freeships to the needy students besides the Government scholarships. 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. Institute encourages students by awarding free laptop and sponsorship for international tour to the meritorious students. Students are adequately represented and involved in crucial decision making processes in most academic and administrative committees for effective decentralization. The students have active representation on various committees such as Students Council, Department Associations, Library Committee, Cultural Committee, Internal Complaint Committee, Anti-Ragging Committee, etc.

Institutes Placement Cell assist students in career identification/employment, while Entrepreneurship Development Cell motivates the students to enhance their entrepreneurial skills. Mauli Alumni Association (MAA) is actively involved in arranging alumni meet and seminars for the students. There exists an Online Student Grievance Redressal System; a student feedback system. Department associations and NSS devise various academic and cultural activities. The feedback on the curriculum and academic practices are also obtained from the alumni and parents for further enrichment. Parents are informed on regular basis about the performance of the students.

Governance, Leadership and Management

The Institute has dynamic and participative administrative structure with a strong leadership drive geared to accomplish excellence in academics, research and social outreach. Institute promotes a culture of decentralized and participative management as reflected in the composition of working of various committees and cells like, BOG, College Development Committee (CDC), Internal Quality Assurance Cell (IQAC), Internal Complaint Committee (ICC), Grievance redressal committee, etc. which include representatives from concerned stakeholders.

The Institute is committed for achieving its Vision and Mission under the visionary leadership of the Chairman and Principal of the college. The perspective plan aligned with the Vision is made available on the website. All the service rules related to recruitment and promotion are followed as per the guidelines of the statutory bodies. E-governance initiatives in the area of administration, finance, admission and examination are implemented through a customized ERP software–'Edu-Plus'. Financial budget is prepared based on the requirements from various departments and accordingly, provision is made for all the academic and administrative activities. The financial audit is done by an external auditor annually. The Institute has taken many welfare measures for the staff. Also, financial assistance is provided to the staff for attending staff development programmes, Conferences, Workshops, Seminars, etc. The IQAC regularly reviews the teaching-learning process evaluation, assessment, structure and feedbacks from all the stakeholders.

Institutional Values and Best Practices

The Institute organizes gender equity programs to sensitize the students and ensures the safety of all the students and staff through CCTV surveillance of the entire campus and 24 X 7 security at the gate. The institute has made adequate provisions for differently abled persons like ramps, rails, braille software, rest rooms, etc. Environment consciousness and tree plantation programs are organized by the institute. Also, initiatives for waste management, rain water harvesting and green practices are taken. Institute has installed roof top solar PV plant of 40 KW capacity with two sets of inverter. Industrial RO system is installed to provide clean drinking water. The Institute celebrates a number of national festivals and birth/death anniversaries of famous Indian freedom fighters/ personalities. Students actively participate in various other programs like, tree plantation, cleaning programs, blood donation, etc. To promote universal values, national values, human values, national integration, communal harmony many programs are organized. The Institute has introduced some best practices in teaching-learning such as mentoring scheme, sponsored international study tour for the students, mandatory language lab course, soft skill development programme, and national level techno-cultural event for the students.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	MAULI GROUP OF INSTITUTION'S COLLEGE OF ENGINEERING AND TECHNOLOGY, SHEGAON
Address	Khamgaon Road, Shegaon (MS)
City	Shegaon
State	Maharashtra
Pin	444203
Website	http://wp.mauligroup.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	C M Jadhao	7265-7722086486	8308848692	-	mgicoetshegaon@gmail.com
IQAC / CIQA coordinator	P M Ardhapurkar	-8551004684	8551004684	-	pm.ardhapurkar@gmail.com

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Maharashtra	Sant Gadge Baba Amravati University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	02-06-2023	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Khamgaon Road, Shegaon (MS)	Rural	12	13091

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/ Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Mechanical Engineering,	48	HSC	English	60	51
UG	BE,Computers Science And Engineering,	48	HSC	English	60	57
UG	BE,Civil Engineering,	48	HSC	English	60	50
UG	BE,Information Technology,	48	HSC	English	60	53
UG	BE,Electrical Engineering Electronics And Power,	48	HSC	English	60	48
UG	BE,Electronics And Telecommunications Engineering,	48	HSC	English	60	56
PG	ME,Electrical Power Systems,	24	B.E or B.Tech	English	12	0
PG	ME,Digital Electronics,	24	B.E. or B.Tech	English	12	2

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	3				0				75			
Recruited	3	0	0	3	0	0	0	0	43	32	0	75
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	3				0				75			
Recruited	3	0	0	3	0	0	0	0	43	32	0	75
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				97
Recruited	92	5	0	97
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				97
Recruited	92	5	0	97
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				78
Recruited	46	32	0	78
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				78
Recruited	46	32	0	78
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	0	0	0	0	0	6	0	0	9
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	37	32	0	69
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	543	0	0	0	543
	Female	492	0	0	0	492
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	2	0	0	0	2
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	74	68	65	63
	Female	64	63	58	52
	Others	0	0	0	0
ST	Male	6	0	6	5
	Female	4	5	6	6
	Others	0	294	0	0
OBC	Male	312	278	394	373
	Female	296	3	265	269
	Others	0	0	0	0
General	Male	90	91	110	110
	Female	78	75	70	62
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		924	877	974	940

Institutional preparedness for NEP

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>The institute has taken initiative to implement NEP 2020 effectively. The awareness program on National Education Policy for the faculty members is organized. The Choice Based Credit System (CBCS) is implemented as per the directions and guidelines of affiliating University - Sant Gadge Baba Amravati University, Amravati. The curriculum for all the Undergraduate and Post Graduate Programmes are revised with the emphasis on offering multidisciplinary courses to the students. The faculty members represented the institute as a member of various Board of Studies in University and actively contributed in framing the revised syllabus for all the engineering programmes. Additionally, interdisciplinary short term programmes are conducted for the students.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>The institution has registered under the ABC which allow students to avail the benefit of multiple entries and exit during their graduation. The task of coordinating the activity and registration of students is assigned to a specific faculty member. The workshop on introduction to Academic Bank of Credits (ABC) has been conducted to open the student's accounts in ABC. Particularly, all the first year students at Under Graduate level have been instructed to update their database in the ABC account. Till date, a total of 700 students have successfully registered in the account of ABC. The students are encouraged to earn the credits by completing the MOOC courses on SWAYAM platform. It is also advised to faculty members of the institute to open their accounts in ABC and earn the credits through online courses for their professional development.</p>
<p>3. Skill development:</p>	<p>The following specific initiatives are undertaken for skill development of the students. Programmes are organized to provide vocational education and soft-skill trainings to all the students of the institute on regular basis. Every year, 60 hrs of training on vocational education and soft-skill is provided to each student. Personality development activities in institutes are designed to enhance various aspects of student's personal and interpersonal skills, preparing them for success in both their academic and professional lives. Also, MoU is signed with Sorting Hat Technologies (CodeChef) Private Limited,</p>

	<p>Bangalore to conduct Periodic Practice Sessions and Assessment Based Tests for enhancing computational skills of the students. Students are encouraged to undertake Skilling courses through online mode. The institution is providing Value-based education to inculcate positivity amongst the learner that include the development of humanistic, ethical, Constitutional, and universal human values of truth (satya), righteous conduct (dharma), peace (shanti), love (prem), nonviolence (ahimsa), scientific temper, citizenship values, and also life-skills etc. Faculty members are trained through the programmes on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE), New Delhi. Every year, induction programme is organized for the students which covers the topics on Universal Human Values, scientific temper, citizenship values, and also life-skills.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>One course on Social Sciences and Engineering Economics is introduced in the curriculum which covers indian Constitution, traditions, and culture along with engineering economics. Faculty members have started delivering few courses in bilingual mode. The institute has made plans to introduce specific add-on courses related to Indian knowledge system in future. It is also decided to suggest the S.G.B. Amravati University to revise the syllabus according to the requirements of NEP 2020.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>The each programme of the institute has clearly defined Program Specific Outcomes (PSOs) and Program Outcomes (POs) which are displayed on the notice boards, laboratories and the institute website. All the teachers have defined the Course Outcomes (COs) for all the courses and are mapped with the Programme Outcomes. At the start of course delivery, faculty members inform the students about the expected course outcomes. At the end of course completion, course outcomes and program outcomes are calculated and are analysed for further improvements. Each department ensures that the attainment level of the course outcomes is achieved as per the target value. If it is not achieved, the corrective measures are initiated by the concerned teacher for improving the performance of the students in the particular course. IQAC of the institute is actively involved in guiding and monitoring process</p>

