# YEARLY STATUS REPORT - 2022-2023

## Part A

## Data of the Institution

**1.Name of the Institution**

Mauli Group of Institution's,College of Engineering and Technology,Shegaon

- Name of the Head of the institution — Dr. C. M. Jadhao

- Designation — Principal

- Does the institution function from its own campus? — Yes

- Phone no./Alternate phone no. — 07265-7722027506

- Mobile no — 8308848692

- Registered e-mail — mgicoetshegaon@gmail.com

- Alternate e-mail — cmjadhao@gmail.com

- Address — Khamgaon Road, Shegaon

- City/Town — Shegaon

- State/UT — Maharashtra

- Pin Code — 444203

**2.Institutional status**

- Affiliated /Constituent — Affiliated

- Type of Institution — Co-education

- Location — Rural

- Financial Status                                      **Self-financing**

- Name of the Affiliating University          **Sant Gadge Baba Amravati University,Amravati**

- Name of the IQAC Coordinator              **Dr. P. M. Ardhapurkar**

- Phone No.                                              **8551004684**

- Alternate phone No.                               **8551004684**

- Mobile                                                   **8551004684**

- IQAC e-mail address                              **iqacmcoet@gmail.com**

- Alternate Email address                         **pm.ardhapurkar@gmail.com**

**3.Website address (Web link of the AQAR (Previous Academic Year)**       https://mcoet.mauligroup.org/IQAC/AQAR/2021-22/AQAR%202021-22.pdf

**4.Whether Academic Calendar prepared during the year?**       **Yes**

- if yes, whether it is uploaded in the Institutional website Web link:       https://mcoet.mauligroup.org/academic%20calendar.html

**5.Accreditation Details**

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|---|---|---|---|---|---|
| **Cycle 1** | **A** | **3.03** | **2018** | **26/09/2018** | **25/09/2023** |

**6.Date of Establishment of IQAC**       **15/11/2016**

**7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,**

| Institutional/Department /Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---|---|---|---|---|
| **NIL** | **NIL** | **NIL** | **NIL** | **NIL** |

**8.Whether composition of IQAC as per latest NAAC guidelines**       **Yes**

- Upload latest notification of formation of IQAC       View File

**9.No. of IQAC meetings held during the year**      04

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?      **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report      No File Uploaded

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

- If yes, mention the amount

**11.Significant contributions made by IQAC during the current year (maximum five bullets)**

• Students Mentoring Programme is updated and its implementation is monitored effectively. • In order to create the inclusive environment in the campus, Gender Audit along with the awareness programme is conducted. Also, Workshop on "Diversity, Equity and Inclusion (DEI) in Higher Education Institutions (HEI)"was organized on 11 January 2023. • Awareness Programme on National Education Policy 2020 was organized for the faculty members. • Academic and Administrative Audit of all the departments is conducted by IQAC. • Students and Faculty members are motivated to take NPTEL courses. A separate committee is formed to monitor the student's participation.

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

| Plan of Action | Achievements/Outcomes |
|---|---|
| **To conduct awareness programme on National Education Policy 2020 and its implementation.** | **Awareness programme on National Education Policy 2020 was organized on 14 December 2022.** |
| **To organize alumni meet and arrange lecture series for the current students.** | **Alumni meet was organised on 21 January 2023.** |
| **To organize special workshop on sensitization on diversity, equity and inclusion to develop inclusive environment in the campus.** | **Workshop on** |
| **To conduct national level technical and cultural event - IGNITE for the students.** | **National level technical and cultural event - IGNITE 2k23 was organized on 20- 21 January 2023 for the students.** |
| **To conduct Academic and Administrative Audit of the institute** | **Academic audit of all programmes and administrative audit of all departments include Library, Sport, Administrative Office, T & P, Alumni Association, ED Cell were conducted.** |
| **To take feedback from all the stakeholders and analyze the feedback** | **Feedback session on curriculum for all stakeholders was conducted and analyzed that feedback.** |
| **To organize Intellectual Property Awareness Program for the students and faculty members.** | **Intellectual Property Awareness Program for the students and faculty members was organized on 23 February 2023.** |
| **To conduct Professional Development Programme for the faculty members** | **Various Professional Development Programme for the faculty members were conducted during A.Y. 2022-23.** |
| **To encourage the students to earn the credits by completing the MOOC courses on SWAYAM platform.** | **Students were motivated to enroll in online courses on SWAYAM platform. Institute has coordinated the entire online learning.** |

27-04-2024 02:51:29

| | |
|---|---|
| To conduct the IQAC meetings on regular intervals and carry out periodic review of teaching-learning process at the campus. | IQAC meetings on regular intervals were conducted and carried out periodic review of teaching-learning process at the campus. |
| To enhance the entrepreneurial activities for the students and staff. | Various workshops and bussiness idea competition activities were organized for the students and staff. |
| To offer additional certificate courses and value added courses to the students of all the departments. | Certificate courses were offered for the students. |
| It is also planned to increase the internship opportunities provided to the students through establishing more linkages with the industry. | Various internship opportunities were provided to the students and established more linkages with the industry. |
| The institute has plan to establish new industry linkages and MoUs with industries. | New industry linkages and MoUs are signed with industries and collaborative activities are also conducted. |

## 13. Whether the AQAR was placed before statutory body?

**Yes**

- Name of the statutory body

| Name | Date of meeting(s) |
|---|---|
| Board of Governors | 29/01/2024 |

## 14. Whether institutional data submitted to AISHE

| **Part A** | |
|---|---|
| **Data of the Institution** | |
| **1.Name of the Institution** | Mauli Group of Institution's,College of Engineering and Technology,Shegaon |
| • Name of the Head of the institution | Dr. C. M. Jadhao |
| • Designation | Principal |
| • Does the institution function from its own campus? | Yes |
| • Phone no./Alternate phone no. | 07265-7722027506 |
| • Mobile no | 8308848692 |
| • Registered e-mail | mgicoetshegaon@gmail.com |
| • Alternate e-mail | cmjadhao@gmail.com |
| • Address | Khamgaon Road, Shegaon |
| • City/Town | Shegaon |
| • State/UT | Maharashtra |
| • Pin Code | 444203 |
| **2.Institutional status** | |
| • Affiliated /Constituent | Affiliated |
| • Type of Institution | Co-education |
| • Location | Rural |
| • Financial Status | Self-financing |
| • Name of the Affiliating University | Sant Gadge Baba Amravati University,Amravati |

| | |
|---|---|
| • Name of the IQAC Coordinator | **Dr. P. M. Ardhapurkar** |
| • Phone No. | **8551004684** |
| • Alternate phone No. | **8551004684** |
| • Mobile | **8551004684** |
| • IQAC e-mail address | **iqacmcoet@gmail.com** |
| • Alternate Email address | **pm.ardhapurkar@gmail.com** |

| | |
|---|---|
| **3.Website address (Web link of the AQAR (Previous Academic Year)** | https://mcoet.mauligroup.org/IQAC/AQAR/2021-22/AQAR%202021-22.pdf |
| **4.Whether Academic Calendar prepared during the year?** | **Yes** |
| • if yes, whether it is uploaded in the Institutional website Web link: | https://mcoet.mauligroup.org/academic%20calendar.html |

**5.Accreditation Details**

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|---|---|---|---|---|---|
| **Cycle 1** | **A** | **3.03** | **2018** | **26/09/2018** | **25/09/2023** |

| | |
|---|---|
| **6.Date of Establishment of IQAC** | **15/11/2016** |

**7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,**

| Institutional/Department /Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---|---|---|---|---|
| **NIL** | **NIL** | **NIL** | **NIL** | **NIL** |

| | |
|---|---|
| **8.Whether composition of IQAC as per latest NAAC guidelines** | **Yes** |
| • Upload latest notification of formation of IQAC | View File |
| **9.No. of IQAC meetings held during the year** | **04** |
| • Were the minutes of IQAC meeting(s) | **Yes** |

| | | |
|---|---|---|
| and compliance to the decisions have been uploaded on the institutional website? | | |
| • If No, please upload the minutes of the meeting(s) and Action Taken Report | No File Uploaded | |
| **10.Whether IQAC received funding from any of the funding agency to support its activities during the year?** | **No** | |
| • If yes, mention the amount | | |

**11.Significant contributions made by IQAC during the current year (maximum five bullets)**

• Students Mentoring Programme is updated and its implementation is monitored effectively. • In order to create the inclusive environment in the campus, Gender Audit along with the awareness programme is conducted. Also, Workshop on "Diversity, Equity and Inclusion (DEI) in Higher Education Institutions (HEI)"was organized on 11 January 2023. • Awareness Programme on National Education Policy 2020 was organized for the faculty members. • Academic and Administrative Audit of all the departments is conducted by IQAC. • Students and Faculty members are motivated to take NPTEL courses. A separate committee is formed to monitor the student's participation.

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

| Plan of Action | Achievements/Outcomes |
|---|---|
| To conduct awareness programme on National Education Policy 2020 and its implementation. | Awareness programme on National Education Policy 2020 was organized on 14 December 2022. |
| To organize alumni meet and arrange lecture series for the current students. | Alumni meet was organised on 21 January 2023. |
| To organize special workshop on sensitization on diversity, equity and inclusion to develop inclusive environment in the campus. | Workshop on |
| To conduct national level technical and cultural event - IGNITE for the students. | National level technical and cultural event - IGNITE 2k23 was organized on 20- 21 January 2023 for the students. |
| To conduct Academic and Administrative Audit of the institute | Academic audit of all programmes and administrative audit of all departments include Library, Sport, Administrative Office, T & P, Alumni Association, ED Cell were conducted. |
| To take feedback from all the stakeholders and analyze the feedback | Feedback session on curriculum for all stakeholders was conducted and analyzed that feedback. |
| To organize Intellectual Property Awareness Program for the students and faculty members. | Intellectual Property Awareness Program for the students and faculty members was organized on 23 February 2023. |
| To conduct Professional Development Programme for the faculty members | Various Professional Development Programme for the faculty members were conducted during A.Y. 2022-23. |
| To encourage the students to earn the credits by completing the MOOC courses on SWAYAM platform. | Students were motivated to enroll in online courses on SWAYAM platform. Institute has coordinated the entire online learning. |

| | |
|---|---|
| To conduct the IQAC meetings on regular intervals and carry out periodic review of teaching-learning process at the campus. | IQAC meetings on regular intervals were conducted and carried out periodic review of teaching-learning process at the campus. |
| To enhance the entrepreneurial activities for the students and staff. | Various workshops and bussiness idea competition activities were organized for the students and staff. |
| To offer additional certificate courses and value added courses to the students of all the departments. | Certificate courses were offered for the students. |
| It is also planned to increase the internship opportunities provided to the students through establishing more linkages with the industry. | Various internship opportunities were provided to the students and established more linkages with the industry. |
| The institute has plan to establish new industry linkages and MoUs with industries. | New industry linkages and MoUs are signed with industries and collaborative activities are also conducted. |

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

- Name of the statutory body

| Name | Date of meeting(s) |
|---|---|
| Board of Governors | 29/01/2024 |

**14.Whether institutional data submitted to AISHE**

| Year | Date of Submission |
|---|---|
| 2022-23 | 27/02/2024 |

**15.Multidisciplinary / interdisciplinary**

The institute has organized internal awareness program on National Education Policy for the faculty members. 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.

| Sr. No. | Name of Department | Semester |
|---------|-------------------|----------|
| 1 | Computer Science and Engineering | Fifth |
| | | Sixth |
| 2 | Electronics and Telecommunication Engineering | Fifth |
| | | Sixth |
| 3 | Mechanical Engineering | Fifth |
| | | Sixth |
| 4 | Electrical (Electronics and Power) Engineering | Fifth |

| | | Sixth |
|---|---|---|
| 5 | Civil Engineering | Fifth |
| | | Sixth |

## 16.Academic bank of credits (ABC):

The institution has registered under the ABC which will allow studnets to avail the benefit of multiple entries and exit during their graduation. The workshop on introduction to Academic Bank of Credits (ABC) has been conducted and guided the students of all the programmes to open their 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 650 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.

## 17.Skill development:

The following specific initiatives are undertaken for skill development of the students.

- Programmes are organized to provide vocational education and softskill trainings to all the students of the institute on regular basis. Every year, 60 hrs of training on vocational education and softskill 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.

- Another MoU is signed with Sorting Hat Technologies (CodeChef) Private Limited, 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.

**18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

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.

**19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

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 of outcome based education.

**20.Distance education/online education:**

The institute has taken following 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.

