



## YEARLY STATUS REPORT - 2021-2022

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	MOUNT ZION COLLEGE OF ENGINEERING AND TECHNOLOGY
• Name of the Head of the institution	P. Balamurugan
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	9659173000
• Mobile no	9965520311
• Registered e-mail	principal@mountzion.ac.in
• Alternate e-mail	iqac@mountzion.ac.in
• Address	Mount Zion College of Engineering and Technology, Lena vilakku, Pilivalam P.O, Pudukkottai
• City/Town	Pudukkottai
• State/UT	Tamil Nadu
• Pin Code	622507
<b>2.Institutional status</b>	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	<b>Self-financing</b>				
• Name of the Affiliating University	<b>Anna University, Chennai</b>				
• Name of the IQAC Coordinator	<b>Prof. A. Taksala Devapriya</b>				
• Phone No.	<b>9659173000</b>				
• Alternate phone No.	<b>8056544077</b>				
• Mobile	<b>7373354444</b>				
• IQAC e-mail address	<b>iqac@mountzion.ac.in</b>				
• Alternate Email address	<b>principal@mountzi on.ac.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://www.mzcet.in/aqar.php">https://www.mzcet.in/aqar.php</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.mzcet.in/naac/iqac/academiccal.html">https://www.mzcet.in/naac/iqac/academiccal.html</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B</b>	<b>2.45</b>	<b>2014</b>	<b>10/12/2014</b>	<b>09/12/2019</b>
<b>Cycle 2</b>	<b>B++</b>	<b>2.83</b>	<b>2020</b>	<b>14/02/2020</b>	<b>13/02/2025</b>
<b>Cycle 2</b>	<b>A+</b>	<b>3.35</b>	<b>2023</b>	<b>20/02/2023</b>	<b>19/02/2028</b>
<b>6.Date of Establishment of IQAC</b>			<b>28/05/2008</b>		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institutional	Unnat Bharat Abhiyan	Unnat Bharat Abhiyan	2021, 1 year	1,00,000
Faculty	Project Scheme	TNSCST	2021, 9 week	2,25,000
Faculty	MODROBS	AICTE	2021, 2 year	12,87,500
<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>			<b>Yes</b>	
<ul style="list-style-type: none"> <li>• Upload latest notification of formation of IQAC</li> </ul>			<a href="#">View File</a>	
<b>9.No. of IQAC meetings held during the year</b>			<b>03</b>	
<ul style="list-style-type: none"> <li>• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>			<b>Yes</b>	
<ul style="list-style-type: none"> <li>• If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>			No File Uploaded	
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>			<b>Yes</b>	
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>			<b>30,000</b>	
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>				
<ul style="list-style-type: none"> <li>• Organised NAAC sponsored Two days National Level Workshop</li> </ul>				
<ul style="list-style-type: none"> <li>• Students were engaged through Online webinar series during the lockdown</li> </ul>				
<ul style="list-style-type: none"> <li>• MZCET selected as MENTOR IIC INSTITUTION for the MENTOR MENTEE PROGRAM 2021-22 for the execution of IIC 4.0 by Ministry of Education &amp; AICTE, Govt. of India</li> </ul>				
<ul style="list-style-type: none"> <li>• 4 teams won in Smart India Hackathon (SIH), National Level Competition organised by Ministry of Education's Innovation Cell &amp;</li> </ul>				

**AICTE**

- MODROB-ASP fund of Rs.9,87,500/- granted for Certain investigations on modern optical communication networks for 5G/6G technologies by AICTE, New Delhi, for the academic year 2021-22

**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
Submitting the AQAR for 2020-21	AQAR Submitted to NAAC within the stipulated timeline
Preparation for the Reaccreditation	Institution geared up for the reaccreditation process. Submitted the SSR on 28.07.2022
Regular IQAC Meetings	Conducted 3 meetings in 2021-22 to plan & implement various academic & administrative activities
Participation in NIRF and ATAL Rankings	Certificate of Recognition from ATAL Ranking in Performer Band
Program & Course Outcome Attainment & Result Analysis	Attainment of PO, PSO & CO are analysed using direct and indirect methods. The direct method includes formative assessment and indirect method includes course exit survey. PO and CO attainment are evaluated by Accredited 360 software & Gap Analysis Done
Conduct various Audits like Academic & Administrative Audit, Infrastructure and Energy Environment and Green Audit	The Academic Calendar for the session 2021-22 was made more comprehensive and was successfully executed.