	of outcome based education.
6. Distance education/online education:	The institute has taken many initiatives to provide many opportunities for the students to upgrade their knowledge and skills through distance education/online courses. The students are motivated to undertake the courses available on different platforms such as SWAYAM, Coursera, Udemy, etc. The institute faculty members have offered the courses on Moodle platform. It provides an opportunity to conduct out-of-class activities, assignments, quizzes for significant learning of the students. The institute ERP software is used to monitor the continuous internal assessment of the students and to share learning resources. Teachers also provide e-content, databases, and Open Educational Resources to the students on Google class rooms or groups on Whatsapp. Post pandemic period, teachers have adopted to deliver courses in blended mode through effective use of ICT tools and various resources.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	The Electoral Literacy Club (ELC) has been set up in college as per the guidelines of Electoral Register Office. The students and the faculty members are involved in the club to achieve the defined objectives of the club.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Student's Co-Ordinator and coordinating faculty members are appointed by the College. The ELC is active in conducting various activities such as Voter's awareness program, celebration of Voter's day, voters registration program, etc.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	Following programs were executed by ELCs 1. National Voter's day was celebrated. 2. Voter's Registration Program was taken where some students who just completed 18 years were enrolled in electoral list. 3. Voter's Awareness Program was organized to aware the students about importance of voting. 4. EVM V V PAT voting Awareness Program was organized to aware the students with live demo of V V PAT machine.

<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>The students of NSS unit have been continuously organizing the Voter's Awareness Programs in the nearby villages to sensitize the awareness about voting among the villagers. The banners having content for advancing democratic values and motivating the participation in Electoral processes are displayed in the campus.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>1. The ELC maintains the data of all the students along with their age & identify eligible students for registering them as Voters. This data is uploaded every year. 2. The guidelines for the registration and needed support is extended to the eligible students. 3. Awareness program on importance of registration and voting is organized every year. 4. The students list is sent to the Electoral Register Office.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1007	940	974	877	924
File Description		Document		
Upload Supporting Document		View Document		
Institutional data in prescribed format		View Document		

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 147

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
71	65	66	87	69

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
111.57	26.31	30.74	64.77	143.12

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

The institute systematically prepares the action plan and maintains proper documentation for the effective delivery of the curriculum. Being an affiliated to University, Institute adheres to the syllabus prescribed by the University. The following steps are taken to ensure the effectiveness of the curriculum delivery.

- The Principal conducts meetings regularly with the Academic Coordinator and HODs to prepare various strategies for the effective planning and delivery of the curriculum.
- Academic calendar is prepared and displayed on all the notice boards and website. Co-curricular and extra-curricular activities are planned in the academic calendar based on the inputs received from the 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.
- Based on the interest and expertise 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.
- Professional and free elective courses are taken from students on the basis of Subject's choice.
- 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 a customized ERP of the Institute –“Edu plus” for effective monitoring of the curriculum delivery.
- Teaching plan for each course is prepared by the faculty members, which is reviewed by the HOD.
- All the faculty members maintain the record of both, Theory and Practical courses. During the semester, Attendance, Unit Test question papers and results are entered by faculty in ERP regularly. It is monitored by the Academic Monitoring Committee (AMC) and HOD through ERP.
- All the faculty members need to convey the status of the syllabus coverage through specially designed pro-forma for the same. HOD conducts a meeting to review the syllabus coverage.
- 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 (CIE), faculty members 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 sheets for the same.
- 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.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 80

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 76.41

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1658	1199	147	250	354

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

Integrating cross cutting issues into the Curriculum

- 1.Environmental Studies (Course code: 4ES06): Environmental Studies is a compulsory course of fourth semester for every program which addresses the issues related to environment and sustainability. Course contents are helpful to create awareness about climate change, pollution, water conservation etc. among the students.
- 2.Values and Ethics (Course code: 4ETC05): Values and Ethics is the compulsory course for electronics and telecommunication engineering students which includes Universal Human Order and Ethical Conduct, Human Rights violation and Strategies for Transition towards Value-based Life and Profession.
- 3.Engineering Chemistry (Course code: 1B2): This a compulsory course for all the first year engineering students. The part of this course is related to the environmental chemistry covering effects of pollution like ozone layer depletion, acid rain, greenhouse effect, etc.
- 4.English Communication Skills Laboratory (Course code: 1B5): This is a compulsory course added in the first year engineering curriculum which covers communication abilities. Students can present themselves well in front of a large audience on a variety of topics.
- 5.Non-Conventional Energy Sources (Course code: 6ME05): This is one of the elective courses offered by the Mechanical Engineering department which covers various non-conventional energy sources like tidal energy, solar energy, wind energy, etc. It provides the present scenario of energy consumption.
- 6.Social Science and Engineering Economics (Course code 7KS01): This is a compulsory course added in the final year seven semester Computer Science and Engineering. The part of the course is related to Social Science and Engineering Economics, which includes study of social science

like salient features of the Indian constitution. Fundamental Rights and Duties. Directive Principles of State Policy, Indian Parliament, Impact of Science and Technology on culture and Civilization, Production, Banking, Nature and scope of Economics in Engineering and Technology.

7. Professional Ethics and Management (Course Code 8KS02): Professional Ethics and Management is the compulsory course for Computer Science and Engineering students which includes Senses of Engineering and professional ethics, Ethical issues for engineers, Professional Practices in Engineering, Central Professional Responsibilities of Engineers, Intellectual Property Rights and Ethics, Computers, Software and Digital Information IT Professional relationship management with: Employers, Clients, Suppliers, IT Users, other professionals, and society at large.

Extension activities for Community:

National Social Service (NSS) unit of the institute regularly conducts various activities like National Voter Day, Cleanliness Campaign, Labour Donation Program, Voter Awareness Program, Child Health Camp, Medicines and Biscuits Distribution Program Organized at nearby rural areas.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 43.3

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 436

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on

the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

<p>2.1.1</p> <p>Enrolment percentage</p> <p>Response: 51.47</p>											
<p>2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>282</td> <td>161</td> <td>129</td> <td>177</td> <td>128</td> </tr> </tbody> </table>		2022-23	2021-22	2020-21	2019-20	2018-19	282	161	129	177	128
2022-23	2021-22	2020-21	2019-20	2018-19							
282	161	129	177	128							
<p>2.1.1.2 Number of sanctioned seats year wise during last five years</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>336</td> <td>336</td> <td>336</td> <td>348</td> <td>348</td> </tr> </tbody> </table>		2022-23	2021-22	2020-21	2019-20	2018-19	336	336	336	348	348
2022-23	2021-22	2020-21	2019-20	2018-19							
336	336	336	348	348							
File Description	Document										
Institutional data in the prescribed format	View Document										
Final admission list as published by the HEI and endorsed by the competent authority	View Document										
Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.	View Document										
Provide Links for any other relevant document to support the claim (if any)	View Document										

<p>2.1.2</p> <p><i>Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years</i></p> <p>Response: 52.56</p>
<p>2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)</p>

2022-23	2021-22	2020-21	2019-20	2018-19
157	89	82	98	88

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
200	184	194	200	200

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

**Student – Full time Teacher Ratio
(Data for the latest completed academic year)**

Response: 14.18

2.3 Teaching- Learning Process

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

The institute is committed to enhancing the learning experience of students by implementing various student-centric methods and ICT-enabled tools.

Use of ICT tools and Resources:

- The faculty members of the institute use Learning Management System (LMS)- **Moodle** to provide video lectures, presentations, lecture notes. It is also used for internal assessment of the students performance on continuous basis..
- The institute has ERP- **EduPlus Campus software**, through which teachers and students can access library modules, study material, assignments, attendance, marks, etc.
- **NPTEL local chapter** is active in the institute and **61 students** have successfully completed the NPTEL Certification.
- **Virtual Lab** which is **An Initiative of Ministry of Education Under the National Mission on Education through ICT** is implemented in the institute by having **EOI with COEP, Pune**, so that students can perform any practical online of their choice, even beyond the syllabus.
- **Smart classrooms** are available for the students.
- Various online platforms like Google Classroom YouTube, Code Chef, HackerRank, etc. are used.
- PowerPoint presentations with animations are used by teachers during lecture hours.
- Students are motivated to join various online (STTP) skill development programs organized by Excelr, Braonovision, etc.
- Virtual platform like Tinkercad- specially designed for circuit simulation of various microcontrollers, node MCUs, and embedded systems is used by the teachers.