# Extended Profile

## 1.Programme

1.1 **306**

Number of courses offered by the institution across all programs during the year

| File Description | Documents |
| --- | --- |
| Data Template | [View File](#) |

## 2.Student

2.1 **1007**

Number of students during the year

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | View File |

2.2                                                                     **168**

Number of seats earmarked for reserved category as per GOI/
State Govt. rule during the year

| File Description | Documents |
|---|---|
| Data Template | View File |

2.3                                                                     **249**

Number of outgoing/ final year students during the year

| File Description | Documents |
|---|---|
| Data Template | View File |

**3.Academic**

3.1                                                                     **71**

Number of full time teachers during the year

| File Description | Documents |
|---|---|
| Data Template | View File |

3.2                                                                     **70**

Number of sanctioned posts during the year

## Extended Profile

### 1.Programme

| 1.1 Number of courses offered by the institution across all programs during the year | **306** |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

### 2.Student

| 2.1 Number of students during the year | **1007** |
|---|---|

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | View File |

| 2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | **168** |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

| 2.3 Number of outgoing/ final year students during the year | **249** |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

### 3.Academic

| 3.1 Number of full time teachers during the year | **71** |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

| 3.2 <br><br> Number of sanctioned posts during the year | **70** |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | [View File](#) |

## 4.Institution

| 4.1 <br><br> Total number of Classrooms and Seminar halls | **26** |
|---|---|
| 4.2 <br><br> Total expenditure excluding salary during the year (INR in lakhs) | **161.99Lakh** |
| 4.3 <br><br> Total number of computers on campus for academic purposes | **377** |

## Part B

**CURRICULAR ASPECTS**

**1.1 - Curricular Planning and Implementation**

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

**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 developvarious strategies for the effective planning and delivery of the curriculum.**
- **Academic calendar is prepared and displayed on all notice boards and website.**
- **Based on the interest and expertise of the faculty, the teaching load is distributed among the faculty members in a meeting.**
- **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.

- 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.
- 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.
- 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.
- Feedback is taken from all the students in structured format at the end of each semester which is conveyed to the faculty members after analysis.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **No File Uploaded** |
| Link for Additional information | https://adminmauli.edupluscampus.com/ERPCourseOfferingBatch/addUnit?coffid=1008&loadtype=Theory |

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

- Before the commencement of the academic year, Institute publish academic calendar which consists of the teaching learning and examination (internal as well as university) schedule, various events to be organized and holidays.
- The academic calendar is also published on the college website and circulated among the faculty members.
- Academic progress of the students is monitored regularly with Continuous Internal Evaluation (CIE). The review of the internal assessment process is taken by the principal regularly.
- The weightage for the Continuous Internal Evaluation of theory courses is 20 % whereas that for the practical courses, it is 50 %. The internal assessment of theory courses have three parts: Two Unit Tests, Choice based Components (CBCs) and Attendance.
- The institute adopted Choice-based components of internal assessment consists of assignments, mini projects,

- surprise tests, open book test, periodical quizzes, tutorials, group discussion, case study, viva, seminar, etc.
- The reformed structure of CIE enables faculty to identify slow learners and provide them an opportunity to improve their performance.
- Academic calendar is prepared by the Exam In charge in consultation with the heads of the departments and the in charge of different activities after compiling inputs from the teaching plans of the faculty members.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | No File Uploaded |
| Link for Additional information | https://mcoet.mauligroup.org/student-conti-internal-assessment.html |

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

A. All of the above

| File Description | Documents |
|---|---|
| Details of participation of teachers in various bodies/activities provided as a response to the metric | View File |
| Any additional information | View File |

## 1.2 - Academic Flexibility

**1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented**

## 1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

**05**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Minutes of relevant Academic Council/ BOS meetings | **No File Uploaded** |
| Institutional data in prescribed format (Data Template) | View File |

## 1.2.2 - Number of Add on /Certificate programs offered during the year

## 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

**06**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Brochure or any other document relating to Add on /Certificate programs | View File |
| List of Add on /Certificate programs (Data Template ) | View File |

## 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

**349**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Details of the students enrolled in Subjects related to certificate/Add-on programs | View File |

## 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

**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.

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 first year engineering curriculum which covers communication abilities.

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.

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 the Social Science and Engineering Economics.

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.

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. | View File |

## 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

**16**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Programme / Curriculum/ Syllabus of the courses | **No File Uploaded** |
| Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses | **No File Uploaded** |
| MoU's with relevant organizations for these courses, if any | **No File Uploaded** |
| Institutional Data in Prescribed Format | View File |

## 1.3.3 - Number of students undertaking project work/field work/ internships

**390**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| List of programmes and number of students undertaking project work/field work/ /internships (Data Template) | View File |

## 1.4 - Feedback System

## 1.4.1 - Institution obtains feedback on the syllabus and its transaction at the

**A. All of the above**

**institution from the following stakeholders**
**Students Teachers Employers Alumni**

| File Description | Documents |
|---|---|
| URL for stakeholder feedback report | https://mcoet.mauligroup.org/IQAC-feedbacksystem.html |
| Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management | View File |
| Any additional information | View File |

**1.4.2 - Feedback process of the Institution may be classified as follows**    **A. Feedback collected, analyzed and action taken and feedback available on website**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| URL for feedback report | https://mcoet.mauligroup.org/IQAC-feedbacksystem.html |

**TEACHING-LEARNING AND EVALUATION**

**2.1 - Student Enrollment and Profile**

**2.1.1 - Enrolment Number Number of students admitted during the year**

**2.1.1.1 - Number of students admitted during the year**

**282**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Institutional data in prescribed format | View File |

**2.1.2 - Number of seats filled against seats reserved for various categories (SC,  ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year  (exclusive of supernumerary seats)**

**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

157

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Number of seats filled against seats reserved (Data Template) | [View File](#) |

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution uses two approaches to assess learners learning levels at the beginning of the academic year. All first-year admitted students take a specific diagnostic test to determine which ones are advanced and which are slow learners.

Additionally, depending on their success on the exam from the previous semester, all faculty members who teach theory and practical classes identify advanced and slow learners in their regular classes. The following actions are made to improve learner performance

- Slow learners undergo remedial classes.
- In order to get more input for the courses, slow learners are asked to meet with the appropriate faculty members.
- The inclusion of simple, standard lecture notes and course materials.
- Unit Test model solutions are presented and discussed.
- Lateral entry students who are accepted into the third semester after diploma are scheduled for extra classes.
- Under the guidance of academic members, students are encouraged to participate in national contests like the Smart India Hackathon.
- Gate classes are conducted for advanced learners and motivated to go for online NPTEL like courses.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | [View File](#) |

## 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

| Number of Students | Number of Teachers |
|---|---|
| 1007 | 71 |

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |

## 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

**To enhance the learning experiences of students, practices and activities implemented by institute are as listed below**

**Experiential Learning**

- **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**

- **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 are organized by the student clubs, like Ignite.**
- **Projects**
- **Mini Projects**
- **Participate in various inter-college and intra-college technical festivals and other competitions like Hackathons, Aavishkar, etc.**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Link for additional information | Nil |

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

To enhance the learning experience of students, all the faculty members in the institute are using various ICT facilities, like

- LMS Moodle is used.
- The institute has implemented 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 were motivated to join various online (STTP) skill development programs organized by Excelr, Braonovision, etc.
- Give training to the students by using virtual platforms like Tinkercad, specially designed for circuit simulation of various microcontrollers, node MCUs, and embedded systems.
- Classwise WhatsApp groups are created to transfer information like notices and others.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Provide link for webpage describing the ICT enabled tools for effective teaching-learning process | [View File](#) |

## 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

### 2.3.3.1 - Number of mentors

**71**

| File Description | Documents |
|---|---|
| Upload, number of students enrolled and full time teachers on roll | [View File](#) |
| Circulars pertaining to assigning mentors to mentees | [View File](#) |
| Mentor/mentee ratio | [View File](#) |

## 2.4 - Teacher Profile and Quality

## 2.4.1 - Number of full time teachers against sanctioned posts during the year

**71**

| File Description | Documents |
|---|---|
| Full time teachers and sanctioned posts for year (Data Template) | [View File](#) |
| Any additional information | **No File Uploaded** |
| List of the faculty members authenticated by the Head of HEI | [View File](#) |

## 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

## 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

**08**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template) | View File |

**2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**

**2.4.3.1 - Total experience of full-time teachers**

**326**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| List of Teachers including their PAN, designation, dept. and experience details(Data Template) | View File |

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

**Internal:**

- **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 semester-long tests centrally and oversees all activities, including question paper setting, seating arrangements, invigilation, and results declaration.**
- **Test papers are evaluated within three days, answer sheets distributed for verification, and grievances addressed in class. Results are displayed on department notice boards.**
- **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 parents are informed frequently about the performance of their wards.
- An experiment-wise independent CIE proforma is intended.

**External:**

Sant Gadge Baba Amravati University conducts external assessments of theory and practical, and the university circulates a schedule.

- The topic chairman and subject experts set the theory papers, and the university-appointed subject experts evaluate them.
- The university appoints an internal and external examiner from another institute to conduct the final examination for lab and project work.
- The university has achieved transparency by offering a paper reassessment system.

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Link for additional information | http://mcoet.mauligroup.org/student-conti-internal-assessment.html |

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

**Grievance Redressal**

- The institute has a well-defined grievance redressal system, which has been made known to staff and students through programs and notices.
- 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. The committees entertain complaints received from both facilities.
- The Committee addresses the grievances in a maximum of six days or immediately, based on the priority and nature of the complaint, and communicates to the concerned authority for a suitable action or a possible redress.
- The written complaints can be submitted or emailed to any of the committee members or class counselors or via online Eduplus ERP.

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Link for additional information | **Nil** |

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

- **Each department of the institute follows the twelve Programme Outcomes as suggested by AICTE, New Delhi.**
- **In addition to POs, Programme Specific Outcomes, Programme Educational Objectives and Course Outcomes are defined by all the departments.**
- **COs are defined as per syllabus using Blooms Taxonomy and mapped with POs and PSOs according to correlation level.**
- **The attainment of POs and PSO is determined at the end of programme as per the CO-PO mapping and correlation level through the attainment of COs.**
- **CO attainment is calculated at the end of each course using direct and indirect methods.**
- **The results of University examination and Continuous Internal Evaluation contribute to direct method of attainment whereas Course Exit Survey based on a questionnaire designed as per COs contributes to indirect method of attainment.**
- **POs, PEOs, PSOs and COs for all the courses are kept available on respective department page of Institute website and notice boards of HOD cabin and every laboratory of the departments.**
- **At the beginning of every course, the faculty member discusses the course outcomes in the classroom as well as in the laboratory.**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Paste link for Additional information | https://mcoet.mauligroup.org/CO-PEO-PSO-PO.html |
| Upload COs for all Programmes (exemplars from Glossary) | View File |

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

**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:**

**The mappings from COs to POs and PSOs serve as the foundation for evaluating PO and PSO accomplishment. Three levels are used to describe mapping strength: Low (1), Medium (2), and Strong (3). For every course, including first-year courses, a program-level Course-PO matrix is created.**

**Indirect Methods:**

**The attainments of POs and PSOs are normalized to 1. This means that if a PO is to be treated at the level of 3 and the CO attainments linked with it are 100%, then the PO's attainment is 3.**

**Attainment Level:**

**The attainment level is given as below:**

**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.**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for Additional information | [https://mcoet.mauligroup.org/CO-PEO-PSO-PO.html](https://mcoet.mauligroup.org/CO-PEO-PSO-PO.html) |

## 2.6.3 - Pass percentage of Students during the year

## 2.6.3.1 - Total number of final year students who passed the university examination during the year

**209**

| File Description | Documents |
|---|---|
| Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template) | [View File](#) |
| Upload any additional information | [View File](#) |
| Paste link for the annual report | **Nil** |

## 2.7 - Student Satisfaction Survey

## 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

[https://mcoet.mauligroup.org/IQAC/Student%20Satisfaction%20Survey(SSS)_A.Y.2022-23.pdf](https://mcoet.mauligroup.org/IQAC/Student%20Satisfaction%20Survey(SSS)_A.Y.2022-23.pdf)

## 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 year (INR in Lakhs)

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

**2 Lakhs**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| e-copies of the grant award letters for sponsored research projects /endowments | **No File Uploaded** |
| List of endowments / projects with details of grants(Data Template) | View File |

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**

**3.1.2.1 - Number of teachers recognized as research guides**

**03**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Institutional data in prescribed format | View File |

**3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**

**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

**NIL**

| File Description | Documents |
|---|---|
| List of research projects and funding details (Data Template) | **No File Uploaded** |
| Any additional information | **No File Uploaded** |
| Supporting document from Funding Agency | **No File Uploaded** |
| Paste link to funding agency website | **Nil** |

**3.2 - Innovation Ecosystem**

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

**College has developed an ecosystem for innovations and research**

and takes initiative through various programmes for creation and transfer of knowledge. College organized different awareness programs for faculty, research scholars and students.

- College Organized Online workshop on Intellectual Property Rights in order to promote research and development activities.

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

- Promotes quality research in the 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 on 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 registration has increased, which subsequently leads to knowledge/technology transfer.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File]() |
| Paste link for additional information | Nil |

**3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**

**3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

01

| File Description | Documents |
|---|---|
| Report of the event | **No File Uploaded** |
| Any additional information | View File |
| List of workshops/seminars during last 5 years (Data Template) | View File |

## 3.3 - Research Publications and Awards

**3.3.1 - Number of Ph.Ds registered per eligible teacher during the year**

**3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

03

| File Description | Documents |
|---|---|
| URL to the research page on HEI website | https://mcoet.mauligroup.org/RPC-researchprojects.html |
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template) | View File |
| Any additional information | View File |

**3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**

**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

31

| File Description | Documents |
|---|---|
| Any additional information | View File |
| List of research papers by title, author, department, name and year of publication (Data Template) | View File |

**3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year**

**3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year**

08

| File Description | Documents |
|---|---|
| Any additional information | View File |
| List books and chapters edited volumes/ books published (Data Template) | View File |

## 3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The holistic development of students takes place through the various activities organized by the student chapters. All the students and faculty members participate actively in the programs organized for networking with the neighbourhood community. Mock CET is organized every year for students of 12th class of nearby region to practice for final entrance exam.