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

Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	07/06/2021

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

Year	Date of Submission
2022	02/02/2023

**15. Multidisciplinary / interdisciplinary**

- Mount Zion College of Engineering and Technology offers 5 Undergraduate and 4 Postgraduate programmes affiliated to Anna University, Chennai. The programmes offered by different departments emphasize the multidisciplinary status of the institution.
- All the courses in the programmes follow Choice Based Credit System (CBCS) pattern with specific credits. The courses are categorized as professional core, professional electives, engineering sciences, basic sciences, humanities and social sciences and employability enhancement courses. In addition, value-added courses, certificate courses, add-on courses, workshop, seminar, 24-hours workshop are organized to enable interdisciplinary approach and to meet out the present industrial demands.
- As per the Anna university regulations, mini-projects, Projects, Field visits, Inplant training and Internships are incorporated for experiential learning.
- A course in environmental science and engineering is included in the curriculum to sharpen the environmental issues and impart eco-consciousness. Professional ethics, principles of management and total quality management are also incorporated into the curriculum to enhance essential human life values and ensure the holistic development of the students.
- Being an affiliated institution, the institution follows the norms given by Anna University for entry-level qualifications required and the duration of the programme. Also, the institution is limited for enabling multiple entry and exits, as the norms are decided by Anna University.
- Institute encourages the UG/PG students to carry out their projects in multidisciplinary areas, to provide the appropriate solutions for the present issues and challenges.
- All the programmes have an open elective course in which the students of a particular programme are exposed to multidisciplinary education by choosing a course in a

different streams.

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

- Being an affiliated institution, the institution will not be able to implement the Academic Bank of Credits (ABC) system. However, the institution follows the procedures framed by the affiliating University.
- For seamless collaboration and internationalization of education, the institution takes special efforts for the students through Memorandum of Understanding (MoU) with the industries and academic institutions worldwide. Presently, institution has 25 functional MoUs with different industries and academic institutions and several collaborative activities are in progress. Besides, for joint degrees between Indian and foreign institutions and credit transfer, the institution will not be able to implement the same since it is an affiliated institution.
- Faculty members are encouraged to offer valuable suggestions in curriculum design and development to the affiliating University in different ways.
- The faculty members are always motivated to try new strategies to implement pedagogical approaches using smart boards. They shared additional materials to the students through Google classroom. Regarding internal and external assessments, the assessment criteria prescribed by the affiliating University have been strictly adhered to.

#### **17.Skill development:**

- For students, soft skill-based programmes are included in their curriculum. However, soft skill enhancement is done by conducting special training programmes from the first year onwards.
- Besides teaching the curriculum, the institution takes various initiatives to offer value-based education.
- To promote life values, institution conducted many life skill programmes, such as, Republic Day, Independence Day, Engineers day, Women's day, Voter's Day, Environment Day, Pongal day, Christmas day and many other important days/events of national importance which are celebrated to promote national integration. Different competitions are organized during the events mentioned above to motivate the students and inculcate positivity in their young minds.
- Value education-related courses, namely, professional ethics, environmental science and engineering, principles of management, and total quality management, are included in the

curriculum, which supports promoting humanistic, ethical, and universal values.

- The institution has various functional clubs (NCC, NSS, YRC, RRC and Rotaract club), societies (IEEE, CSI, IETE, ISTE, IE(I)) and cells (Green campus cell, energy audit cell and so on). Students are encouraged to attend the programmes, which are organized by clubs, societies and cells. Life skill programmes like Yoga, Meditation, Women's Safety, Health and Hygiene, awareness, fire safety, tree plantation, etc., are organized.

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

As per the Anna University Syllabus provided in Regulation 21, Students are studying Heritage of Tamils and Tamils and Technology courses. Being an engineering institution, the institution adopts the medium of instruction is English. However, the institution observed the difficulties faced by students with the use of English for classroom instruction. Taking into consideration the students' socio-economic, cultural, and linguistic backgrounds, the faculty members are advised to go with the bilingual method of teaching. T

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

- Institution incorporates outcome-based education effectively, as it helps the students to understand the concept clearly and attain the expected outcome of the course.
- Faculty members are encouraged to implement at least 8-10 OBE activities for each course. The OBE activities conducted in the classrooms are, think pair share, seminar, brainstorming session, online lecture, group discussion, quiz, presentation, demonstration, simulation, assignments, animated videos, and so on. In addition, content beyond the syllabus is taught to the students.
- Skill-based courses, technical seminars, laboratory, mini-projects, assignments and project works are a part of our curriculum, which makes our education outcome-based.
- The institution has recently incorporated the teaching-learning process as learner-centric, and the institution has witnessed a shift from traditional teaching methods.