Experiential Learning Activities:

- Pre-final year Engineering Students work on mini-projects
- Final year students work on major projects.
- Students are motivated to go for internships and field work.
- Practicals performed on beyond the syllabus topics.

Participative Learning Activities:

- Industrial and field visits were organized by the institute.
- IGNITE (a national-level techno-cultural Event)
- Seminars
- Group discussion
- Quizzes
- Workshops
- Paper Presentations

Problem Solving Methodologies:

- Various activities and competitions are organized by the student club to foster problem solving abilities of the students..
- Major Projects and Mini Projects are offered to the students.

- Participation in various inter-college and intra-college technical festivals and other competitions like Hackathons, Aavishkar, etc.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 99.72

2.4.1.1 Number of sanctioned posts year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
71	65	66	88	69

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 9.78

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
9	7	6	6	7

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The policy of internal and external assessment is conveyed to the students at the start of the session. It is also uploaded on the website. The salient features of the assessment policy are listed below.

- Choice-based internal assessment components include assignments, mini projects, surprise tests, open book tests, periodic quizzes, tutorials, group discussions, case studies, seminars, and so on.
- The unit test committee conducts two tests per semester centrally and monitors all the activities, including the setting of question papers, seating arrangements, invigilation, and declaration of results.
- The test papers are evaluated within three working days from the date of the examination to maintain the time bound and efficient evaluation system and the evaluated answer sheets are distributed among students for verification. The grievances if any, are addressed immediately in the class.
- The test marks obtained by the students are also displayed on the respective department notice boards for their information, making the evaluation process transparent.
- The results of all the components of internal assessment, such as assignments, quizzes, seminars, etc., are made available to the students.
- The student can appeal for reviewing the grades or marks awarded by the teacher, and if there is any grievance regarding the revision of the awarded grades or marks, students may appeal to the HOD.
- The detailed semester-wise academic calendar is available to students well in advance. Notices are posted well in advance for internal assessments in laboratory courses, seminars, and projects.
- Monthly attendance reports are prepared and displayed on the notice boards.
- The parents are informed frequently about the performance in internal assessments and attendance of their wards.
- An experiment-wise independent CIE proforma is intended for continual assessment of laboratory work and record-keeping.

External Assessment:

- External assessment of theory and practical is conducted by Sant Gadge Baba Amravati University.
- The examination schedule is circulated by the university.
- Theory paper setting is done by the subject chairman and subject experts, and evaluation is done by the subject experts appointed by the university.
- The final examination for the laboratory and projects is conducted with an internal and external examiner from the other institute appointed by the university.
- The university provides mechanism for the reassessment of papers if required by the students.

Grievance Redressal

- Staff and students are informed about the well-defined grievance redressal system available in the institute.
- The Internal Complaint Committee, Grievance Redressal Cell, etc. have been established in the institute.
- The institute has provided online as well offline facilities for grievance submission and its redressal.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

- The Vision and Mission statements of the institute as well as the department are displayed on the college website and at various key positions in the college building.
- Each department of the institute follows the twelve Programme Outcomes (POs) as suggested by AICTE, New Delhi.
- In addition, programme-specific outcomes (PSOs) and programme educational objectives (PEOs) are defined by all the departments.
- Course Outcomes (COs) and Laboratory Outcomes (LOs) are defined as per the syllabus using Blooms Taxonomy by the course coordinator and laboratory coordinator, which are verified and validated by the Head of the Department.
- POs, PEOs, PSOs, COs, and LOs are kept available on the respective department pages of the Institute website.

- POs, PEOs, and PSOs are also displayed on the notice boards of the HOD cabin and every laboratory of the departments.
- LOs are displayed in the respective laboratories of the departments.
- The HODs create awareness about POs, PEOs, PSOs, COs, and LOs among students and faculty members.
- At the beginning of every course, the faculty member creates awareness amongst students about course outcomes and laboratory outcomes in the classroom as well as in laboratory interactions.
- Hard copies of syllabi and POs, PEOs, PSOs, COs, and LOs are available in the departments for ready reference by the teachers and students.

Website Link for CO's & PO's:

Department	Link
Civil Engineering (B.E.)	https://wp.mauligroup.org/c-peos-pos-psos/
Computer Science & Engineering (B.E.)	https://wp.mauligroup.org/cse-peos-pos-psoscse/
Electrical Engineering (B.E.)	https://wp.mauligroup.org/e-peos-pos-psos/
Electronics & Telecommunication Engineering (B.E.)	https://wp.mauligroup.org/peo-po-entc/
Information Technology (B.E.)	https://wp.mauligroup.org/peo-po-it/
Mechanical Engineering (B.E.)	https://wp.mauligroup.org/m-peos-pos-psos/
First Year (B.E.)	https://wp.mauligroup.org/ash-cos-and-cos-attainment/

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

Attainment of COs, POs, and PSOs: The assessment of COs, POs and PSOs attainment is based on a combination of Direct and Indirect Methods, which are then used to determine the final assessment.

Direct Methods:

Direct Attainment is combination of Continuous Internal Evaluation (CIE) and Semester End Examination (SEE). Two Unit Tests and choice based components (CBC) are assessment instruments for all the courses of CIE.

CO attainment through CIE

Attainment is measured in terms of actual percentage of students getting set percentage of marks.

- Attainment Level 1: 60% of students score more than 60% marks out of the maximum relevant marks.
- Attainment Level 2: 70% of students score more than 60% marks out of the maximum relevant marks.
- Attainment Level 3: 80% of students score more than 60% marks out of the maximum relevant marks.

CO attainment through SEE

Semester End Examination (SEE) is conducted and evaluated by the affiliating University.

The proportional weightages of CIE: SEE is 25:75.

- Attainment Level 1: 40% of students score more than 40% marks out of the maximum relevant marks.
- Attainment Level 2: 50% of students score more than 40% marks out of the maximum relevant marks.
- Attainment Level 3: 60% of students score more than 40% marks out of the maximum relevant marks.

Indirect CO Attainment

The course exit survey is conducted at the end of each semester and the analysis is carried out to determine the score in the Course Exit Survey. The attainment levels obtained by direct methods and course exit survey are combined to get the final level of attainment.

Computation of Attainment of COs = (0.9 Direct CO Attainment) + (0.1 Indirect CO Attainment)

CO-PO & PSO Mapping

- Each CO can be identified to address a subset of POs & PSOs.
- Based on the course identify the strength of mapping (1, 2 or 3) to POs & PSOs.
- Calculate the average of each PO and PSOs.

PO & PSO Attainment

- To obtain the Semester wise PO & PSO attainment use these formulae

Semester wise PO Attainment = (Respective CO-PO Mapping*CO Attainment Level)/3

Semester wise PSO Attainment = (Respective CO-PSO Mapping*CO Attainment Level)/3

- Calculate the PO & PSO attainment for each course following the above formulae.
- The average of the PO & PSO attainment obtained for each semester will give direct PO & PSO

attainment for respective semester.

- Overall direct PO & PSO attainment is obtained by averaging the both semester PO & PSO attainment.
- Indirect PO & PSO attainment is obtained from the student feedback on POs & PSO.
- The formulae for Overall PO Attainment & PSO Attainment

Overall PO Attainment = (Average of PO Attainment*0.8+Indirect PO Attainment*0.2)

Overall PSO Attainment = (Average of PSO Attainment*0.8+Indirect PSO Attainment*0.2)

- Target set is the average of last five years overall PO & PSO Attainment.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 86.85

2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
209	238	287	246	202

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
256	308	295	250	252

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document

2.7 Student Satisfaction Survey

<p>2.7.1</p> <p>Online student satisfaction survey regarding teaching learning process</p> <p>Response:</p>	
File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 1

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
01	00	00	00	00

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

The institute has developed an ecosystem for innovations and research and takes initiative through various programmes for the creation and transfer of knowledge. The college organized different awareness programs for faculty, research scholars and students.