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.

- Shivrajyabhishek Program
- Yoga Day in collaboration with Patanjali Centre Shegaon,
- Tree Plantation,
- Labour Donation at River, Kanarkhed,Shegaon Maharashtra
- Blood Donation Camp
- Cleanliness Awareness Campaign
- Har Ghar Tiranga Rally
- Water Awareness

- Celebration of 'Gajanan Maharaj Palkhi Sohla' and 'Gajanan Maharaj Pragat Diwas'
- Unemployment Survey

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | [View File]() |

## 3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

## 3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

**01**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Number of awards for extension activities in last 5 year (Data Template) | [View File]() |
| e-copy of the award letters | [View File]() |

## 3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year

## 3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

**12**

| File Description | Documents |
|---|---|
| Reports of the event organized | [View File]() |
| Any additional information | **No File Uploaded** |
| Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template) | [View File]() |

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted  in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

**633**

| File Description | Documents |
|---|---|
| Report of the event | View File |
| Any additional information | No File Uploaded |
| Number of students participating in extension activities with Govt. or NGO etc (Data Template) | View File |

**3.5 - Collaboration**

**3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**

**3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

**01**

| File Description | Documents |
|---|---|
| e-copies of related Document | No File Uploaded |
| Any additional information | No File Uploaded |
| Details of Collaborative activities with institutions/industries for research, Faculty | View File |

**3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year**

**3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year**

**32**

| File Description | Documents |
|---|---|
| e-Copies of the MoUs with institution./ industry/corporate houses | View File |
| Any additional information | **No File Uploaded** |
| Details of functional MoUs with institutions of national, international importance, other universities etc during the year | View File |

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

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

**(a) Physical Facilities**

**i) Classrooms:**

**The institute has more than 22 classrooms with adequate facilities such as Furniture, blackboard, projector, fans, lights and power backup. The Institute has well-furnished, well ventilated and spacious teaching block for conducting theory classes and tutorials. Each department has one digital/smart classroom with LCD projector, sound system and internet connectivity facilities.**

**ii)Laboratories:**

**Institute features 46 well equipped laboratories with LCD projector, sound system and internet connectivity facilities. The laboratories are equipped with safety aids such as fire extinguisher, first aid box and display of safety instructions.**

**The institute has a drawing hall with provision for height and angle adjustment of the drawing tables. The college has well**

**equipped**

**Language Lab with LCD Projector –Audio-video facilities, computers, chairs and microphones.**

**iii)Seminar Halls:**

**The institute has a central seminar hall, each department has fully equiped seminar hall with LCD Projector, white board facility, WIFI, Audio and Video facilities to conduct conferences, seminars, workshops, expert lectures etc.**

**iv)Computing equipment:**

**Besides a fully equipped central computer laboratory, every department has a computer laboratory which is utilized for project development, internet surfing, feedback process, Moodle and aptitude tests.**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs%2022/4.1.1_The%20Institution%20has%20adequate%20infrastructure%20and%20physical%20facilities%20for%20teaching-%20learning.pdf |

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

**The institute consistently prioritizes athletics, games, and cultural activities. The institute provides enough facilities for these activities and encourages students to engage in different tournaments. Attendance is taken into account in academic courses for students who represent the college in inter-university, national, and worldwide events, as well as TA/DA, sports equipment, and uniforms.**

**Sports:**

**The Institute consistently encourages student engagement in**

sports, both indoors and outside. The campus offers a playground for games such as cricket, football, volleyball, handball, kabaddi, kho-kho, disc throw, and long jump. Sport and gym facilities are offered to both students andstaff members.

## Cultural Activities

Cultural activities are organized throughout the year to promote cultural growth during various holidays. The college organized events such as the annual gathering and IGNITE, a national-level techno-cultural event. All the seminar halls, auditorium and open air cultural centre are provided with adequate facilities to conduct various cultural activities.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs%2022%20/4.1.2_The%20Institution%20has%20adequate%20facilities%20for%20cultural%20activities%20sports_games.pdf |

**4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.**

26

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs%2022/4.1.3_Number%20of%20classrooms%20and%20seminar%20halls%20with%20ICT-%20enabled%20facilities.pdf |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

**4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)**

## 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

**37.39**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Upload audited utilization statements | <u>View File</u> |
| Upload Details of budget allocation, excluding salary during the year (Data Template | <u>View File</u> |

## 4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

**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**

**EduPlus Campus enables the library users to know list of records of presently available books within library, Online access open for users throughout the campus. All books in library are barcoded. The computers provided in library are connected with LAN. WI-FI facility also enabled in library. All the users can access library resources online through user account.**

| File Description | Documents |
|---|---|
| Upload any additional information | <u>View File</u> |
| Paste link for Additional Information | **Nil** |

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

**A. Any 4 or more of the above**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template) | View File |

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

**1.17**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Audited statements of accounts | **No File Uploaded** |
| Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template) | View File |

**4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)**

**4.2.4.1 - Number of teachers and students using library per day over last one year**

**105**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Details of library usage by teachers and students | View File |

**4.3 - IT Infrastructure**

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

## 1. Upgraded network infrastructure

Internet facility is provided in the campus to all the faculty members and students. 52 Mbps bandwidth is available (20Mbps-BSNL,32Mbps)

## 2. Renewal of Antivirus software Annually: In order to protect huge amounts of data from viruses, Trojans, rootkits, ransom ware, 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 :

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

## 4. Up gradation of ERP software:

To 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. Licensed Software

The laboratories are equipped with modern software & equipment, including industry standard tools like TURNITIN.

## 6. Upgradation of CCTV Cameras and Wi-Fi facility to avoid the unlawful activities in college campus

**7. UPS: 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.**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs/4.3.1_%20IT%20facilities%20including%20Wi-Fi.pdf |

### 4.3.2 - Number of Computers

**377**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| List of Computers | [View File](#) |

### 4.3.3 - Bandwidth of internet connection in the Institution

**A. ? 50MBPS**

| File Description | Documents |
|---|---|
| Upload any additional Information | [View File](#) |
| Details of available bandwidth of internet connection in the Institution | [View File](#) |

## 4.4 - Maintenance of Campus Infrastructure

### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

### 4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

**161.99**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Audited statements of accounts | [View File] |
| Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates) | [View File] |

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

**Utilization and Maintenance of Academic Facilities**

- **Funds are allocated for the maintenance of the laboratories and the classrooms.**
- **The records of all the equipment's are maintained in stock**

**registers.**

- **The laboratory equipment's are checked and calibrated periodically.**
- **Monthly monitoring of electrical equipment such as Generator, UPS, and Batteries is done and its status entered in stock book.**

**Utilization and Maintenance of Computers:**

- **The institute has utility software's which are installed at different locations like office, laboratories, library, departments etc. and System administrator takes care of maintenance.**
- **The central computer laboratory, office and Library are connected in LAN.**
- **The institute website is maintained and updated regularly by System administrator.**

**Maintenance of Physical and Support facilities:**

- **Maintenance of CCTVs is outsourced and maintenance of ROwater plant is done on regular basis.**

- **Regular control and monitoring of the Generator is done by the electricians of the institute.**
- **Plumbing related maintenance is regularly done by the**

institute's technical staff. Students regularly avail the existing facilities of the sports department. All the sports facilities are maintained by non-teaching staff of the institute under the supervision of full time Sports director.

- Every day cleaning of toilet blocks and wash rooms is done by the team of cleaning staff members.
- The institute garden and trees are maintained by the gardeners of the institute.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | **Nil** |

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

**897**

| File Description | Documents |
|---|---|
| Upload self attested letter with the list of students sanctioned scholarship | [View File](#) |
| Upload any additional information | **No File Uploaded** |
| Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template) | [View File](#) |

### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

26

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template) | View File |

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

**A. All of the above**

| File Description | Documents |
|---|---|
| Link to Institutional website | https://mcoet.mauligroup.org/support%20docs/5.1.3_skills%20enhancement%20initiatives.pdf |
| Any additional information | View File |
| Details of capability building and skills enhancement initiatives (Data Template) | View File |

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

**699**

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

**699**

| File Description | Documents |
| --- | --- |
| Any additional information | View File |
| Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template) | View File |

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

**A. All of the above**

| File Description | Documents |
| --- | --- |
| Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee | View File |
| Upload any additional information | View File |
| Details of student grievances including sexual harassment and ragging cases | View File |

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

### 5.2.1.1 - Number of outgoing students placed during the year

**107**

| File Description | Documents |
|---|---|
| Self-attested list of students placed | View File |
| Upload any additional information | View File |
| Details of student placement during the year (Data Template) | View File |

**5.2.2 - Number of students progressing to higher education during the year**

**5.2.2.1 - Number of outgoing student progression to higher education**

**05**

| File Description | Documents |
|---|---|
| Upload supporting data for student/alumni | View File |
| Any additional information | **No File Uploaded** |
| Details of student progression to higher education | View File |

**5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**

**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

**01**

| File Description | Documents |
|---|---|
| Upload supporting data for the same | View File |
| Any additional information | **No File Uploaded** |
| Number of students qualifying in state/ national/ international level examinations during the year (Data Template) | View File |

**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 year**

**5.3.1.1 - 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 year.**

**04**

| File Description | Documents |
|---|---|
| e-copies of award letters and certificates | <u>View File</u> |
| Any additional information | **No File Uploaded** |
| Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template) | <u>View File</u> |

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

**College students can actively engage in college operations while collaborating with administration, instructors, staff, and parents, through the Students' Council. Our students can contribute significantly to the institute's overall development. Student's social skills, flexibility, initiative, curiosity, imagination, and learning strategy towards common objectives are all enhanced by co-curricular and extracurricular activities. Indulging with these activities, they may discover new interests, boost their confidence, develop their leadership abilities, and even get better grades. Additionally, there are other ways in which the College Development Committee (CDC) and the Students' Council collaborate to design college policies that are beneficial to both the students and the college.**

**A significant part of the College Cleanliness Campaign is played by the Council. It plans cultural events and contests, tree plantings on campus and outside the city, and sporting events at different levels for the college community. It initiates the upholding of discipline in the college and actively engages in the conflict resolution process set up by the college**

| File Description | Documents |
|---|---|
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs/5.3.2_administrative,%20co-curricular%20and%20extracurricular%20activities.pdf |
| Upload any additional information | View File |

## 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

## 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

**22**

| File Description | Documents |
|---|---|
| Report of the event | **No File Uploaded** |
| Upload any additional information | View File |
| Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template) | View File |

## 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

**There is an Alumni Association of the institution. The achievements of an institute's alumni reflects the reputation of the institute. Mauli alumni association was established in 2017 and is known as the "Mauli Alumni Association" (MAA), with registration number Buldhana/0000005/2017.The association has the office bearers, framed bi-laws, informal governing body with principal as the ex-officio member. The alumni meet is held once in a year. There is consistent support from alumni members to the institute for arranging in plant training, career guidance, recruitment, guest lectures, technical support and much more in the form of direct or indirect support. A Convener and one faculty representative from each department lead the MAA. Its**

activities and important contributions to institutional, academic and infrastructure development are noteworthy. The institution maintains the information of alumni on college website in addition to social media pages on Facebook, Instagram, and Telegram. It uses social networking to connect with all graduates. This led to more frequent interaction with the alumni. In the last five years, several MGICOETs alumni addressed college students & made the students aware of the current industry practices & requirements. These deliberations by the alumni has benefitted the college students immensely. Alumni helped other students in choosing the right subjects, prepared for their target and guided them about the career streams. As a result of alumni relations, the institute has seen a notable increased in placement and admitted students.

| File Description | Documents |
|---|---|
| Paste link for additional information | https://alumni.mcoet.mauligroup.org/ |
| Upload any additional information | No File Uploaded |

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**   D. 1 Lakhs - 3Lakhs

| File Description | Documents |
|---|---|
| Upload any additional information | View File |

**GOVERNANCE, LEADERSHIP AND MANAGEMENT**

**6.1 - Institutional Vision and Leadership**

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision of MGI-COET: To be premier Institute in Technical Education and Research producing socially responsible and globally acceptable professionals.

Mission of MGI-COET: 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 leadership at the institute is provided by the Chairman to guide the college ably assisted by Principal, Registrar and Heads of academic Units. Efficient and smooth governance is implemented through BOG (Board Of Governors), CDC (College Development Committee), IQAC (Internal Quality Assurance Cell), Grievance cell, Admission committee etc., Besides these, there are several other committees for the governance like Training & Placement Department, Examination Cell, Industry Institute Interaction Cell, Career guidance cell, competitive examination cell, Grievance redressal cell, Admission Committee, NSS unit, vigilance committee, Sports and Cultural committee.

Participation of the teachers in the decision making process:

Teachers are represented on various academic and administrative committees thereby contributing in making decisions related to academic and administrative issues. In addition to various other committees teachers have active representation in BOG (Board Of Governors), CDC (College Development Committee), IQAC (Internal Quality Assessment Cell), Grievance cell, Admission committee etc.

| File Description | Documents |
|---|---|
| Paste link for additional information | http://mcoet.mauligroup.org/visionmission.html |
| Upload any additional information | No File Uploaded |

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The management of the institute encourages decentralization of authority by the active involvement of the governing body and college development committee in policy making. Roles and responsibilities at various levels are well defined. Principal supervises the functioning of all the departments. Daily academic activities of the departments are taken care of by the respective HOD. There are frequent meetings of the Principal with the HODs, Section In-charges and other administrative staff. The decisions made on the crucial issues in the Principal's meeting are submitted to the management for approval. HODs conduct meetings regularly with faculty members and staff in the department to discuss the academic planning, course delivery, reviews, etc. The resolutions made in these

meetings are communicated to the Principal for further information and necessary approvals in certain cases. All the faculty members and staff are involved in the decision making on new initiatives as well as in regular academics. Many committees and cells are formed to decentralize the academic and administrative activities. Few of these are mentioned below.