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

- Being an affiliated institution, the institution offers only regular programmes. Institution is not offering any programmes through online mode or in distance mode.
- In recent years, digitalization in education has been

implemented with advancements in science and technology. Our institution has already incorporated a 100% smart classroom with ICT facilities for the teaching-learning process, and it is continuously augmented based on the requirements.

- The institution is found comfortable in teaching-learning through online tools for faculty members and students. In addition, a media centre facility is also available in the institution for recording the lecture contents.

## Extended Profile

### 1.Programme

1.1	262
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 2.Student

2.1	1112
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2	197
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.3	315
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>



<b>3.Academic</b>	
3.1	92
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	90
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	46
Total number of Classrooms and Seminar halls	
4.2	385.41
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	430
Total number of computers on campus for academic purposes	
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curricular Planning and Implementation</b>	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
<ul style="list-style-type: none"> <li>• Mount Zion College of Engineering and Technology is a self-financing institution approved by AICTE and affiliated with Anna University, Chennai. The Academic Council, chaired by the Principal, sets the Academic Calendar, and departments frame their academic calendars for the year, strictly following the prescribed curriculum and syllabi for outcome-based learning. A schedule of department activities includes internal assessments, guest lectures, workshops, and training.</li> <li>• Timetables are prepared with slots for tutorial classes,</li> </ul>	

student seminars, internet/library access, and regular theory and lab courses. Faculty members prepare comprehensive course files with CO-PO mapping, lesson plans, question banks, and beyond-syllabus content for student-centric OBE activities.

- The institution emphasizes practical courses by organizing Value Added and Certificate Courses with inputs from academia and industry experts. Student academic performance is measured through internal assessments, identifying slow learners for remedial classes.
- Regular Class Committee meetings gather student feedback, fine-tuning the teaching-learning process. The Principal, Deans, and HoDs effectively monitor all academic activities through an integrated ERP system.
- The college provides modern infrastructural facilities like smart classrooms, a Language Laboratory, eJournals, and a digital library. Expert guest lectures and industrial visits enrich students' knowledge, while feedback from stakeholders drives curriculum development and continuous improvement.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

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

- The academic schedule is published by the affiliating University (Anna University, Chennai) at the beginning of every semester.
- The institution strictly follows the timeline given by the affiliating University.
- The institution's academic calendar is in line with the schedule of the affiliating University, which includes the plans for technical events, internal assessment tests, a list of holidays, curricular, co-curricular and extra-curricular activities based on the available working days as per university norms.
- The institute's academic calendar consists of the dates of the last working day, Commencement of Anna University theory and practical examinations for the semester for all students.
- The academic calendar is displayed on the Notice board, the institute website, and all department notice boards.
- It enables the faculty and students to plan their teaching-

learning and regular assessments. Following the university academic schedule, every department formulates an internal department calendar to ensure timely delivery of the syllabus, including the department activities and internal assessment tests.

- Lesson plans are then prepared based on the academic calendar. HoDs monitor the implementation of a lesson plan, and corrective actions are suggested wherever required.
- The schedule of the three CIE is included in the institute's academic calendar.
- Exam cell announces the dates for submission of question papers and entry marks for internal assessment tests.
- Any unforced changes in the academic schedule due to bad weather or similar conditions are taken care of appropriately.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

**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**

C. Any 2 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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**

9

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**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)**

9

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

378

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

**1.3 - Curriculum Enrichment**

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

To ensure holistic development and to inculcate the moral and ethical values among students, they are encouraged to take part in

debates and competitions related to the cross cutting issues. The institution takes efforts through green campus initiative cell and energy audit cell to enhance the environment and sustainability awareness among students. The institution takes additional efforts through NCC, NSS, RRC, YRC and Rotaract club to create social awareness among students. Students Chapters of several professional organizations such as CSI, IETE, ISTE, IE(I), and IEEE have been established to enhance the technical knowledge.

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.	<a href="#">View File</a>

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

53

File Description	Documents
Any additional information	<a href="#">View File</a>
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	<a href="#">View File</a>

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

581

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

#### 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	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	<a href="#">View File</a>

**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	<a href="#">View File</a>
URL for feedback report	Nil

#### 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

253

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**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**

**249**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## **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's policy focuses on enhancing students' learning abilities. Efforts are consistently made to assess and nurture students according to their competencies.