- To create awareness about Indian Knowledge System, a Seminar by Shrimat Swami Tanmayanandji Maharaj from SRKVSA, Ambikapur Chhattisharh, was organized.
- Books on Indian Knowledge System are available in the library.
- The Institutional Innovation Council cell is established in the institute and various innovation programs are organized by the cell.
- The college organizes programs on Intellectual Property Rights in order to promote research and development activities.
- Computer Department Organized one week STTP on “How to analyze and Write Quality

Research Papers” to improve research paper academic writing skill

A Research Promotion Cell (RPC) has been constituted. The RPC cell:

- Promotes quality research in all the disciplines.
- Disseminates information about research project grants.
- Facilitates sending of research proposals to research funding organizations;
- Organize training programme for capacity building of teachers for applying and conducting research projects;
- Extends hassle free administrative support for completing the Research projects;
- Emphasizes IPR activities, research publications in journals, and paper presentations in reputed conferences and seminars.
- Motivates the faculty to pursue research degrees and post-doctoral research.

As a result of all these initiatives, the number of research publications and PhD registrations has increased, which subsequently leads to knowledge/technology transfer.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 27

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
10	06	01	03	07

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 1.43

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
39	27	04	41	99

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.1

3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
08	06	00	00	00

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

The holistic development of students takes place through the various activities organized by the student chapter of each department. All the students and faculty members participate actively in the programs organized for networking with the neighborhood community. Mock CET is organized every year for the students of 12th class to provide practice for their final entrance exam. This initiative is appreciated by many parents of the students.

The institute promotes institution-neighborhood-community network by involving students in regular activities related to social responsibilities of the institute through National Service Scheme (NSS) student associations like Computer Science & Engineering Students Association, Electronics Students Association, Mechanical Engineering Students Association, Electrical Engineering Students Association and Civil Engineering Student Association.

The NSS Unit of the institute organizes the following activities on a regular basis:. Yoga Day in collaboration with Patanjali Centre Shegaon, Tree Plantation, Covid Vaccination, Camp "Mission Kavach Kundal" in collaboration with Phule Shahu Ambedkar Rural Health Centre Shegaon, and Labour Donation (Shram Dan) at River, Village Takli Viro, Shegaon, Maharashtra, in collaboration with Grampanchyat Takli Viro, Shegaon, Maharashtra. Child Health Camp, Blood donation camp in collaboration with Dr. Akshay Tayade, Shegaon, Maharashtra Medicines and Biscuits distribution Program in collaboration with Lions Club Khamgaon, Maharashtra Veterinary Checkup Camp, Cleanliness Awareness Campaign, Guidance on Agriculture, and Celebration of 'Gajanan Maharaj Palkhi Sohla' and 'Gajanan Maharaj Pragat Diwas' every year.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

- The NSS unit and the committee for Extension Activities of the institute takes efforts to motivate the students for participating in various activities. One of the students, Mr. Jeevan Dhandar is awarded and recognized by NSS Cell, Ministry of Higher and Technical Education, Government of Maharashtra for achieving third rank in Utkash 2022-2023 - State Level Social and Cultural activity held at at Punyashlok Ahilyadevi Holkar Solapur University, Solapur during from January 2, 2023 to January 5, 2023. He has demonstrated exemplary skills, knowledge, and a deep understanding of the NSS initiatives and objectives. His proactive engagement, innovative ideas, and effective implementation strategies have made a significant impact on the NSS initiatives and have set a high standards for others to follow.
- NSS Unit of the college organizes blood donation camps on regular basis and is actively involved in providing blood to the nearby hospitals. These services of the college have been duly recognized by the government hospital in Shegaon and the government-recognized blood bank for the organization of blood donation camps every year.
- The institute has started an initiative of tree plantation drive in collaboration with HDFC Bank, Shegaon every year. The activity on environment conservation is highly recognized by the collaborating partner.
- The college has identified one village- Gaigaon, Ta. Shegaon, DIst. Buldhana for carrying out various extension activities involving active participation of students. The programs on Environment conservation, health, women empowerment, cleanliness drives, etc. are conducted for the village. The contribution of the institute in development of the village is appreciated by the Gram Panchayat.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 40

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
13	13	02	05	07

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 22

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

The institute has established all the physical and academic facilities such as class rooms, laboratories, equipment, seminar halls, computing center, etc. required to offer active learning opportunities to the students.

I. (a) Academic Facilities

i) Classrooms: The institute has more than **22 classrooms** with adequate facilities such as Furniture, blackboard, projector, fans, lights and power backup. Each department has one digital/smart classroom with LCD projector, sound system and internet connectivity facilities.

ii) Laboratories: Institute features **38 well equipped laboratories** with LCD projector, softwares, sound system and internet facilities.

iii) Seminar Halls : Institute has fully equipped seminar halls with

- LCD Projector,
- white board facility
- WI-FI
- Audio-Video facilities to conduct conferences, seminars, workshops, expert lectures etc.

iv) Computing Equipment: There are **324 computers** in the Computer centre, Language lab, Web Tech lab, DBMS lab etc. out of which **90 computers** have been added in A.Y. 2022-2023. Also, every department has a computer laboratory which is utilized for Internet surfing, aptitude tests, project development etc.

v) Transportation Facility: The Institute operates a reliable bus transportation system for students. This bus facility caters to the need of students travelling to college from various locations of the city and provide convenient and affordable access to the campus.

vi) Hostel Facility: The institute provides well-equipped and managed hostels for students. These on-campus accommodations offer convenient access to academic facilities. By providing affordable and accessible housing options, the Institute empowers students to focus on their academic pursuits and

achieve success.

(b) ICT – Enabled facilities

i) Smart Classrooms: The institute has smart classrooms equipped with a variety of technological tools, such as Interactive screens and audio-visual systems. This allows faculty to create more engaging and interactive learning experiences for their students.

ii) Smart Cloud based solution-ERP: The institute has cloud based ERP software-”Eduplus” which is a multipurpose ERP software. This bundled solution has all the features that are needed to handle the required activities from admissions to fee payment and student administration.

iii) LMS Facility: The institute offers LMS facilities-’MOODLE’, which improve student learning through a user-friendly and interactive platform. Moodle is an LMS platform for faculties in our college campus for distributing course material like notes, PPT and question bank etc. to the students.

II. Cultural and Sports facilities

i) The institute always gives importance to sports, games and cultural activities. All the seminar halls, auditorium and open air cultural centre are provided with adequate facilities to conduct various cultural activities. Institute also provides adequate facilities for:-

- Sports activity.
- Youth Festival.
- IGNITE (a national level Techno-cultural event).
- Unmesh (Gathering Function).

The campus has a 14000 sq.m. playground for sports such as cricket, football, volleyball, handball, kabaddi, kho-kho etc. Sport and gym facilities are offered to both students and staff members.

Sr.No.	Sports	Area
1	Volleyball	170 Sq.meter
2	Kabaddi	130 Sq.meter
3	Kho-Kho	400 Sq.meter
4	Football	1500 Sq.meter
5	Athletics	1600 Sq.meter

ii) Yoga Centre & Gymnasium

Institute has a dedicated Yoga Centre & Gymnasium, where health and wellness are at the forefront. The Institute has adequate space dedicated to fitness and relaxation.

List of equipment in the Gymnasium:

- Bench press
- Dumbbells
- Chest Exercise Machine
- Barbell pads

- Weight Plates
- Skipping rope
- Chest fly machine

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 41.37

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
37.40	4.35	0.71	24.85	88.45

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

College central library (knowledge resource center) has a spacious built up area with proper sitting arrangement for users. Library follows an open access system encouraging the users to browse in the stock area. It is fully automated using the following Integrated Library Management System.

- Name of ILMS software: EduPlus Campus
- Nature of automation: Fully
- Version: ERP Software
- Year of Automation: 2011-12

The library has about-

Description	Numbers
No. of Books	20226 Books
No. of Titles	9213 Titles
No. of Journals / E-Journals	911 Journals
Reading Hall Seating Capacity	100 Students
Periodical Section Seating Capacity	50 Students
Total Library Carpet Area	400 Sq. meter

Central Library Services -

1. Online Access to ebooks, e-journals and Paper Journals
2. Online Access to Library Information Service through eduplus Software
3. Round the Clock Internet Facility
4. Reprographic Services at Nominal rate
5. Providing book sets to all the students
6. Dedicated NPTEL Server
7. Books for Competitive exam – Such as GATE, CAT, MPSC, UPSC, NDA, SSB, BANKING, etc
8. CAS (Current Awareness Service) and SDS (Selective Dissemination service)
9. Adopted open Access system
10. DELNET Subscription
11. Adopted Dewey decimal classification system.
12. Book Bank facility

EduPlus Campus enables the library users to know a list of records of presently available books within the library. All books in the library are bar-coded. The computers provided in the library are connected with LAN & WI-FI facility is also enabled in the library. College library's subscriptions to e-resources and journals gives access to students such as **Calibre, NDL** for a wealth of information and resources that can support their academic success.