- IQAC
- College Development Committee
- Student Council
- Disciplinary and Anti-Ragging Committee
- Internal Grievance Redressal Committee
- Internal Complaint Committee
- Examination Cell
- Purchase Committee
- Research Promotion Cell
- Training and Placement Cell
- Library Committee
- NSS Unit

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | <u>View File</u> |

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

**Perspective plan of the institute:**

**The institute is dedicated to ideal of providing quality education to the rural backward area that can be compared with the quality of education given in urban sophisticated areas. Institute has the perspective plan to achieve its vision,**

- **Induction of more Ph.D. faculties.**
- **Enrichment of ICT based teaching-learning process**
- **Obtaining grants for research projects from various Government funding agencies and patents.**
- **Enhancing consultancy assignments with the industry and Governmental organizations.**
- **Plan for extensions in the building, and renovations to meet the growth requirements.**
- **Establishment of centers of excellence in various**

technology domains with industry support.
- Collaborations with foreign universities.
- Enhancing the number of entrepreneurs.

To strengthen student placement in national and multinational companies:

To guide and aware the students to choose the right career and to give knowledge, skills, and aptitude so as to meet the industry requirements, various skill enhancing activities were planned and executed under the Training and Placement Department. The skill enhancement activities include guest lectures from eminent industry persons, Career Guidance Programs, training programs for personality development, technical skill development, group discussions, interview skills etc. Placement centric activities were conducted to bridge the gap between the Institute and industry. All these activities helped strengthen the placement in National and Multinational companies.

| File Description | Documents |
|---|---|
| Strategic Plan and deployment documents on the website | No File Uploaded |
| Paste link for additional information | http://mcoet.mauligroup.org/visionmission.html |
| Upload any additional information | No File Uploaded |

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The institution strictly follows the norms laid down by the UGC, Government of Maharashtra and the University in terms of appointments, promotions, other academic matters as well as administrative and financial matters. The Board of Governors (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 College Development Committee (CDC) established as per the Maharashtra University Act, 2016 and Internal Quality Assurance Cell (IQAC) plays crucial role in developing and improving the academic and administrative practices The academic functions related to implementation of effective teaching-learning process of every academic department

**are carried out under the supervision of respective head of the departments (HOD). All HODs are conducting regular meetings for smooth functioning of the department, while the Principal meets with all the HODs frequently. Additionally, there are other independent committees and cells working under the Principal such as Examination Cell, Internal Grievance Redressal Committee, Internal Complaint Committee (ICC), Research Promotion cell, Training and Placement cell, Anti-Ragging Committee, Student Council, etc. The registrar of the institute takes care of the office administration assisted by the Office superintendent and Accountant.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Link to Organogram of the institution webpage | https://mcoet.mauligroup.org/org-institute.html |
| Upload any additional information | View File |

**6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination**

**A. All of the above**

| File Description | Documents |
|---|---|
| ERP (Enterprise Resource Planning)Document | View File |
| Screen shots of user inter faces | View File |
| Any additional information | **No File Uploaded** |
| Details of implementation of e-governance in areas of operation, Administration etc(Data Template) | View File |

## 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

**The progress of any organization depends on its employees. For the betterment of its employees, the institute has various welfare schemes for teaching and non-teaching staff.**

- **Free accommodation facility is provided for needy staff in the hostel.**
- **Financial assistance is provided to faculty to participate in training programs, workshops, conferences and publication of books.**
- **Employee Provident Fund (EPF) is applicable to the staff of college as per PF rules.**
- **Fee concession to wards of economically weak staff is provided.**
- **Free bus facility is provided for staff members who are in need.**
- **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**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | [View File](#) |

## 6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

## 6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

**04**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template) | [View File](#) |

**6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**

**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

05

| File Description | Documents |
|---|---|
| Reports of the Human Resource Development Centres (UGCASC or other relevant centres). | No File Uploaded |
| Reports of Academic Staff College or similar centers | No File Uploaded |
| Upload any additional information | No File Uploaded |
| Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template) | [View File](#) |

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**

**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

34

| File Description | Documents |
|---|---|
| IQAC report summary | **No File Uploaded** |
| Reports of the Human Resource Development Centres (UGCASC or other relevant centers) | **No File Uploaded** |
| Upload any additional information | [View File](#) |
| Details of teachers attending professional development programmes during the year (Data Template) | [View File](#) |

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

**The Institute recognizes the importance of the dedicated faculty for realizing its vision. The management of the institutes believes that the human resource is a key to success. Performance appraisal and 360° Feedback Form of teaching and non-teaching staff is done annually. Head of the concerned department gives his/her Confidential Report (CR) about the teaching staff in his department as per based on the parameters such as student feedback, student performance analysis, peer feedback, teaching experience in this institute. Ranking is given on the basis of professional learning, commitment to student and profession, professional knowledge and skills like understanding of the subject area, factors that affect student learning, professional competence, lesson delivery, professional development and achievement .Common behaviors that teaching staff routinely exhibits, interpersonal skills, cognitive abilities, punctuality, capacity to handle workload are also key factors in performance appraisal. The College office also maintains this report. Non-teaching staff performance is appraised with the help of the confidential report of the head of the concerned department. Working experience in this institute, dedication to work is considered in performance appraisal.**

| File Description | Documents |
|---|---|
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs/Mauli%20form%20-%20360%20feedback%20V%202.0-%20final.pdf |
| Upload any additional information | View File |

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

**The Institution conducts internal and external financial audits regularly. External Audit: The institute conducts external audits annually at the end of the financial year through external Auditors, M/s. U. R. Baraliya Co., Khamgaon. The concerned staff satisfies the queries and objections of the auditor along with documentary evidence. In this matter, they receive guidance from the Principal and the Registrar. After reviewing the provided financial details of the institute, the external auditor suggests the standard procedures to be followed. The external auditor verifies the vouchers, bills, bank balance deposit receipts, and stock registers. There are no major audit objections till date. In the case of minor audit objections, the account sections discuss the matter with management of the institute, and then take consultation from external auditors. The actions suggested by the external auditor are strictly followed to resolve the audit objections. Internal Audit: The internal audit committee conducted the audit for the year 2021-22. The report of the internal audit is presented to the Principal and concerned department to follow the suggestion given by the committee. In addition, the registrar and accountant review all details of bank balance, payments, and other financial transactions monthly with the help of Tally software. The internal and external expenditure on accounts of all heads are maintained up to date.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | View File |

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

**6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

**2 Lakhs**

| File Description | Documents |
|---|---|
| Annual statements of accounts | **No File Uploaded** |
| Any additional information | <u>View File</u> |
| Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template) | <u>View File</u> |

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

**The main source for funds 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 the State Government. Effective use of available resources is ensured through proper systems. The budget is prepared on a yearly basis by the Accounts Department. At the beginning of every financial year, requirements of all the departments, Library and various cells are submitted to the Principal. The Principal scrutinizes the demands in HOD meetings then sent to the management for approval. The budget is reviewed by the management and approved after necessary changes. As and when required, the institute makes a provision for additional funds. The sanctioned Budget is utilized for the proposed activities. The Purchase Committee takes care that purchases are done properly as per rules. The time-table committee ensures proper utilization of classrooms and laboratories. The Library Committee sees that the resources in the library are utilized optimally. The IQAC and CDC review the utilization of the resources periodically. The Principal issues directions from time to time to ensure the optimum utilization of resources. The Accounts section maintains all records of income and expenditure to ensure financial transparency.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | **No File Uploaded** |

## 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

- **IQAC initiated outcome based education practice that consists of predefining the expected outcomes of the course and program, course delivery planning, determining the attainment of outcomes and corrective actions to achieve the set targets. Guidelines were given to all the faculty members through meetings for drafting the course outcomes (COs), Programme Specific Outcomes (PSOs), and Programme Educational Objectives (PEOs) and determining the attainment of POs. COs were defined as per syllabus using Bloom's Taxonomy and mapped with POs and PSOs according to correlation levels. At the end of each course, CO attainments were calculated using direct and indirect methods.**

- **The mentoring of students initiated by IQAC serves as one of the tools developed to encourage a strategy that will guide the students to produce tangible results for satisfying the expectations from an upcoming engineer. The higher class students acting as a mentor and their juniors as mentees conducted various skill development activities.**

- **A Learning Management System i.e. Moodle was introduced by IQAC in the institute to Strengthen the learning activities. Motivating the faculty and students played a crucial role in implementing the use of Moodle. The performance of students was monitored through conduction of assignments, online tests.**

| File Description | Documents |
|---|---|
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs%2022/6.5.1_Internal%20Quality%20Assurance%20Cell%20(IQAC)%20has%20contributed%20significantly%20for%20institutionalizing%20the%20quality%20assurance%20strategies%20and%20processes.pdf |
| Upload any additional information | View File |

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

**The implementation of teaching-learning evaluation and review of the processes is facilitated by the IQAC. Academic review through periodical meetings: The IQAC conducts periodical meetings with the departments, Internal Examination Committee, Council of the Heads, the principal, College Development Committee throughout the academic year in the presence of the IQAC coordinator. The IQAC Coordination conducts an academic review of all departments collecting information on academic activities, such as completion of study programs, unit tests, assignments, seminars, group discussion, quiz, education tour and other activities. Faculty and Head of Department (HOD) meet regularly with relevant services to assess academic and administrative issues. Important questions are discussed in meetings with IQAC and Faculty heads. Use and enrichment of ICT infrastructure: The use of ICT tools has become an integral part in the teaching learning process. IQAC always encouraged teachers to utilize these tools in academic and laboratories. IQAC prepares the plan to include the use and enrichment of ICT infrastructure expected from each department. The IQAC has advised the administration to enrich ICT infrastructure and tools, broadband internet Wi-Fi facility. Periodically IQAC has trained teachers and non- teaching staff to use ICT by arranging different workshop i.e. Google Apps, Video conference, use of e-mail, handling ICT instruments etc.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | **No File Uploaded** |

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**A. All of the above**

| File Description | Documents |
|---|---|
| Paste web link of Annual reports of Institution | https://mcoet.mauligroup.org/IQAC-feedbacksystem.html |
| Upload e-copies of the accreditations and certifications | View File |
| Upload any additional information | View File |
| Upload details of Quality assurance initiatives of the institution (Data Template) | View File |

## INSTITUTIONAL VALUES AND BEST PRACTICES

## 7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

**Women's Rights Policy**

**The institute has an ideal working atmosphere for women along with an outstanding ecosystem for gender equity in the workplace. The institute has several points concerning women's rights, including:**

- **Established procedures to increase women's representation**

in academic/research leadership positions.

- Organization of programs such as guest lectures, seminars, and workshops on a regular basis to raise gender equity awareness.
- Benefits of Maternity, Paternity and Child Care Leave as per the government rule.

The institution conducted Gender Audit Survey for A.Y. 2022-23 with following objectives

1. To know about Gender balance in the Institution
2. To know about Gender perception in the campus.

Social Security and Women's Safety

The institution's initiatives for ensuring safety and support for its students, particularly women are:

1.Security Measures:

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

2.Health and Hygiene Facilities:

- Separate boys' and girls' restrooms for privacy.
- Sanitary napkin vending and disposal units
- Availability of an ambulance on campus.

3.Support Services:

- Effective mentorship programs to aid academic, emotional, social, and cognitive growth.

4.Anticipation and Preparedness:

- Proactive preparation for the growing proportion of female students enrolled in various programs.

5.Residential Facilities:

- Dedicated hostel for female students.

6.Campus Amenities:

- **Additional facilities like mess, internet access, study rooms, entertainment areas, and 24-hour power backup for convenience.**

| File Description | Documents |
|---|---|
| Annual gender sensitization action plan | https://mcoet.mauligroup.org/support%20docs%2022/7.1.1_Annual%20gender%20sensitization%20action%20plan.pdf |
| Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information | https://mcoet.mauligroup.org/support%20docs/7.1.1.pdf |

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures   Solar energy Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

**B. Any 3 of the above**

| File Description | Documents |
|---|---|
| Geo tagged Photographs | View File |
| Any other relevant information | **No File Uploaded** |

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management  Waste recycling system Hazardous chemicals and radioactive waste management

**The institution has created facilities to manage the following types of waste.**

- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

**Daily all the buildings and other surrounding area in the campus are cleaned and waste separated and disposed in a pit in the campus. The Primary goal of Solid Waste Management is reducing and eliminating adverse impacts of waste materials on human health and environment to support economic development and**

superior quality of life.

**Solid Waste Management:**

- Dust bins are placed at specific points.
- Vermicomposting and culture composting pits are made to take care of organic waste.
- Inorganic solid waste like plastic waste decomposes at college level adopting E-brick concept.
- The usage of plastic bags are prohibited.

**Liquid Waste Management:**

- Machining waste and coolants are collected properly and disposed off. Wastewater of the Institute is collected and treated by soak pit method. The same is reused in the garden.
- Waste water coming from R.O. plant is used for toilet flushing.