Student assessment begins at admission, during the induction program, and through bridge courses in the first year. Each semester, students' progress is evaluated through internal assessments, leading to tailored programs for diverse learning needs.

### **Strategies for Advanced Learners:**

- Encouraging involvement in professional bodies, technical events, and industrial visits.
- Organizing departmental seminars, conferences, and tech expos.
- Preparing students for industrial challenges through hackathons and project competitions.
- Participation in workshops to enhance domain knowledge.
- Offering value-added courses and promoting NPTEL, GATE, and competitions. Soft skills training and merit scholarships for toppers.

**Strategies for Slow Learners:**

- Implementing Structured Induction Programs (SIP) with bridge courses.
- Providing tutorials, mentoring, and special advice.
- Monitoring progress through meetings and calls.
- Offering remedial classes and innovative teaching approaches.
- Recognizing most improved students through awards.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
1112	92

File Description	Documents
Any additional information	<a href="#">View File</a>

**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

We prioritize holistic student development in engineering and technology. Employing student-centric methods, we enhance learning experiences using experiential, participative, and problem-solving approaches. Course objectives and outcomes are clearly defined and communicated to students. ICT-enabled facilities amplify learning, blending regular theory and lab sessions, library and internet access, soft skills training, and journal availability. Communication skills training refines listening, speaking, reading, and writing abilities.

**Experiential Learning:**

- Assign projects to explore learned concepts.
- Real-time projects provide practical exposure.
- Regular mini-projects enhance experiences.
- Industry visits and in-plant training develop real-world



insights.

- National/International competitions foster real-time skills.
- Guest lectures and non-syllabus lab experiments enrich learning.

**Participative Learning:**

- Engage students in seminars, conferences, and workshops.
- Outcome-based activities, like role-play and discussions, enhance classroom engagement.
- Event organization cultivates leadership skills.
- Share mini-project outcomes for collective learning.

**Problem-Solving Methods:**

- Workshops deepen real-world problem-solving.
- Assignments, homework, and tutorials challenge understanding.
- Aptitude training sharpens problem-solving skills.
- Real-world projects and case studies foster analytical thinking.
- Special workshops empower students to address real-time issues.
- Students participate in practical activities and consultancy services.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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

- Being a technical institution, we have all the essential ICT facilities to enable effective teaching-learning.
- Our faculty members are well-versed in using and handling ICT facilities for their classes and day-to-day official works.
- The institution has 40 spacious, smart classrooms with LCD projectors, interactive smartboard, and AV and Wi-Fi facilities.
- All our faculty members teach in smart class with PowerPoint presentations (PPT) and videos regularly.
- Faculty members develop course content such as presentations, animation, online quizzes, and online course feedback forms.

- Faculty members post their presentations and study material in the respective google classrooms.
- Faculty members are familiar with online assignment submission and evaluation facilities.
- Online lectures by faculty in the institution are recorded and uploaded in google classrooms.
- Besides that, faculty are familiar with using eLearning resources, NPTEL Courses, edx courses, Virtual Labs, video lectures, Google Meet classroom, Smart Classrooms, E-books and E-Journals for their teaching.
- Faculty use the integrated ERP software of our institution to enter attendance, lesson plans, marks, and laboratory schedules.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

**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**

74

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

**2.4 - Teacher Profile and Quality**

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

92

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	No File Uploaded

#### 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

17

File Description	Documents
Any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

#### 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

397

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 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.

- Being an affiliated Institution, we strictly follow the norms mandated by the University.

- The academic calendar includes all the internal assessment schedules and question paper patterns.
- Students' assessment marks are displayed on the notice board. The evaluation procedure for both theory and laboratory exams is kept transparent.
- The faculty distributes answer scripts of the internal tests to students and internal laboratory examinations with comments. Discrepancies reported by any student are verified, and necessary action is taken before the marks statement is finalised.
- Students who have been absent for the internal test are followed closely, and retests are conducted.
- Students' internal test marks are entered after the internal examination, and students can view their marks on their portal.
- The system of examination and procedure for awarding marks are based on the regulations of Anna University, Chennai.
- Test marks are sent to the parents periodically.
- Project work evaluation is done by conducting reviews by the Project Coordinator based on the guidelines given by the University

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

- The institution transparently addresses all the University exam-related grievances from time to time.
- The concerned subject handler observes discrepancies in Anna University question papers, which is notified to University then and there.
- Malpractice procedures in examinations are strictly followed and reported to the University.
- Student revaluation applications and deadlines are informed to students; withheld results for a particular student are dealt with duly at the right time. Student name correction, date of birth correction and certificate photo correction applications are forwarded to the University on time.
- The students with health issues are allotted separate halls, and the institution provides all the necessary facilities and support.