All the users can access library resources online through user accounts. The separate links for students and faculties are given below.

Student Login: <https://maulilearner.edupluscampus.com/>

Faculty Login: <https://maulilibrary.edupluscampus.com/>

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

1. Upgraded network infrastructure:

Internet facility is provided in the campus to all the faculty members and students. **102 Mbps** bandwidth is available.

(20Mbps-BSNL,32Mbps-RailTel Corporation and 50Mbps Jio)

2. Renewal of Antivirus software(Quickheal) Annually:

In order to protect huge amounts of data from viruses, Trojans, botnets, rootkits, ransomware, and from all types of malicious software, the institute has renewed installed antivirus software. All these antivirus software are renewed and modified whenever necessary.

3. Renewal of Sophos (Firewall):

Institution has migrated from **Cyberroam** to **Sophos** for enhanced gateway level network protection and superior security.

4. Upgradation of ERP software:

To enhance operational efficiency,strengthen data management capabilities,effective implementation of academic and administrative activities the institute has implemented the next generation '**EduPlus**'- **ICT/ERP cloud based solution**,replacing the existing **DRONA** system. It includes:

- Admission Module
- Administrative & accounts Module

- Academics Module- Student login,Employee login,Parents login
- HR Module
- SMS Module
- Library Module etc.

5. Upgradation of CCTV Cameras and Wi-Fi facility:

To avoid the unlawful activities in college campus and to maintain discipline, **60 CCTV** cameras are configured at various locations covering all over the campus. WiFi facility is available in the campus.

6. UPS

Institute has acknowledged the hassles caused due to interrupted power backup system and so to overcome this problem, institute has a dedicated HT power supply, Generator backup and added two more

10 KVA UPS devoted to the Computer System, Server Room, CCTV & Network Racks.

UPS	Laboratory	No. of PC
UPS 1	Computer Center	50
	OOPs Lab	20
UPS 2	WebTech Lab	23
	DBMS Lab	22
	Hardware Lab	23
UPS 3	Server Room	07
	Seminar Halls	01
	Principal Office	03

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 3.11

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 324

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure

<p>4.4.1</p> <p><i>Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)</i></p> <p>Response: 55.43</p>														
<p>4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>66.69</td> <td>21.57</td> <td>28.70</td> <td>37.49</td> <td>54.25</td> </tr> </tbody> </table>					2022-23	2021-22	2020-21	2019-20	2018-19	66.69	21.57	28.70	37.49	54.25
2022-23	2021-22	2020-21	2019-20	2018-19										
66.69	21.57	28.70	37.49	54.25										
File Description	Document													
Institutional data in the prescribed format	View Document													
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document													
Provide Links for any other relevant document to support the claim (if any)	View Document													

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 91.21

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
923	860	854	823	847

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	View Document
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	View Document
Upload policy document of the HEI for award of scholarship and freeships.	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 48.03

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
698	476	132	428	534

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

<p>5.2.1</p> <p>Percentage of placement of outgoing students and students progressing to higher education during the last five years</p> <p>Response: 52.31</p>														
<p>5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>112</td> <td>121</td> <td>114</td> <td>165</td> <td>200</td> </tr> </tbody> </table>					2022-23	2021-22	2020-21	2019-20	2018-19	112	121	114	165	200
2022-23	2021-22	2020-21	2019-20	2018-19										
112	121	114	165	200										
<p>5.2.1.2 Number of outgoing students year wise during the last five years</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>256</td> <td>308</td> <td>295</td> <td>250</td> <td>252</td> </tr> </tbody> </table>					2022-23	2021-22	2020-21	2019-20	2018-19	256	308	295	250	252
2022-23	2021-22	2020-21	2019-20	2018-19										
256	308	295	250	252										

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 1.85

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2022-23	2021-22	2020-21	2019-20	2018-19
01	03	01	03	04

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University /

state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 10

5.3.1.1 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 wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
04	01	00	04	01

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 15

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
19	16	00	20	20

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1

There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Name of Registered Alumni Association: Mauli Alumni Association (MAA)

Registration No.: Buldhana/0000005/2017

Date of Registration: 8 December 2017

About MAA: The association has the office bearers, constituted bi-laws, formal governing body with principal as the ex-officio member. A Convener and one faculty representative from each department lead the MAA. The Institute has introduced “**Vaave**”, an alumni portal in the month of October 2023 for connecting with the alumni. The association now has easy access to the alumni through this interface. “**Vaave**” also helps in finding job opportunities and industry internships.

Significant Contributions of MAA:

a) **Financial Contributions:** Association has a separate bank account (a/c No.60300886125). It is mandatory for all the passing out students to register as alumni after their results. The registration fee is **Rs.500/-**. The total number of Alumni contributed till date are **1275**.

b) **Non-Financial Contributions:**

Alumini members has contributed in the following activities for the college.

- Guest Lecture
- Alumina Talk
- Opportunities for Internship/ Industry visits/Projects
- Curriculum Development
- Support for Training and Placement

Social Media Links :

Facebook Link :

<https://www.facebook.com/profile.php?id=100074526362851>

Instagram Link :

https://www.instagram.com/mgi_coet_alumni_official?igsh=MmVlMjlkMTBhMg==

Telegram Link :

<https://t.me/+zDXpwql2htY4MTZI>

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

Late Purushottam Hari (Ganesh) Patil Shikshan Sanstha (LPHGPSS) has been founded by Late Gajanandada P. Patil in 1987 with one of the objective to provide high-quality technical education to all sections of the society. Under LPHGPSS's, Mauli Group of Institutions, College of Engineering and Technology was established in 2011 with the following Vision and Mission.

Vision of MGI-COET:

“To be premier Institute in Technical Education and Research producing socially responsible and globally acceptable professionals”

Mission of MGI-COET:

The institute is committed:

- To provide quality technical education through effective teaching-learning process.
- To promote research culture, industry institute interaction and entrepreneurship activities.
- To create responsible engineers to serve the society.

Nature of Governance:

The institute has a hierarchy of leadership to ensure achievement of Vision through stated mission. The college has established various academic and administrative committees for taking policy decisions and its effective implementation. The leadership at the institute is provided by the Chairman who is an eminent person to guide the college ably assisted by Principal, Registrar and Heads of academic Units. Efficient and smooth governance is implemented through

- Board of Governors
- College Development Committee
- Internal Quality Assurance Cell
- Grievance cell,
- Admission committee etc.,

The officials of the institute interact with stakeholders like Students, Alumni, Parents, Industry, and Employees periodically and takes their feedback. The efficiency and effectiveness of the management is visible in its various unique best practices. Recently, the institute has taken lead role in implementation

of NEP-2020. The management is supporting the institution in taking several measures to adhere to the NEP- 2020.

- The students of the institution have registered for Academic Bank of Credits (ABC) through Digi-locker
- The college has contributed significantly in revising teaching schemes of the University and offered various Program Elective courses, Multi-disciplinary courses, courses on Indian Knowledge System, etc.
- The management motivates to take several initiatives that develop the skills of the students and promote Technical education

Participation of the teachers in the decision making process:

Involvement in decision-making impacts teacher’s effectiveness, which subsequently improves student success. Several committees and cells are formed to **decentralize** the administrative and academic activities, and teachers are represented on various academic and administrative committees as shown below thereby contributing in making decisions related to academic as well as administrative issues.

- Board Of Governors
- College Development Committee
- Internal Quality Assessment Cell
- Disciplinary and Anti-Ragging Committee
- Internal Grievance Redressal Committee
- Internal Complaint Committee
- Research Promotion Cell
- Training and Placement department
- Library Committee, etc.