**E-waste Management:**

- E-waste such as CDs, batteries, fluorescent bulbs, PCBs, and electronic items are collected from every department.
- Collected items are stored in store room, and disposed every year accordingly.
- Inductors, diodes, transistors, etc. are removed from the gadgets for reuse in practical /projects of final-year students.

The waste compact discs are used by students for decoration.

| File Description | Documents |
|---|---|
| Relevant documents like agreements / MoUs with Government and other approved agencies | No File Uploaded |
| Geo tagged photographs of the facilities | View File |

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge**   A. Any 4 or all of the above

**Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

| File Description | Documents |
|---|---|
| Geo tagged photographs / videos of the facilities | View File |
| Any other relevant information | View File |

### 7.1.5 - Green campus initiatives include

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

**A. Any 4 or All of the above**

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

| File Description | Documents |
|---|---|
| Geo tagged photos / videos of the facilities | View File |
| Various policy documents / decisions circulated for implementation | View File |
| Any other relevant documents | No File Uploaded |

### 7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities**

**B. Any 3 of the above**

27-04-2024 02:51:30

| File Description | Documents |
|---|---|
| Reports on environment and energy audits submitted by the auditing agency | View File |
| Certification by the auditing agency | View File |
| Certificates of the awards received | No File Uploaded |
| Any other relevant information | No File Uploaded |

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment     5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen             reading**    **A. Any 4 or all of the above**

| File Description | Documents |
|---|---|
| Geo tagged photographs / videos of the facilities | View File |
| Policy documents and information brochures on the support to be provided | No File Uploaded |
| Details of the Software procured for providing the assistance | No File Uploaded |
| Any other relevant information | No File Uploaded |

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

**To build a nation of youth who are noble in their attitude and morally responsible, the college conducted several activities. In order to build and promote an environment for ethical, Cultural, and spiritual values among the students and staff**

workshop/seminar are conducted regularly.The college and its teacher and staff jointly celebrate cultural and regional festivals, like New-year's day, 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. religious ritual activities are performed in the campus. Motivational lectures of eminent persons in the field are arranged for the all-round development of the students for their personality development and to make them responsible citizens following the national values of social and communal harmony and national integration. Besides academic and cultural activities, we have built up many strong infrastructures for a variety of sports activities for the physical development of the students.

| File Description | Documents |
|---|---|
| Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | [View File]() |
| Any other relevant information | No File Uploaded |

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

India, as a country, includes individuals with different backgrounds viz., cultural, social, economic, linguistic, and ethnic diversities governed and guided by the Constitution irrespective of caste, religion, race sex. Fairfield Institute of Management & Technology sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to conduct themselves as responsible citizens. To equip students with the knowledge, skill, and values that are necessary for sustaining one's balance between a livelihood and life by providing an effective, supportive, safe, accessible, and affordable learning environment. These elements are inculcated in the value system of the college community. The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities by inviting prominent people. The institute conducted awareness programs on the ban on plastics, cleanliness, Swachh Bharat, etc. involving students. The college establishes policies that reflect core values. A code of conduct is prepared for students

**and staff and everyone should obey the conduct rules.**

| File Description | Documents |
|---|---|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | **Nil** |
| Any other relevant information | **Nil** |

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

**B. Any 3 of the above**

| File Description | Documents |
|---|---|
| Code of ethics policy document | <u>View File</u> |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

**The institution celebrates/ organizes national and international commemorative days, events and festivals. National festivals play an important role in planting seeds of Nationalism and Patriotism among the people of India. Our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders.**

The Faculty, Staff and Students of the institution all come together under one umbrella to celebrate these occasions and spread the message of Unity, Peace, Love, and Happiness throughout. Republic day- The institution celebrates Republic Day on 26thJanuary every year, commemorating the adoption of Indian constitution and spreading the message that India is the largest democratic country in the world. Independence Day is celebrated every year on 15th of August, parades and flag hoisting is organized and is celebrated to mark freedom of India from British rule. The institution encourages students to remember our national leaders and their sacrifices.

Azadi Ka Amrit Mahotsav was celebrated on 13th August, 2022. International Yoga Day was celebrated International Yoga Day. Celebration of National voter day on 25 Jan 2023 for increasing awareness among students about casting a vote. On 4th March, every year the institute celebrates science day by conducting seminars, quizzes, project competitions, etc. In third week of January every year Institute organizes Ignite- A national level techno cultural event which includes technical as well as cultural events.

| File Description | Documents |
|---|---|
| Annual report of the celebrations and commemorative events for the last (During the year) | No File Uploaded |
| Geo tagged photographs of some of the events | View File |
| Any other relevant information | View File |

## 7.2 - Best Practices

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

1. Mentoring Program

Mentoring First Generation Rural Students to Improve Their Learning Capabilities

## 1. Objectives of the Practice

Mentoring is an essential aspect of student support in higher education.

## 2. The Context

The college is located in a rural area, with students from low-income households.

## 3. The Practice

the students from each class and each branch are divided into small groups of 15 to 20 students and each group is allocated a teacher as Mentor.

## 4. Evidence of Success

Due to interactions during Mentoring program contact hours between teacher and students is enhanced.

## 5. Problems Encountered and Resources Required

Initially it was very difficult to have an exclusive time slot for mentoring.

## 2. International Tour

### 1.Objectives of the Practice

The various objectives of International tour are:

1. Academic Enhancement:

To complement the academic curriculum and coursework by offering students opportunities to explore subjects of relevance to their studies.

1. Educational Enrichment:

To provide students with a unique and immersive learning experience that goes beyond the classroom.

**2. The Context**

The students must aeare about the recent trends which takes place globally so the International tour is needed.

**3. The Practice**

Interested students submit the application in the prescribed format

**4. Evidence of Success**

- The students were overwhelmed by their experience during the visit and interaction with the students at BIT Pilani University, Dubai.

**5. Problems Encountered and Resources Required**

It was challenging to balance regular teaching classes and academic calendars

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://mcoet.mauligroup.org/IQAC-best%20practices.html |
| Any other relevant information | Nil |

## 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Training and Placement of the students:

The performance of the institution was remarkable in the area of Training and placement of the students during the current academic year.

During the year, placement of the students was increased in MNC`s such as TCS, Wipro, Cognizant etc. with good packages.Training and placement cell have organized for Expert talks on Software industry needs , Importance of Java ,python, C++.Institute.Institute arranged the Coding ,Languages andSoftware's courses for the students in year 2022-23.The value added courses are also conducted by all the departments and monitored the students participation effectively. Courseon Japanesse language is offered to the students. The special committee is formed to monitor these courses leading to more placement of the students.

# Part B

## CURRICULAR ASPECTS

## 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

**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 developvarious strategies for the effective planning and delivery of the curriculum.**
- **Academic calendar is prepared and displayed on all notice boards and website.**
- **Based on the interest and expertise of the faculty, the teaching load is distributed among the faculty members in a meeting.**
- **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.**
- **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.**
- **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.**
- **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.**
- **Feedback is taken from all the students in structured format at the end of each semester which is conveyed to the faculty members after analysis.**

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **No File Uploaded** |
| Link for Additional information | https://adminmauli.edupluscampus.com/ERPCourseOfferingBatch/addUnit?coffid=1008&loadtype=Theory |

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

- **Before the commencement of the academic year, Institute publish academic calendar which consists of the teaching learning and examination (internal as well as university) schedule, various events to be organized and holidays.**
- **The academic calendar is also published on the college website and circulated among the faculty members.**
- **Academic progress of the students is monitored regularly with Continuous Internal Evaluation (CIE). The review of the internal assessment process is taken by the principal regularly.**
- **The weightage for the Continuous Internal Evaluation of theory courses is 20 % whereas that for the practical courses, it is 50 %. The internal assessment of theory courses have three parts: Two Unit Tests, Choice based Components (CBCs) and Attendance.**
- **The institute adopted Choice-based components of internal assessment consists of assignments, mini projects, surprise tests, open book test, periodical quizzes, tutorials, group discussion, case study, viva, seminar, etc.**
- **The reformed structure of CIE enables faculty to identify slow learners and provide them an opportunity to improve their performance.**
- **Academic calendar is prepared by the Exam In charge in consultation with the heads of the departments and the in charge of different activities after compiling inputs from the teaching plans of the faculty members.**

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **No File Uploaded** |
| Link for Additional information | https://mcoet.mauligroup.org/student-conti-internal-assessment.html |

| **1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University  Setting of question papers for UG/PG programs  Design and Development of Curriculum for Add on/ certificate/ Diploma Courses  Assessment /evaluation process of the affiliating University** | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Details of participation of teachers in various bodies/activities provided as a response to the metric | View File |
| Any additional information | View File |

## 1.2 - Academic Flexibility

## 1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

## 1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

**05**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Minutes of relevant Academic Council/ BOS meetings | **No File Uploaded** |
| Institutional data in prescribed format (Data Template) | View File |

**1.2.2 - Number of Add on /Certificate programs offered during the year**

**1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)**

06

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Brochure or any other document relating to Add on /Certificate programs | View File |
| List of Add on /Certificate programs (Data Template ) | View File |

**1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year**

349

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Details of the students enrolled in Subjects related to certificate/Add-on programs | View File |

**1.3 - Curriculum Enrichment**

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

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.

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 first year engineering curriculum which covers communication abilities.**

**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.**

**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 the Social Science and Engineering Economics.**

**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.**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. | View File |

**1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year**

**16**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Programme / Curriculum/ Syllabus of the courses | **No File Uploaded** |
| Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses | **No File Uploaded** |
| MoU's with relevant organizations for these courses, if any | **No File Uploaded** |
| Institutional Data in Prescribed Format | View File |

## 1.3.3 - Number of students undertaking project work/field work/ internships

**390**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| List of programmes and number of students undertaking project work/field work/ /internships (Data Template) | View File |

## 1.4 - Feedback System

| | |
|---|---|
| **1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni** | **A. All of the above** |

| File Description | Documents |
|---|---|
| URL for stakeholder feedback report | https://mcoet.mauligroup.org/IQAC-feedbacksystem.html |
| Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management | View File |
| Any additional information | View File |

| 1.4.2 - Feedback process of the Institution may be classified as follows | A. Feedback collected, analyzed and action taken and feedback available on website |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| URL for feedback report | https://mcoet.mauligroup.org/IQAC-feedbacksystem.html |

## TEACHING-LEARNING AND EVALUATION

## 2.1 - Student Enrollment and Profile

## 2.1.1 - Enrolment Number Number of students admitted during the year

## 2.1.1.1 - Number of students admitted during the year

**282**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Institutional data in prescribed format | View File |

## 2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

## 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

**157**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Number of seats filled against seats reserved (Data Template) | View File |

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution uses two approaches to assess learners learning levels at the beginning of the academic year. All first-year admitted students take a specific diagnostic test to determine which ones are advanced and which are slow learners.

Additionally, depending on their success on the exam from the previous semester, all faculty members who teach theory and practical classes identify advanced and slow learners in their regular classes. The following actions are made to improve learner performance

- Slow learners undergo remedial classes.
- In order to get more input for the courses, slow learners are asked to meet with the appropriate faculty members.
- The inclusion of simple, standard lecture notes and course materials.
- Unit Test model solutions are presented and discussed.
- Lateral entry students who are accepted into the third semester after diploma are scheduled for extra classes.
- Under the guidance of academic members, students are encouraged to participate in national contests like the Smart India Hackathon.
- Gate classes are conducted for advanced learners and motivated to go for online NPTEL like courses.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | View File |

**2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)**

| Number of Students | Number of Teachers |
|---|---|
| 1007 | 71 |

| File Description | Documents |
|---|---|
| Any additional information | [View File]() |

## 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

To enhance the learning experiences of students, practices and activities implemented by institute are as listed below

**Experiential Learning**

- 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**

- 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 are organized by the student clubs, like Ignite.
- Projects
- Mini Projects
- Participate in various inter-college and intra-college technical festivals and other competitions like Hackathons, Aavishkar, etc.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Link for additional information | Nil |

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

To enhance the learning experience of students, all the faculty members in the institute are using various ICT facilities, like

- LMS Moodle is used.
- The institute has implemented 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 were motivated to join various online (STTP) skill development programs organized by Excelr, Braonovision, etc.
- Give training to the students by using virtual platforms like Tinkercad, specially designed for circuit simulation of various microcontrollers, node MCUs, and embedded systems.
- Classwise WhatsApp groups are created to transfer information like notices and others.

27-04-2024 02:51:30

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Provide link for webpage describing the ICT enabled tools for effective teaching-learning process | View File |

## 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

## 2.3.3.1 - Number of mentors

**71**

| File Description | Documents |
|---|---|
| Upload, number of students enrolled and full time teachers on roll | View File |
| Circulars pertaining to assigning mentors to mentees | View File |
| Mentor/mentee ratio | View File |

## 2.4 - Teacher Profile and Quality

## 2.4.1 - Number of full time teachers against sanctioned posts during the year

**71**

| File Description | Documents |
|---|---|
| Full time teachers and sanctioned posts for year (Data Template) | View File |
| Any additional information | **No File Uploaded** |
| List of the faculty members authenticated by the Head of HEI | View File |

## 2.4.2 - Number  of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

## 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

**08**

| File Description | Documents |
|---|---|
| Any additional information | *View File* |
| List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template) | *View File* |

## 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

## 2.4.3.1 - Total experience of full-time teachers

**326**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| List of Teachers including their PAN, designation, dept. and experience details(Data Template) | *View File* |

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

**Internal:**

- **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 semester-long tests centrally and oversees all activities, including question paper setting, seating arrangements, invigilation, and results declaration.**
- **Test papers are evaluated within three days, answer sheets distributed for verification, and grievances addressed in class. Results are displayed on department notice boards.**
- **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 parents are informed frequently about the performance of their wards.**
- **An experiment-wise independent CIE proforma is intended.**

**External:**

**Sant Gadge Baba Amravati University conducts external assessments of theory and practical, and the university circulates a schedule.**

- **The topic chairman and subject experts set the theory papers, and the university-appointed subject experts evaluate them.**
- **The university appoints an internal and external examiner from another institute to conduct the final examination for lab and project work.**
- **The university has achieved transparency by offering a paper reassessment system.**

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Link for additional information | http://mcoet.mauligroup.org/student-conti-internal-assessment.html |

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

**Grievance Redressal**

- **The institute has a well-defined grievance redressal system, which has been made known to staff and students through programs and notices.**
- **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. The committees entertain complaints received from both facilities.**
- **The Committee addresses the grievances in a maximum of six days or immediately, based on the priority and nature of the complaint, and communicates to the concerned authority for a suitable action or a possible redress.**

- ○ **The written complaints can be submitted or emailed to any of the committee members or class counselors or via online Eduplus ERP.**

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Link for additional information | **Nil** |

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

- ○ **Each department of the institute follows the twelve Programme Outcomes as suggested by AICTE, New Delhi.**
- ○ **In addition to POs, Programme Specific Outcomes, Programme Educational Objectives and Course Outcomes are defined by all the departments.**
- ○ **COs are defined as per syllabus using Blooms Taxonomy and mapped with POs and PSOs according to correlation level.**
- ○ **The attainment of POs and PSO is determined at the end of programme as per the CO-PO mapping and correlation level through the attainment of COs.**
- ○ **CO attainment is calculated at the end of each course using direct and indirect methods.**
- ○ **The results of University examination and Continuous Internal Evaluation contribute to direct method of attainment whereas Course Exit Survey based on a questionnaire designed as per COs contributes to indirect method of attainment.**
- ○ **POs, PEOs, PSOs and COs for all the courses are kept available on respective department page of Institute website and notice boards of HOD cabin and every laboratory of the departments.**
- ○ **At the beginning of every course, the faculty member discusses the course outcomes in the classroom as well as in the laboratory.**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Paste link for Additional information | https://mcoet.mauligroup.org/CO-PEO-PSO-PO.html |
| Upload COs for all Programmes (exemplars from Glossary) | View File |

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

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:

The mappings from COs to POs and PSOs serve as the foundation for evaluating PO and PSO accomplishment. Three levels are used to describe mapping strength: Low (1), Medium (2), and Strong (3). For every course, including first-year courses, a program-level Course-PO matrix is created.

Indirect Methods:

The attainments of POs and PSOs are normalized to 1. This means that if a PO is to be treated at the level of 3 and the CO attainments linked with it are 100%, then the PO's attainment is 3.

Attainment Level:

The attainment level is given as below:

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.**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for Additional information | https://mcoet.mauligroup.org/CO-PEO-PSO-PO.html |

### 2.6.3 - Pass percentage of Students during the year

### 2.6.3.1 - Total number of final year students who passed the university examination during the year

**209**

| File Description | Documents |
|---|---|
| Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template) | [View File](#) |
| Upload any additional information | [View File](#) |
| Paste link for the annual report | **Nil** |

### 2.7 - Student Satisfaction Survey

### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://mcoet.mauligroup.org/IQAC/Student%20Satisfaction%20Survey(SSS)_A.Y.2022-23.pdf

### 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 year (INR in Lakhs)

### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research

**projects / endowments in the institution during the year (INR in Lakhs)**

**2 Lakhs**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| e-copies of the grant award letters for sponsored research projects /endowments | **No File Uploaded** |
| List of endowments / projects with details of grants(Data Template) | View File |

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**

**3.1.2.1 - Number of teachers recognized as research guides**

**03**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Institutional data in prescribed format | View File |

**3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**

**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

**NIL**

| File Description | Documents |
|---|---|
| List of research projects and funding details (Data Template) | **No File Uploaded** |
| Any additional information | **No File Uploaded** |
| Supporting document from Funding Agency | **No File Uploaded** |
| Paste link to funding agency website | **Nil** |

**3.2 - Innovation Ecosystem**

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

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

- College Organized Online workshop on Intellectual Property Rights in order to promote research and development activities.

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

- Promotes quality research in the 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 on 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 registration has increased, which subsequently leads to knowledge/technology transfer.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File] |
| Paste link for additional information | **Nil** |

**3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**

**3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

**01**

| File Description | Documents |
|---|---|
| Report of the event | **No File Uploaded** |
| Any additional information | [View File] |
| List of workshops/seminars during last 5 years (Data Template) | [View File] |

**3.3 - Research Publications and Awards**

**3.3.1 - Number of Ph.Ds registered per eligible teacher during the year**

**3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

**03**

| File Description | Documents |
|---|---|
| URL to the research page on HEI website | https://mcoet.mauligroup.org/RPC-researchprojects.html |
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template) | [View File] |
| Any additional information | [View File] |

**3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**

**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

**31**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| List of research papers by title, author, department, name and year of publication (Data Template) | View File |

### 3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

**08**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| List books and chapters edited volumes/ books published (Data Template) | View File |

### 3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

**The holistic development of students takes place through the various activities organized by the student chapters. All the students and faculty members participate actively in the programs organized for networking with the neighbourhood community. Mock CET is organized every year for students of 12th class of nearby region to practice for final entrance exam.**

**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.**

- **Shivrajyabhishek Program**
- **Yoga Day in collaboration with Patanjali Centre Shegaon,**
- **Tree Plantation,**
- **Labour Donation at River, Kanarkhed,Shegaon Maharashtra**
- **Blood Donation Camp**
- **Cleanliness Awareness Campaign**
- **Har Ghar Tiranga Rally**
- **Water Awareness**
- **Celebration of 'Gajanan Maharaj Palkhi Sohla' and 'Gajanan Maharaj Pragat Diwas'**
- **Unemployment Survey**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | View File |

**3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**

**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

**01**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Number of awards for extension activities in last 5 year (Data Template) | View File |
| e-copy of the award letters | View File |

**3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

**3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

**12**

| File Description | Documents |
|---|---|
| Reports of the event organized | View File |
| Any additional information | No File Uploaded |
| Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template) | View File |

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

**633**

| File Description | Documents |
|---|---|
| Report of the event | View File |
| Any additional information | No File Uploaded |
| Number of students participating in extension activities with Govt. or NGO etc (Data Template) | View File |

**3.5 - Collaboration**

**3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**

**3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

**01**

| File Description | Documents |
|---|---|
| e-copies of related Document | **No File Uploaded** |
| Any additional information | **No File Uploaded** |
| Details of Collaborative activities with institutions/industries for research, Faculty | *View File* |

**3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year**

**3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year**

**32**

| File Description | Documents |
|---|---|
| e-Copies of the MoUs with institution./ industry/corporate houses | *View File* |
| Any additional information | **No File Uploaded** |
| Details of functional MoUs with institutions of national, international importance, other universities etc during the year | *View File* |

**INFRASTRUCTURE AND LEARNING RESOURCES**

**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning. viz., classrooms, laboratories, computing equipment etc.

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


**(a) Physical Facilities**


**i) Classrooms:**

The institute has more than 22 classrooms with adequate facilities such as Furniture, blackboard, projector, fans, lights and power backup. The Institute has well-furnished, well ventilated and spacious teaching block for conducting theory classes and tutorials. Each department has one digital/smart classroom with LCD projector, sound system and internet connectivity facilities.

ii)Laboratories:

Institute features 46 well equipped laboratories with LCD projector, sound system and internet connectivity facilities. The laboratories are equipped with safety aids such as fire extinguisher, first aid box and display of safety instructions.

The institute has a drawing hall with provision for height and angle adjustment of the drawing tables. The college has well equipped

Language Lab with LCD Projector –Audio-video facilities, computers, chairs and microphones.

iii)Seminar Halls:

The institute has a central seminar hall, each department has fully equipped seminar hall with LCD Projector, white board facility, WIFI, Audio and Video facilities to conduct conferences, seminars, workshops, expert lectures etc.

iv)Computing equipment:

Besides a fully equipped central computer laboratory, every department has a computer laboratory which is utilized for project development, internet surfing, feedback process, Moodle and aptitude tests.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs%2022/4.1.1_The%20Institution%20has%20adequate%20infrastructure%20and%20physical%20facilities%20for%20teaching-%20learning.pdf |

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The institute consistently prioritizes athletics, games, and cultural activities. The institute provides enough facilities for these activities and encourages students to engage in different tournaments. Attendance is taken into account in academic courses for students who represent the college in inter-university, national, and worldwide events, as well as TA/DA, sports equipment, and uniforms.

Sports:

The Institute consistently encourages student engagement in sports, both indoors and outside. The campus offers a playground for games such as cricket, football, volleyball, handball, kabaddi, kho-kho, disc throw, and long jump. Sport and gym facilities are offered to both students andstaff members.

Cultural Activities

Cultural activities are organized throughout the year to promote cultural growth during various holidays. The college organized events such as the annual gathering and IGNITE, a national-level techno-cultural event. All the seminar halls, auditorium and open air cultural centre are provided with adequate facilities to conduct various cultural activities.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs%2022%20/4.1.2_The%20Institution%20has%20adequate%20facilities%20for%20cultural%20activities%20sports_games.pdf |

## 4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

**26**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs%2022/4.1.3_Number%20of%20classrooms%20and%20seminar%20halls%20with%20ICT-%20enabled%20facilities.pdf |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

## 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

## 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

**37.39**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Upload audited utilization statements | View File |
| Upload Details of budget allocation, excluding salary during the year (Data Template | View File |

**4.2 - Library as a Learning Resource**

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

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

EduPlus Campus enables the library users to know list of records of presently available books within library, Online access open for users throughout the campus. All books in library are barcoded. The computers provided in library are connected with LAN. WI-FI facility also enabled in library. All the users can access library resources online through user account.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for Additional Information | Nil |

| **4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources** | A. Any 4 or more of the above |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template) | [View File](#) |

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

**1.17**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Audited statements of accounts | **No File Uploaded** |
| Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template) | View File |

**4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)**

**4.2.4.1 - Number of teachers and students using library per day over last one year**

**105**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Details of library usage by teachers and students | View File |

**4.3 - IT Infrastructure**

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

**1. Upgraded network infrastructure**

**Internet facility is provided in the campus to all the faculty members and students. 52 Mbps bandwidth is available (20Mbps-BSNL,32Mbps)**

**2. Renewal of Antivirus software Annually: In order to protect huge amounts of data from viruses, Trojans, rootkits, ransom ware, 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 :**

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

**4. Up gradation of ERP software:**

To 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. Licensed Software**

The laboratories are equipped with modern software & equipment, including industry standard tools like TURNITIN.

**6. Upgradation of CCTV Cameras and Wi-Fi facility to avoid the unlawful activities in college campus**

**7. UPS:** 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.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs/4.3.1_%20IT%20facilities%20including%20Wi-Fi.pdf |

## 4.3.2 - Number of Computers

**377**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| List of Computers | View File |

| **4.3.3 - Bandwidth of internet connection in the Institution** | **A. ? 50MBPS** |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional Information | View File |
| Details of available bandwidth of internet connection in the Institution | View File |

## 4.4 - Maintenance of Campus Infrastructure

**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)**

**4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

**161.99**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Audited statements of accounts | [View File](#) |
| Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates) | [View File](#) |

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

**Utilization and Maintenance of Academic Facilities**

- **Funds are allocated for the maintenance of the laboratories and the classrooms.**
- **The records of all the equipment's are maintained in stock**

**registers.**

- **The laboratory equipment's are checked and calibrated periodically.**
- **Monthly monitoring of electrical equipment such as Generator, UPS, and Batteries is done and its status entered in stock book.**

**Utilization and Maintenance of Computers:**

- **The institute has utility software's which are installed at different locations like office, laboratories, library, departments etc. and System administrator takes care of maintenance.**
- **The central computer laboratory, office and Library are connected in LAN.**
- **The institute website is maintained and updated regularly by System administrator.**

**Maintenance of Physical and Support facilities:**

- **Maintenance of CCTVs is outsourced and maintenance of ROwater plant is done on regular basis.**

- **Regular control and monitoring of the Generator is done by the electricians of the institute.**
- **Plumbing related maintenance is regularly done by the institute's technical staff. Students regularly avail the existing facilities of the sports department. All the sports facilities are maintained by non-teaching staff of the institute under the supervision of full time Sports director.**
- **Every day cleaning of toilet blocks and wash rooms is done by the team of cleaning staff members.**
- **The institute garden and trees are maintained by the gardeners of the institute.**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | **Nil** |

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

**897**

| File Description | Documents |
|---|---|
| Upload self attested letter with the list of students sanctioned scholarship | View File |
| Upload any additional information | **No File Uploaded** |
| Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template) | View File |

### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

**5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year**

**26**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template) | View File |

| **5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills** | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Link to Institutional website | https://mcoet.mauligroup.org/support%20docs/5.1.3_skills%20enhancement%20initiatives.pdf |
| Any additional information | View File |
| Details of capability building and skills enhancement initiatives (Data Template) | View File |