- 1.The decisions made on some crucial issues in Principal’s meeting are submitted to the management for approval.
- 2.Collective meeting of all staffs are also arranged for crucial decision if necessary.The institute involves all faculty members & staff in both academic decision-making and the implementation of new initiatives.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and

procedures, etc

Response:

The institute has prepared perspective plan for its overall development with the objective of providing quality technical education to the students.

The perspective plan and deployment is given below

Institutional Strategic Goals (ISG)		Deployment
Good Governance	e-governance	Updated ERP software is procured and implemented.
	Polices & Guidelines	Policies are updated HR Manual is revised
	Financial Management	Funds are mobilised & used properly.
	Funds mobilization	
Quality Assurance Systems	NAAC Accreditation	Institute has ISO certification and also participated in NIRF & preparing for NAAC cycle II.
Accreditation/NIRF Ranking	NBA	
	NIRF Ranking	
	ISO	
HR Development	Leadership and Management trainings	Training and development programmes are conducted
	Staff development Programmes	
	Staff Welfare Measures	Medical insurance, fees concession to ward of staff
	Performance Appraisal System	Appraisal system for staff is implemented.
Teaching-Learning and Evaluation	Innovation in Teaching-Learning	Introduction of LMS in Teaching learning process.
	ICT Resources & Tools	ICT facilities are upgraded and trainings are conducted
	Internal Assessment	Rubrics are designed for Internal Assessment.
Students Holistic Development	Value education	UHV sessions are conducted.
	Skill enhancement Programmes	Soft skill training and foreign language programmes are conducted.
	Competitions	Hackathons, IGNITE
	Value Added Courses	Students are motivated & separate committees are formed for monitoring of activities.
	Online course-	
	NPTEL/Swayam/etc.	
	Sports	
Cultural Activities		

Placement, Internship & Development	Trainings	Industry Linkages	Placement & trainings are offered to the students through increased industry linkages and frequent visits of the specially deputed staff.
	& Career	Placement Drives	
		Trainings Career Development	
Alumni Engagement		Alumni Meet	Alumni meets, talk and collaborative activities with alumnae are organized
		Alumni Talks	
		Alumni contribution	
Physical & Academic Facilities		Physical Facility Up gradation	Financial provision is made to upgrade labs and to renovate T & P and seminar hall.
		Academics Facilities	
Entrepreneurship		ED Cell Activities	ED Cell is active to conduct programmes.
		Start-ups	Incubation centre of institute is approved by MSME and the support is extended to students
		Incubation Support	
Research, Innovation & Development		Research Promotion Cell Activities	<ul style="list-style-type: none"> • Research Promotion Cell is established • International Conference is organized
		Activities of IIC	Innovation activities are conducted under IIC
Community Services & Extension Activities		Activities of NSS and Students Chapters	Medical camp, cleanliness drive and voter awareness programme for adopted village.
Inclusive Environment		Gender Equity & Promotion	Gender Equity policy is framed and audit is conducted.

- BOG is responsible for governing and strategic planning of the institute. Principal is entrusted with execution of all the formulated policy matters related to both academic and administration.
- The CDC & IQAC plays an important role in improvising the academic and administrative practices of the institute on a continuous basis.
- All HODs conduct regular meetings for smooth functioning of the department. Additionally, there are other independent committees and cells working under the Principal. The registrar of the institute takes care of the office administration assisted by the Office superintendent and Accountant.
- The institution strictly follows the norms laid down by the UGC, AICTE, Government of Maharashtra and the University related to appointments, promotions, other academic matters as well as administrative and financial matters.

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

<p>6.2.2</p> <p><i>Institution implements e-governance in its operations</i></p> <p>1. Administration 2. Finance and Accounts 3. Student Admission and Support 4. Examination</p> <p>Response: A. All of the above</p>	
File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

<p>6.3.1</p> <p>The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression</p> <p>Response:</p> <p>Appraisal & 360 Degree Feedback form for Teaching Staff</p> <p>For the teaching staff, Performance appraisal & 360 Degree Feedback form is implemented in the institute as per the guidelines of UGC/AICTE which has two parts.</p>

- In part A: General information, Teaching Process, Students' Feedback, Institute Activity and Contribution to Society are assessed on the basis of contribution of the teaching staff.
- In part B: General attributes include ten different parameters related to behavioral aspects and attitude of the faculty towards the authorities, colleagues and subordinates on the basis of that overall Annual Confidential Report gradation of respective faculty is done.

At the end of each academic year, all teaching staff members are asked to submit their self-assessed reports, along with supporting documents, to their respective heads of departments. After confirming and evaluating each teaching staff member, the HOD or the reporting officer prepares the report and submits these verified assessment forms along with the summary to the Principal for final endorsement and further course of action.

Performance Based Appraisal System for Non-Teaching Staff

The Registrar and Principal provide their final approval after the corresponding HOD or section in charge completes the performance evaluation of non-teaching staff. All employees must submit their information in an organized way in order to be considered for the assessment. The performance of the non-teaching personnel is evaluated using ten distinct parameters, each of which is given a weight of five marks. The staff is evaluated using a five-point rating system.

Welfare measures for staff

The college recognizes the role and contributions of the staff members in the development of the institute. The institution offers a number of welfare programs for both teaching and non-teaching staff in an effort to improve employee well-being.

- Free accommodation facility is provided for needy staff in hostel.
- Financial assistance is provided to faculty to participate in training programs, workshops, conferences and publication of books.
- Fee concession to wards of supporting staff is provided.
- Free bus facility is provided for staff members.
- All the staff members are covered under medical insurance.
- Various leaves such as maternity leave, marriage leave, medical leave and casual leave are provided as per rules.
- Salary advance is given for needy staff members.
- On subsidized rates medical treatment is given in Mauli hospital managed by the institute's trust to the staff and their family.
- Sports events are conducted for staff on sports day and prizes are awarded.
- Special programs on health and fitness, yoga and meditation are arranged for staff.
- Institute motivates faculty members for the consultancy work of industries
- Staff is felicitated for their achievements and good performance.
- Fees concession to Faculty who enrolled for Ph.D.
- Institute gives consultancy share to faculty members for the consultancy work of industries.
- Staff is felicitated for their achievements and good performance.
- Fees concession to faculty for national and international tour.

The Institute is aware that its vision cannot be achieved without the committed faculty. The institutes' management considers human resources to be essential for success. Every year, the

performance of both teaching and non-teaching staff is evaluated.

Steps taken by institute for career development or progression of staff

Institute gives due weightage to the carrier development of faculty members and staff. For this STTP/FDP and training programs are regularly organized by the institute.

File Description	Document
Upload Additional information	View Document

6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 2.79

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
04	01	00	03	02

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	View Document

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 56.19

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
55	25	63	74	01

6.3.3.2 Number of non-teaching staff year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
30	00	00	00	00

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from

various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Strategies for resource mobilization:

For effective and efficient working of the institute the funds and resources are mobilized through:

- Student Fees
- Resource utilization of institute (Online & Offline external Exam)
- Donations
- Consultancy services

The main source for funds mobilization for the institute is the fees collected from the students. The amount of fees for every year is controlled and approved by the Fee Regulating Authority (FRA) appointed by State Government. On the basis of funds collected through fees from the students, the annual budget is prepared for the institute. It includes recurring and non-recurring expenses such as salary, equipment, programs, and development expenses. This annual budget of the institution provides the basic idea of the potential income and expenditure involved in upcoming academic session. The following procedure is adopted for preparing the annual budget. Every department creates the budget based on needs for consumables, computers, and other equipment.

- Each department prepares the budget based on the requirements such as equipment, computers as well as consumables.
- Budget for the departments is prepared by concerned HODs, in consultation with the department laboratory in-charges and other faculty.
- The departmental budgets are discussed by the Principal at HOD's meeting and then sent to the management for approval.
- While making provisions for the departments, priorities, needs and requirements of various committees and development / up-gradation of department is considered.
- The budget is reviewed by the management, committee and approved after necessary changes.
- The sanctioned Budget is utilized for the proposed activities. Accounts section monitors the expenses against the budget provision. As and when required, the institute makes a provision for advance/ additional funds.

Resource Utilization:

The available funds are utilized effectively for the specified purpose. The Principal and the heads discuss the requirements and decide the priorities while allotting financial resources for various purposes and ensuring optimum use of available financial resources. As per the requirements, quotations are invited from different vendors/suppliers and the vendors providing the best quality and best price are selected for the procurement. The purchase committee ensures that the proper procedures for the procurement of the equipment or other purchases are followed.

External Audit:

The external audits of the institute is done annually through external Auditor, M/s. U. R. Baraliya & Co.,

Khamgaon during the month of April-May. After scrutinizing the provided financial details of the institute, the external auditor suggest the standard procedures to be followed. The external auditor verifies the vouchers, bills, bank balance deposit receipts, and stock registers. Usually, the observations made by the external auditor are discussed with college Principal/Management and clarifications are obtained from the accountant.

The accounts are routinely audited, and thus far there have been no significant audit objections. When there are minor audit objections, the account section notifies the institute's management, who then forwards the matter to the external auditor for review. Strict adherence is maintained to the steps recommended by the external auditor to address audit objections.

Internal Audit:

The Internal audit of the institute is conducted annually by the Registrar and accountants. They review all the details regarding bank balance, payments and other financial transactions with the help of Tally software & Eduplus ERP software. This audit help to keep proper checks and ensures that the procedures of the account section are followed.

File Description	Document
Upload Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The IQAC at MGICOET plays crucial role in institutionalizing the quality assurance strategies and processes. The significant contributions of IQAC during last five years are given below.

- 1.Feedback from all stakeholders and its analysis for the improvement and Action Taken Reports
 - 2.IQAC Meetings are conducted regularly.
 - 3.Both, internal and external Academic and Administrative Audits (AAA) of the institute
 - 4.Preparation and submission of Annual Quality Assurance Report (AQAR) for NAAC.
 - 5.Teaching-Learning and Evaluation
- Curriculum planning, syllabus completion, attendance of students and their performance is monitored on ERP
 - Students Mentoring system is revised and monitored by IQAC.
 - Changes in Internal Assessment of Projects and Seminar – Rubrics are designed for evaluation of

student's performance.

- Implemented Outcome Based Education. OBE Manual is prepared and made available to all the stakeholders for their ready reference.
- Organized workshop on 'COs, POs & PSOs: Assessment & Attainment' on 18th Oct. 2023.
- Faculty members are trained to adopt Student-centric learning strategies in classrooms.
- Use of ICT in teaching learning is enhanced.
- ERP – EduPlus is effectively used for library automation and other administrative work. ISTE-AICTE Grant was received to conduct three online Faculty development Programme on 'Active Teaching-Learning Process'.

6. Revision and updating formats for record keeping

- Review and approval of the revised Faculty Performance Appraisal Format
- External Audit forms
- Academic Calendar
- Gender Audit Form
- 360 Performance based Appraisal form
- Format for student Satisfaction Survey Analysis

7. Preparing and Updating Policy documents

- e-governance policy
- Policy on Green initiatives: Waste Management
- Research promotion policy
- New Internship policy
- Consultancy Policy
- Establishment of Facility Management Cell (FMC) for effective maintenance and utilization of resources. Policy document is prepared for maintaining and utilizing Physical, academic and support facilities of the institute.
- Internship Policy to offer more opportunities to the students.

8. Preparedness for implementing NEP 2020

- Workshop on National Education Policy (NEP) -2020: Structural Changes and Academic Reforms was organized on 14/12/2022.
- One day workshop on Diversity, Equity and Inclusion in HEI was organized on 11 January 2023.

9. Developing ecosystem for research innovations and Incubation

- Organized International Conference on Sustainable Multidisciplinary Advances in Research and Technology (SMART)- 2023
- Research Proposals were sent to various Government funding agencies.
- Entrepreneurial activities are increased through workshops, competitions and MSME programmes, etc.
- Incubation centre is established in the campus which is approved by MSME, New Delhi.
- Institution Innovation Council (IIC) is established under AICTE New Delhi.
- Three major departments are recognized and approved for PhD Research Centres by SGBAU.

- Civil Engineering department received grant from AICTE to conduct Survey of the field.

10. Institutional Strategic goals and perspective plan

- IQAC conducted workshop on ‘Strategies for Marching towards Excellence’ to frame post-accreditation strategies for improving further (12-13 December, 2018.)
- IQAC conducted Post Admission Students Survey (PASS) and analysed to prepare the roadmap for improving admissions to the institute.
- ‘IQAC Activity – Together Towards Tomorrow’ was conducted on 24 December 2022.

11. Holistic development of students

- Technical Training Programmes on Python, PLC, Automation, IPR are conducted to increase placement opportunities of the students.
- Soft Skills Training Programmes, Competitions and value added courses are conducted for the students.

12. Industry linkages and collaborative activities:

- MoUs are signed with various industries and collaborative activities are organized.

13. Community based extension programmes:

- Participated in Unnat Bharat Abhiyan and received the funds.
- Various programmes such as Blood Donation Camp, Water Awareness, and Cleanness Companion are organized.

File Description	Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Initiatives Taken for Promoting Gender Equity in the Campus.

1. Gender Audit

The gender audit is conducted annually with the objective to ensure gender balance in the campus by providing equal opportunities for all the students and staff without any kind of gender bias. The audit report is analyzed and corrective measures are taken on the basis of feedback.

2. Women Empowerment

The Women Empowerment Cell at the institute was established with the aim of empowering and orienting women to recognize their true potential and to help them attain their own stand in a competing world.

3. Women Safety

In order to ensure safety of the students, particularly women, following measures are taken.

- Campus-wide CCTV surveillance for enhanced security.
- Mandatory ID cards for students and visitor screenings by security personnel.

4. Health and Hygiene Facility for Women

The institution's initiatives for health and hygiene for women are:

- Separate Girls common room.
- Separate boys' and girls' washroom for privacy.
- Sanitary napkin vending and disposal units.
- Availability of an ambulance on campus.
- Free medical checkup and medical facility.

5. Internal Complaints Committee

The institution established an Internal Complaints Committee to address any complaints from students, teaching and nonteaching members and take necessary action. The institute has a zero tolerance policy towards any such transgression.

6. Physical Facilities

The institution provides the following physical facilities for female students and staff.

- Dedicated hostel for female students.
- Supervision by a residential warden and two female faculty members to address hostel-related concerns.
- Additional facilities like mess, internet access, study rooms, entertainment areas, and 24-hour power backup for convenience.
- Free bus facility is provided to the female faculty members.

7. Support System: The institution runs effective mentorship programs to aid academic, emotional, social, and cognitive growth of the students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1.Green audit / Environment audit**
- 2.Energy audit**
- 3.Clean and green campus initiatives**
- 4.Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of

students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

The college has taken a systematic approach to develop an inclusive environment in the campus. IQAC of the institute has conducted workshop on 'Diversity, Equity and Inclusion (DEI) in Higher Education Institutions (HEI)' for the staff members during the academic year 2022-23. Many activities and programs are conducted regularly to build and promote an environment for ethical, cultural, and spiritual values among the students and staff members. A specific committee is formed to celebrate cultural and regional festivals, like Fresher Party, teacher's day, cultural day, orientation and farewell program, Induction program, rally, oath, plantation, Youth Day, Women's Day, Yoga day, festivals like Diwali, Anand Mela celebration, Holi Milan celebration, New Year celebration, etc. Also, invited talks are arranged on specific topics to inculcate national values of social and communal harmony and national integration among the students and staff members.

The NSS Unit of the institute conducts awareness programs on the ban on plastics, cleanliness, Swachh Bharat, etc. involving students. A code of conduct is prepared for the students and staff which supports in providing an effective, safe, accessible and inclusive learning environment to all the students irrespective of their caste, religion, race, sex, social and economic status. The awareness programs on constitutional obligations about values, rights, duties, and responsibilities of citizens are conducted for the students and the employees of the institution.

A policy document on gender equity and the audit is conducted to ensure that there is no gender bias in the campus while offering learning opportunities to all the students and professional development of the teachers.

The institution celebrates national and international commemorative days, events and festivals with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. These programs help to spread the message of Unity, Peace, Love, and Happiness. Every year, International Yoga Day and National voter day is also celebrated in the campus. Electoral Literacy Club of the institute conducts awareness programs for the students and encourage them to exercise their rights during elections.

File Description	Document
Upload Additional information	View Document

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Best Practice - I

1. Title of the Practice: Students Mentoring Program

2. Objectives of the Practice

Mentoring is an essential aspect of student support in higher education. It is a necessary component in order to provide equitable service to all students from diverse backgrounds. Faculty members are expected to provide advice to both undergraduates and postgraduates. The following are the goals of student mentoring:

- To enhance teacher-student contact hours.
- To enhance students' academic performance and attendance.
- To minimize student drop-out rates.
- To identify and understand the plight of slow learners and encourage advanced learners.