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

**699**

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

**699**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template) | View File |

| **5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees** | A. All of the above |
|---|---|

| File Description | Documents |
|---|---|
| Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee | View File |
| Upload any additional information | View File |
| Details of student grievances including sexual harassment and ragging cases | View File |

**5.2 - Student Progression**

**5.2.1 - Number of placement of outgoing students during the year**

**5.2.1.1 - Number of outgoing students placed during the year**

107

| File Description | Documents |
|---|---|
| Self-attested list of students placed | View File |
| Upload any additional information | View File |
| Details of student placement during the year (Data Template) | View File |

## 5.2.2 - Number of students progressing to higher education during the year

## 5.2.2.1 - Number of outgoing student progression to higher education

**05**

| File Description | Documents |
|---|---|
| Upload supporting data for student/alumni | View File |
| Any additional information | **No File Uploaded** |
| Details of student progression to higher education | View File |

## 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

## 5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

**01**

| File Description | Documents |
|---|---|
| Upload supporting data for the same | View File |
| Any additional information | **No File Uploaded** |
| Number of students qualifying in state/ national/ international level examinations during the year (Data Template) | View File |

## 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 year**

**5.3.1.1 - 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 year.**

**04**

| File Description | Documents |
|---|---|
| e-copies of award letters and certificates | View File |
| Any additional information | **No File Uploaded** |
| Number of awards/medals for outstanding performance in sports/cultural activities at uni versity/state/national/internati onal level (During the year) (Data Template) | View File |

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

College students can actively engage in college operations while collaborating with administration, instructors, staff, and parents, through the Students' Council. Our students can contribute significantly to the institute's overall development. Student's social skills, flexibility, initiative, curiosity, imagination, and learning strategy towards common objectives are all enhanced by co-curricular and extracurricular activities. Indulging with these activities, they may discover new interests, boost their confidence, develop their leadership abilities, and even get better grades. Additionally, there are other ways in which the College Development Committee (CDC) and the Students' Council collaborate to design college policies that are beneficial to both the students and the college.

A significant part of the College Cleanliness Campaign is played by the Council. It plans cultural events and contests, tree plantings on campus and outside the city, and sporting events at different levels for the college community. It initiates the upholding of discipline in the college and actively engages in the conflict resolution process set up by

**the college**

| File Description | Documents |
|---|---|
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs/5.3.2_administrative,%20co-curricular%20and%20extracurricular%20activities.pdf |
| Upload any additional information | View File |

**5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)**

**5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

**22**

| File Description | Documents |
|---|---|
| Report of the event | **No File Uploaded** |
| Upload any additional information | View File |
| Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template) | View File |

## 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

**There is an Alumni Association of the institution. The achievements of an institute's alumni reflects the reputation of the institute. Mauli alumni association was established in 2017 and is known as the "Mauli Alumni Association" (MAA), with registration number Buldhana/0000005/2017.The association has the office bearers, framed bi-laws, informal governing body with principal as the ex-officio member. The alumni meet is held once in a year. There is consistent**

support from alumni members to the institute for arranging in plant training, career guidance, recruitment, guest lectures, technical support and much more in the form of direct or indirect support. A Convener and one faculty representative from each department lead the MAA. Its activities and important contributions to institutional, academic and infrastructure development are noteworthy. The institution maintains the information of alumni on college website in addition to social media pages on Facebook, Instagram, and Telegram. It uses social networking to connect with all graduates. This led to more frequent interaction with the alumni. In the last five years, several MGICOETs alumni addressed college students & made the students aware of the current industry practices & requirements. These deliberations by the alumni has benefitted the college students immensely. Alumni helped other students in choosing the right subjects, prepared for their target and guided them about the career streams. As a result of alumni relations, the institute has seen a notable increased in placement and admitted students.

| File Description | Documents |
|---|---|
| Paste link for additional information | https://alumni.mcoet.mauligroup.org/ |
| Upload any additional information | No File Uploaded |

## 5.4.2 - Alumni contribution during the year (INR in Lakhs)

D. 1 Lakhs - 3Lakhs

| File Description | Documents |
|---|---|
| Upload any additional information | View File |

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

## 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision of MGI-COET: To be premier Institute in Technical Education and Research producing socially responsible and globally acceptable professionals.

Mission of MGI-COET: 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 leadership at the institute is provided by the Chairman to guide the college ably assisted by Principal, Registrar and Heads of academic Units. Efficient and smooth governance is implemented through BOG (Board Of Governors), CDC (College Development Committee), IQAC (Internal Quality Assurance Cell), Grievance cell, Admission committee etc., Besides these, there are several other committees for the governance like Training & Placement Department, Examination Cell, Industry Institute Interaction Cell, Career guidance cell, competitive examination cell, Grievance redressal cell, Admission Committee, NSS unit, vigilance committee, Sports and Cultural committee.

Participation of the teachers in the decision making process:

Teachers are represented on various academic and administrative committees thereby contributing in making decisions related to academic and administrative issues. In addition to various other committees teachers have active representation in BOG (Board Of Governors), CDC (College Development Committee), IQAC (Internal Quality Assessment Cell), Grievance cell, Admission committee etc.

| File Description | Documents |
|---|---|
| Paste link for additional information | http://mcoet.mauligroup.org/visionmission.html |
| Upload any additional information | No File Uploaded |

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The management of the institute encourages decentralization of authority by the active involvement of the governing body and college development committee in policy making. Roles and responsibilities at various levels are well defined. Principal supervises the functioning of all the departments.

Daily academic activities of the departments are taken care of by the respective HOD. There are frequent meetings of the Principal with the HODs, Section In-charges and other administrative staff. The decisions made on the crucial issues in the Principal's meeting are submitted to the management for approval. HODs conduct meetings regularly with faculty members and staff in the department to discuss the academic planning, course delivery, reviews, etc. The resolutions made in these meetings are communicated to the Principal for further information and necessary approvals in certain cases. All the faculty members and staff are involved in the decision making on new initiatives as well as in regular academics. Many committees and cells are formed to decentralize the academic and administrative activities. Few of these are mentioned below.

- IQAC
- College Development Committee
- Student Council
- Disciplinary and Anti-Ragging Committee
- Internal Grievance Redressal Committee
- Internal Complaint Committee
- Examination Cell
- Purchase Committee
- Research Promotion Cell
- Training and Placement Cell
- Library Committee
- NSS Unit

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | View File |

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Perspective plan of the institute:

The institute is dedicated to ideal of providing quality education to the rural backward area that can be compared with the quality of education given in urban sophisticated areas. Institute has the perspective plan to achieve its vision,

- Induction of more Ph.D. faculties.
- Enrichment of ICT based teaching-learning process
- Obtaining grants for research projects from various Government funding agencies and patents.
- Enhancing consultancy assignments with the industry and Governmental organizations.
- Plan for extensions in the building, and renovations to meet the growth requirements.
- Establishment of centers of excellence in various technology domains with industry support.
- Collaborations with foreign universities.
- Enhancing the number of entrepreneurs.

To strengthen student placement in national and multinational companies:

To guide and aware the students to choose the right career and to give knowledge, skills, and aptitude so as to meet the industry requirements, various skill enhancing activities were planned and executed under the Training and Placement Department. The skill enhancement activities include guest lectures from eminent industry persons, Career Guidance Programs, training programs for personality development, technical skill development, group discussions, interview skills etc. Placement centric activities were conducted to bridge the gap between the Institute and industry. All these activities helped strengthen the placement in National and Multinational companies.

| File Description | Documents |
|---|---|
| Strategic Plan and deployment documents on the website | No File Uploaded |
| Paste link for additional information | http://mcoet.mauligroup.org/visionmission.html |
| Upload any additional information | No File Uploaded |

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The institution strictly follows the norms laid down by the UGC, Government of Maharashtra and the University in terms of appointments, promotions, other academic matters as well as

administrative and financial matters. The Board of Governors (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 College Development Committee (CDC) established as per the Maharashtra University Act, 2016 and Internal Quality Assurance Cell (IQAC) plays crucial role in developing and improving the academic and administrative practices The academic functions related to implementation of effective teaching-learning process of every academic department are carried out under the supervision of respective head of the departments (HOD). All HODs are conducting regular meetings for smooth functioning of the department, while the Principal meets with all the HODs frequently. Additionally, there are other independent committees and cells working under the Principal such as Examination Cell, Internal Grievance Redressal Committee, Internal Complaint Committee (ICC), Research Promotion cell, Training and Placement cell, Anti-Ragging Committee, Student Council, etc. The registrar of the institute takes care of the office administration assisted by the Office superintendent and Accountant.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Link to Organogram of the institution webpage | https://mcoet.mauligroup.org/org-institute.html |
| Upload any additional information | View File |

| 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination | A. All of the above |
|---|---|

| File Description | Documents |
|---|---|
| ERP (Enterprise Resource Planning)Document | View File |
| Screen shots of user inter faces | View File |
| Any additional information | No File Uploaded |
| Details of implementation of e-governance in areas of operation, Administration etc(Data Template) | View File |

## 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The progress of any organization depends on its employees. For the betterment of its employees, the institute has various welfare schemes for teaching and non-teaching staff.

- Free accommodation facility is provided for needy staff in the hostel.
- Financial assistance is provided to faculty to participate in training programs, workshops, conferences and publication of books.
- Employee Provident Fund (EPF) is applicable to the staff of college as per PF rules.
- Fee concession to wards of economically weak staff is provided.
- Free bus facility is provided for staff members who are in need.
- 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**

| File Description | Documents |
| --- | --- |
| Paste link for additional information | **Nil** |
| Upload any additional information | View File |

**6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year**

**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

**04**

| File Description | Documents |
| --- | --- |
| Upload any additional information | View File |
| Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template) | View File |

**6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**

**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

**05**

| File Description | Documents |
| --- | --- |
| Reports of the Human Resource Development Centres (UGCASC or other relevant centres). | **No File Uploaded** |
| Reports of Academic Staff College or similar centers | **No File Uploaded** |
| Upload any additional information | **No File Uploaded** |
| Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template) | View File |

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**

**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

**34**

| File Description | Documents |
| --- | --- |
| IQAC report summary | **No File Uploaded** |
| Reports of the Human Resource Development Centres (UGCASC or other relevant centers) | **No File Uploaded** |
| Upload any additional information | View File |
| Details of teachers attending professional development programmes during the year (Data Template) | View File |

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

**The Institute recognizes the importance of the dedicated faculty for realizing its vision. The management of the institutes believes that the human resource is a key to**

success. Performance appraisal and 360° Feedback Form of teaching and non-teaching staff is done annually. Head of the concerned department gives his/her Confidential Report (CR) about the teaching staff in his department as per based on the parameters such as student feedback, student performance analysis, peer feedback, teaching experience in this institute. Ranking is given on the basis of professional learning, commitment to student and profession, professional knowledge and skills like understanding of the subject area, factors that affect student learning, professional competence, lesson delivery, professional development and achievement .Common behaviors that teaching staff routinely exhibits, interpersonal skills, cognitive abilities, punctuality, capacity to handle workload are also key factors in performance appraisal. The College office also maintains this report. Non-teaching staff performance is appraised with the help of the confidential report of the head of the concerned department. Working experience in this institute, dedication to work is considered in performance appraisal.

| File Description | Documents |
|---|---|
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs/Mauli%20form%20-%20360%20feedback%20V%202.0-%20final.pdf |
| Upload any additional information | View File |

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The Institution conducts internal and external financial audits regularly. External Audit: The institute conducts external audits annually at the end of the financial year through external Auditors, M/s. U. R. Baraliya Co., Khamgaon. The concerned staff satisfies the queries and objections of the auditor along with documentary evidence. In this matter, they receive guidance from the Principal and the Registrar. After reviewing the provided financial details of the institute, the external auditor suggests the standard procedures to be followed. The external auditor verifies the

vouchers, bills, bank balance deposit receipts, and stock registers. There are no major audit objections till date. In the case of minor audit objections, the account sections discuss the matter with management of the institute, and then take consultation from external auditors. The actions suggested by the external auditor are strictly followed to resolve the audit objections. Internal Audit: The internal audit committee conducted the audit for the year 2021-22. The report of the internal audit is presented to the Principal and concerned department to follow the suggestion given by the committee. In addition, the registrar and accountant review all details of bank balance, payments, and other financial transactions monthly with the help of Tally software. The internal and external expenditure on accounts of all heads are maintained up to date.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | [View File](#) |

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

**6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

2 Lakhs

| File Description | Documents |
|---|---|
| Annual statements of accounts | No File Uploaded |
| Any additional information | [View File](#) |
| Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template) | [View File](#) |

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The main source for funds 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 the State Government. Effective use of available resources is ensured through proper systems. The budget is prepared on a yearly basis by the Accounts Department. At the beginning of every financial year, requirements of all the departments, Library and various cells are submitted to the Principal. The Principal scrutinizes the demands in HOD meetings then sent to the management for approval. The budget is reviewed by the management and approved after necessary changes. As and when required, the institute makes a provision for additional funds. The sanctioned Budget is utilized for the proposed activities. The Purchase Committee takes care that purchases are done properly as per rules. The time-table committee ensures proper utilization of classrooms and laboratories. The Library Committee sees that the resources in the library are utilized optimally. The IQAC and CDC review the utilization of the resources periodically. The Principal issues directions from time to time to ensure the optimum utilization of resources. The Accounts section maintains all records of income and expenditure to ensure financial transparency.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