3. The Context

The following observations were instrumental in the implementation of Mentoring Program

- The college is located in a rural area, with students from low-income households. The majority of the students are first-generation college students.
- 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.

4. The Practice

Every Department has introduced the Mentoring system and it follows the guidelines given below

- 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. They also monitor the semester wise academic progress of the students and their participation in extracurricular activities.
- Mentor provides guidance to the students about courses, projects, internship, opportunities regularly along with the personal counseling.
- Students meet mentors regularly in groups and individually when personal counseling is required.
- If there are any health issues or continuous absenteeism of the students, mentors communicate to their parents.
- HOD and Academic Monitoring Committee monitor the record of mentoring program.

5. Evidence of Success

Although the Student-Counseling system has been in place since 2017-18, the Mentoring system was improved in 2022-23. Some of the success points are:

1. There is no ragging case and any kind of grievances among the student groups.

2. The mentoring program has proved to be highly effective in solving students' problems.
3. Student academic performance and their participation in co-curricular and extra-curricular activities is continuously improved.
4. The placement of the student has been enhanced.

6. Problems Encountered and Resources Required

It was challenging to manage the teaching load and available time slots with the faculty members for the mentoring program. To resolve this issue, it was decided to provide exclusive time slot in the time table for the mentoring of all the students.

Best Practice -II

1. Title of the Practice: Sponsoring International tour every year for the outstanding students to motivate them.

2. Objectives of the Practice

The various objectives of International tour are:

- To motivate the students to be more productive in academics as well as in co-curricular and extracurricular activities.
- To expose students to different cultures, traditions, and ways of life, fostering cultural awareness, tolerance, and open-mindedness.
- To motivate the students for progression to higher education in international campuses.

3. The Context

Globalization has made it possible for students to work for Global MNCs and Foreign Corporations. Higher self-awareness, staying current with market demands, improved global cultural understanding, and other factors can provide students with the information and skills needed to flourish in their field. For this reason, worldwide exposure is quite beneficial to their profession.

It has been found that students frequently put out less effort in co-curricular and extracurricular activities. Their self-involvement in the curriculum is also lower than it should be. In light of this, the institution decided to fund one student from each department for a foreign tour based on their performance in both academics and extracurricular activities. It was hoped that by using such a reward-based approach, students would exhibit increased interest and involvement in the curriculum as well as co-curricular and extracurricular activities. Motivating students to balance co-curricular activities and studies leads to their overall growth.

4. The Practice

For academic and professional development of students, the college has started sponsored International tour from 2017-18. Till now, the tours at Singapore, Malaysia and Dubai are arranged for the faculty and students. IQAC of the institute has developed a policy document for selection of the students for their

sponsorship.

Following practice is adopted for selecting students for International Tour:

1. Interested students submit the application in the prescribed format along with the photocopies of all the supporting documents and mark-sheets.
2. Pre-final year UG student from each discipline is selected for the tour.
3. The selection of the students is strictly based on the combined score calculated from the academic performance and the participation in the Curricular and Extracurricular activities.
4. Student's academic performance is determined from their university results (CGPA) up to 5th Semester or up to 4th Semester if the 5th semester results are not declared by the University till the date of evaluation process.
5. The detailed guidelines for the evaluation of combined score of the students and their results are displayed on the respective notice boards.

5. Evidence of Success

Participating in an international tour arranged by the college offers numerous benefits to students.

- It gives rich learning experiences and create lasting impact on personal and professional development of the students.
- An international exposure added great value to their CVs and provided recognition during their placement interviews.
- Students got motivated to participate in various co-curricular and extracurricular activities and thus their participation in such activities increased.
- It is noted that the students are enthusiastic in pursuing higher studies and internship/summer school certification from the international university.

6. Problems Encountered and Resources Required

For scheduling the tour, it is necessary to obtain permissions from the organizations where the tour is planned. Also, obtaining visa for all the students is a time-consuming process. Therefore, many times it is observed that, it hampers the academic calendar and teaching-learning process. 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. Also lack of funds limits the numbers of students for the tour.

File Description	Document
Any other relevant information	View Document
Best practices as hosted on the Institutional website	View Document

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

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 skill 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 are organized by the college for the students.

Following strategies are used to transform the learners for making them to serve industries. It equips students with the skills and attitude needed to secure better job opportunities or to become entrepreneurs.

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. Institute regularly conducts soft skill development programme for all the students by external professional consultants. This programme led to the improvement in the overall personality development of the students which subsequently enhanced their placement.

Mentoring of the students: Institute has emphasis on mentoring of the students to help and support them to cope with the difficulties and failures in life. It is intended to have student-faculty interaction that could lead to many benefits for the students, especially in their first year such as in academic achievement, lifelong learning skills, persistence, intellectual and social development. 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 co-curricular activities. Regular meetings are arranged with a commitment to advancing the student’s career through an interpersonal engagement that facilitates sharing guidance, experience and expertise. It also helps

students to alleviate distress, enhance wellness, utilizing their best potentials and facilitate the process of growth and achievements.

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.

Developing inclusive learning environment: The institute has taken many initiatives to create inclusive environment leading to development of all the students on equitable basis. For this purpose, every year survey in a structured format is conducted to obtain the students data. It helps to understand and analyse the diversity and socio-economic disparities of the enrolled students. On the basis of this study, various programs are planned for the students to foster understanding and empathy among the students having varied social, economic, and cultural status. Also, gender audit and other programs are conducted regularly to advance gender equality and to empower women in the campus. Due to these unique initiatives of the institute, social cohesion and inclusivity among the students is observed in the campus. There are no cases of the ragging or any kind of grievances among the students groups.

Motivating performing students: Every year pre-final year student from each programme is selected on the basis of his/her performance in the academics and co-curricular activities for sponsoring their international study tour. All the University Rank holders are recognized with certificates and mementos in the annual program of the institute. Every year on 26th January, a laptop is awarded to first rank holder among all the students of first year.

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

1. The institute is awarded with Best Emerging Institute Award from ISTE, New Delhi and Best Engineering College of the year from Academic Insight Magazine.
2. Best Technical Institution in Rural India for Academic Excellence awarded to the institution from Asia Today Research and Media.
3. Best Principal of Technical Institution in Rural India Award to Principal, Dr. C. M. Jadhao from Asia Today Research and Media.
4. Best Principal (Engineering) Award to Principal, Dr. C. M. Jadhao by ISTE New Delhi.
5. Institution Innovation Council (IIC) is established under AICTE New Delhi.
6. New Programme, B.E. in Information Technology is introduced and approved by the University.
7. 'Mauli Incubation Centre' is established and approved by MSME, New Delhi. Entrepreneurial activities are increased through workshops, competitions and MSME programmes, etc.
8. Initiatives are taken to increase placement in core and multi-national companies through increased industry linkages, MoUs and conducting soft skill training programmes.
9. More effective ERP–EduPlus is being used for e-governance.
10. Institute is prepared to implement National Education Policy (NEP) effectively from 2024-25.
11. Three major departments are recognized and approved for PhD Research work by S.G.B. Amravati University.
12. ISTE-AICTE Grant was received to conduct three online Faculty development Programme on Active Teaching-Learning Process.
13. Academic, computing facilities, ICT tools and laboratory equipment are upgraded during last five years.
14. Green initiatives are taken through effective solid waste management, Energy and Green Audits.
15. Courses for learning Foreign Languages are offered to the students.

Concluding Remarks :

MGI-COET, Shegaon has a clear Vision to impart quality technical education and is striving hard to achieve it through well-defined mission. In this regard, the institute has made a significant progress during the last five years. Post accreditation, college has updated many policies and taken initiatives such as adopting more student-centric learning strategies, use of ICT tools and resources and e-governance. The institutional Strategic Plan is updated and the resources are deployed to achieve the defined goals. The institute has created atmosphere conducive for academics and overall development of both, the students and faculty. The college is well prepared to implement NEP-2020 effectively. All the stakeholders are actively involved in decision making process thereby reflecting decentralization and participative management of the institute. The institute is continuously augmenting the infrastructure and capabilities for further enrichment.