## 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

- IQAC initiated outcome based education practice that consists of predefining the expected outcomes of the course and program, course delivery planning, determining the attainment of outcomes and corrective actions to achieve the set targets. Guidelines were given to all the faculty members through meetings for drafting the course outcomes (COs), Programme Specific Outcomes (PSOs), and Programme Educational Objectives (PEOs) and determining the attainment of POs. COs were defined as per syllabus using Bloom's Taxonomy and mapped with POs and PSOs according to correlation

**levels. At the end of each course, CO attainments were calculated using direct and indirect methods.**

- **The mentoring of students initiated by IQAC serves as one of the tools developed to encourage a strategy that will guide the students to produce tangible results for satisfying the expectations from an upcoming engineer. The higher class students acting as a mentor and their juniors as mentees conducted various skill development activities.**

- **A Learning Management System i.e. Moodle was introduced by IQAC in the institute to Strengthen the learning activities. Motivating the faculty and students played a crucial role in implementing the use of Moodle. The performance of students was monitored through conduction of assignments, online tests.**

| File Description | Documents |
|---|---|
| Paste link for additional information | https://mcoet.mauligroup.org/support%20docs%202022/6.5.1_Internal%20Quality%20Assurance%20Cell%20(IQAC)%20has%20contributed%20significantly%20for%20institutionalizing%20the%20quality%20assurance%20strategies%20and%20processes.pdf |
| Upload any additional information | View File |

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

**The implementation of teaching-learning evaluation and review of the processes is facilitated by the IQAC. Academic review through periodical meetings: The IQAC conducts periodical meetings with the departments, Internal Examination Committee, Council of the Heads, the principal, College Development Committee throughout the academic year in the presence of the IQAC coordinator. The IQAC Coordination conducts an academic review of all departments collecting information on academic activities, such as completion of study programs, unit tests, assignments, seminars, group discussion, quiz, education tour and other activities. Faculty and Head of Department (HOD) meet regularly with relevant services to assess academic and administrative issues. Important questions are discussed in meetings with**

**IQAC and Faculty heads. Use and enrichment of ICT infrastructure: The use of ICT tools has become an integral part in the teaching learning process. IQAC always encouraged teachers to utilize these tools in academic and laboratories. IQAC prepares the plan to include the use and enrichment of ICT infrastructure expected from each department. The IQAC has advised the administration to enrich ICT infrastructure and tools, broadband internet Wi-Fi facility. Periodically IQAC has trained teachers and non- teaching staff to use ICT by arranging different workshop i.e. Google Apps, Video conference, use of e-mail, handling ICT instruments etc.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | **No File Uploaded** |

| **6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)** | A. All of the above |
|---|---|

| File Description | Documents |
|---|---|
| Paste web link of Annual reports of Institution | https://mcoet.mauligroup.org/IQAC-feedbacksystem.html |
| Upload e-copies of the accreditations and certifications | View File |
| Upload any additional information | View File |
| Upload details of Quality assurance initiatives of the institution (Data Template) | View File |

**INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 - Institutional Values and Social Responsibilities**

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

**Women's Rights Policy**

The institute has an ideal working atmosphere for women along with an outstanding ecosystem for gender equity in the workplace. The institute has several points concerning women's rights, including:

- Established procedures to increase women's representation in academic/research leadership positions.
- Organization of programs such as guest lectures, seminars, and workshops on a regular basis to raise gender equity awareness.
- Benefits of Maternity, Paternity and Child Care Leave as per the government rule.

The institution conducted Gender Audit Survey for A.Y. 2022-23 with following objectives

1. To know about Gender balance in the Institution
2. To know about Gender perception in the campus.

**Social Security and Women's Safety**

The institution's initiatives for ensuring safety and support for its students, particularly women are:

**1.Security Measures:**

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

**2.Health and Hygiene Facilities:**

- Separate boys' and girls' restrooms for privacy.
- Sanitary napkin vending and disposal units
- Availability of an ambulance on campus.

**3.Support Services:**

- **Effective mentorship programs to aid academic, emotional, social, and cognitive growth.**

**4.Anticipation and Preparedness:**

- **Proactive preparation for the growing proportion of female students enrolled in various programs.**

**5.Residential Facilities:**

- **Dedicated hostel for female students.**

**6.Campus Amenities:**

- **Additional facilities like mess, internet access, study rooms, entertainment areas, and 24-hour power backup for convenience.**

| File Description | Documents |
|---|---|
| Annual gender sensitization action plan | https://mcoet.mauligroup.org/support%20docs%2022/7.1.1_Annual%20gender%20sensitization%20action%20plan.pdf |
| Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information | https://mcoet.mauligroup.org/support%20docs/7.1.1.pdf |

| **7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures   Solar energy         Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment** | **B. Any 3 of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Geo tagged Photographs | View File |
| Any other relevant information | **No File Uploaded** |

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management  Waste recycling system Hazardous chemicals and radioactive waste management

The institution has created facilities to manage the following types of waste.

- Solid waste management
- Liquid waste management
- E-waste management

Daily all the buildings and other surrounding area in the campus are cleaned and waste separated and disposed in a pit in the campus. The Primary goal of Solid Waste Management is reducing and eliminating adverse impacts of waste materials on human health and environment to support economic development and superior quality of life.

Solid Waste Management:

- Dust bins are placed at specific points.
- Vermicomposting and culture composting pits are made to take care of organic waste.
- Inorganic solid waste like plastic waste decomposes at college level adopting E-brick concept.
- The usage of plastic bags are prohibited.

Liquid Waste Management:

- Machining waste and coolants are collected properly and disposed off. Wastewater of the Institute is collected and treated by soak pit method. The same is reused in the garden.
- Waste water coming from R.O. plant is used for toilet flushing.

E-waste Management:

- E-waste such as CDs, batteries, fluorescent bulbs, PCBs, and electronic items are collected from every department.
- Collected items are stored in store room, and disposed every year accordingly.

- **Inductors, diodes, transistors, etc. are removed from the gadgets for reuse in practical /projects of final-year students.**

**The waste compact discs are used by students for decoration.**

| File Description | Documents |
|---|---|
| Relevant documents like agreements / MoUs with Government and other approved agencies | **No File Uploaded** |
| Geo tagged photographs of the facilities | View File |

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

**A. Any 4 or all of the above**

| File Description | Documents |
|---|---|
| Geo tagged photographs / videos of the facilities | View File |
| Any other relevant information | View File |

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

**A. Any 4 or All of the above**

| File Description | Documents |
|---|---|
| Geo tagged photos / videos of the facilities | View File |
| Various policy documents / decisions circulated for implementation | View File |
| Any other relevant documents | **No File Uploaded** |

**7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution**

| | |
|---|---|
| **7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit   3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities** | **B. Any 3 of the above** |

| File Description | Documents |
|---|---|
| Reports on environment and energy audits submitted by the auditing agency | View File |
| Certification by the auditing agency | View File |
| Certificates of the awards received | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

| | |
|---|---|
| **7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment        5. Provision for enquiry and  information : Human assistance, reader, scribe, soft** | **A. Any 4 or all of the above** |

**copies of reading material, screen reading**

| File Description | Documents |
|---|---|
| Geo tagged photographs / videos of the facilities | [View File](#) |
| Policy documents and information brochures on the support to be provided | **No File Uploaded** |
| Details of the Software procured for providing the assistance | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

**To build a nation of youth who are noble in their attitude and morally responsible, the college conducted several activities. In order to build and promote an environment for ethical, Cultural, and spiritual values among the students and staff workshop/seminar are conducted regularly.The college and its teacher and staff jointly celebrate cultural and regional festivals, like New-year's day, 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. religious ritual activities are performed in the campus. Motivational lectures of eminent persons in the field are arranged for the all-round development of the students for their personality development and to make them responsible citizens following the national values of social and communal harmony and national integration. Besides academic and cultural activities, we have built up many strong infrastructures for a variety of sports activities for the physical development of the students.**

| File Description | Documents |
|---|---|
| Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | [View File](#) |
| Any other relevant information | **No File Uploaded** |

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

**India, as a country, includes individuals with different backgrounds viz., cultural, social, economic, linguistic, and ethnic diversities governed and guided by the Constitution irrespective of caste, religion, race sex. Fairfield Institute of Management & Technology sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to conduct themselves as responsible citizens. To equip students with the knowledge, skill, and values that are necessary for sustaining one's balance between a livelihood and life by providing an effective, supportive, safe, accessible, and affordable learning environment. These elements are inculcated in the value system of the college community. The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities by inviting prominent people. The institute conducted awareness programs on the ban on plastics, cleanliness, Swachh Bharat, etc. involving students. The college establishes policies that reflect core values. A code of conduct is prepared for students and staff and everyone should obey the conduct rules.**

| File Description | Documents |
|---|---|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | **Nil** |
| Any other relevant information | **Nil** |

| **7.1.10 - The Institution has a prescribed** | **B. Any 3 of the above** |
|---|---|

**code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
**4. Annual awareness programmes on Code of Conduct are organized**

| File Description | Documents |
|---|---|
| Code of ethics policy document | View File |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims | No File Uploaded |
| Any other relevant information | No File Uploaded |

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

**The institution celebrates/ organizes national and international commemorative days, events and festivals. National festivals play an important role in planting seeds of Nationalism and Patriotism among the people of India. Our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. The Faculty, Staff and Students of the institution all come together under one umbrella to celebrate these occasions and spread the message of Unity, Peace, Love, and Happiness throughout. Republic day- The institution celebrates Republic Day on 26thJanuary every year, commemorating the adoption of Indian constitution and spreading the message that India is the largest democratic country in the world. Independence Day is celebrated every year on 15th of August, parades and flag hoisting is organized and is celebrated to mark freedom of India from British rule. The institution encourages students to remember**

**our national leaders and their sacrifices.**

**Azadi Ka Amrit Mahotsav was celebrated on 13th August, 2022. International Yoga Day was celebrated International Yoga Day. Celebration of National voter day on 25 Jan 2023 for increasing awareness among students about casting a vote. On 4th March, every year the institute celebrates science day by conducting seminars, quizzes, project competitions, etc. In third week of January every year Institute organizes Ignite-A national level techno cultural event which includes technical as well as cultural events.**

| File Description | Documents |
|---|---|
| Annual report of the celebrations and commemorative events for the last (During the year) | **No File Uploaded** |
| Geo tagged photographs of some of the events | <u>View File</u> |
| Any other relevant information | <u>View File</u> |

## 7.2 - Best Practices

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

**1. Mentoring Program**

**Mentoring First Generation Rural Students to Improve Their Learning Capabilities**

**1. Objectives of the Practice**

**Mentoring is an essential aspect of student support in higher education.**

**2. The Context**

**The college is located in a rural area, with students from low-income households.**

## 3. The Practice

the students from each class and each branch are divided into small groups of 15 to 20 students and each group is allocated a teacher as Mentor.

## 4. Evidence of Success

Due to interactions during Mentoring program contact hours between teacher and students is enhanced.

## 5. Problems Encountered and Resources Required

Initially it was very difficult to have an exclusive time slot for mentoring.

## 2. International Tour

### 1.Objectives of the Practice

The various objectives of International tour are:

1. Academic Enhancement:

To complement the academic curriculum and coursework by offering students opportunities to explore subjects of relevance to their studies.

1. Educational Enrichment:

To provide students with a unique and immersive learning experience that goes beyond the classroom.

### 2. The Context

The students must aeare about the recent trends which takes place globally so the International tour is needed.

**3. The Practice**

**Interested students submit the application in the prescribed format**

**4. Evidence of Success**

- **The students were overwhelmed by their experience during the visit and interaction with the students at BIT Pilani University, Dubai.**

**5. Problems Encountered and Resources Required**

**It was challenging to balance regular teaching classes and academic calendars**

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://mcoet.mauligroup.org/IQAC-best%20practices.html |
| Any other relevant information | **Nil** |

## 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

**Training and Placement of the students:**

**The performance of the institution was remarkable in the area of Training and placement of the students during the current academic year.**

**During the year, placement of the students was increased in MNC`s such as TCS, Wipro, Cognizant etc. with good packages.Training and placement cell have organized for Expert talks on Software industry needs , Importance of Java ,python, C++.Institute.Institute arranged the Coding ,Languages andSoftware's courses for the students in year**

2022-23.The value added courses are also conducted by all the departments and monitored the students participation effectively. Courseon Japanesse language is offered to the students. The special committee is formed to monitor these courses leading to more placement of the students.

| File Description | Documents |
|---|---|
| Appropriate web in the Institutional website | No File Uploaded |
| Any other relevant information | No File Uploaded |

7.3.2 - Plan of action for the next academic year

The plan of action for the next academic year is as given below.

- To organize faculty development programmes on writing research papers
- To conduct Academic and Administrative Audit of the institute
- To emphasize on increasing Alumni interactions for the benefit of students
- To organize industrial visits
- To organize international study tour and sponsor the performing students for the same as per institutional practice.
- To revise the Internal Assessment policy of the project and seminar evaluation.
- To augment the ICT facility of the institute
- To organize competitions for the student related to Robotics. Entrepreneurship, etc.
- To motivate students for participation in in Smart India Hackathon.
- To focus on providing value education and ethics.
- To undertake various community services and extension activities.
- To focus on gender equality, audit and gender sensitization through programmes and related policies.