- Internal examination grievances are discussed in a class committee meeting and are addressed then and there.

File Description	Documents
Any additional information	<a href="#">View File</a>
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.

Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) Course Outcomes (COs) are formulated and displayed on the departments and institution websites and communicated to the faculty and students. For each programme offered in the department, PEOs and POs have been formulated. Course Outcomes (Cos) are formulated as per the guidelines of Anna University in the curriculum under various regulations for each course offered in a particular programme. The formulated course outcomes are mapped with Programme Outcomes (POs), and the Head of the Department reviews the same. The mappings of all these parameters are done to measure the attainment. Based on the attainment, curricular gaps are identified, and Value Added Courses, Content beyond the syllabus, workshops, seminars, and hands-on training are planned and organised to meet defined course outcomes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

Our institution follows Outcome Based Education (OBE) to assess student performance via outcomes. These encompass Course Outcomes, Programme Outcomes, and Programme Specific Outcomes, gauging knowledge, skills, and behavior for ongoing quality enhancement. We begin by formulating and endorsing Course Outcomes with department heads' approval. Correlation matrices linking COs to POs and PSOs are set for all courses within the program, with specific attainment

levels designated. Attainment calculation relies on both direct and indirect assessments. Directly, internal test marks and assignments (60% and 40% respectively) contribute to 80% (CIE) weighting. CO benchmarking is 70%, factoring in CIE and university results.

Additionally, CO attainment is defined by students scoring ?50% of individual COs' maximum marks. Indirect assessment gathers data from end-of-course surveys, with students assigning high, medium, or low impact values. Calculated averages weigh 30%. Our teaching strategies align with learning goals through academic and lesson plans, adopting appropriate methods, and adjusting as needed. Student feedback aids improvements, while departments assess semester-end achievements. Anna University's curricula are evaluated through placement records, reflecting course outcomes. Exit surveys also assess CO attainment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil

### 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

257

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
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://www.mzcet.in/naac/agar22/2.7.1\\_1.pdf](https://www.mzcet.in/naac/agar22/2.7.1_1.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)**

14.1

File Description	Documents
Any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

**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**

4

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**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**

3

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File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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

Our institution has undertaken numerous initiatives to cultivate an innovation ecosystem. We've established the Innovation and Incubation Centre, Institution's Innovation Council, Entrepreneurship Development Cell, and Research & Development Cell to foster and disseminate knowledge. Some of these initiatives include:

**Innovation and Incubation Centre:** Recently inaugurated, this center nurtures innovation among faculty and students. It houses specialized facilities such as the IoT Laboratory, Robotics Laboratory, Additive Manufacturing Laboratory, and a Co-incubator under Periyar TBI.

**Institution's Innovation Council:** Initiated in the academic year 2018-19, our IIC has been diligently encouraging innovation culture among students. It is an MoE, Government of India, endeavor. Our IIC conducts activities like Hackathons, Idea Competitions, Workshops, and Interactions with successful entrepreneurs. It achieved band as a "PERFORMER" institution in ATAL Ranking of Institutions on Innovation Achievements (ARIIA) 2021. Additionally, we've been selected as a Mentor Institution for the Mentor-Mentee Program 2021-22 by the Ministry of Education & AICTE, Govt. of India..

**Entrepreneurship Development Cell (EDC):** Since 2012, EDC has fostered entrepreneurial spirit among engineering students through competitions and skill-enhancement platforms. It promotes entrepreneurial ventures within the campus and connects students with successful entrepreneurs.

**Research and Development Cell:** Encouraging faculty and students to



publish in national/international forums and apply for funding, R&D Cell enhances research activities. Recognized as research centers by Anna University, the Electronics and Communication Engineering and Computer Science and Engineering departments organize weekly research talks.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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

16

File Description	Documents
Report of the event	No File Uploaded
Any additional information	<a href="#">View File</a>
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 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

4

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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**

10

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

**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**

60

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**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

Our institution actively engages students in community services to cultivate awareness of social issues, fostering holistic development. Extension activities, including blood donation camps, tree planting, environmental awareness initiatives, medical and health awareness camps, and rural computer education, are organized.

Students are encouraged to partake in community service through various clubs: National Cadets Corps (NCC), National Service Scheme (NSS), Youth Red Cross (YRC), Red Ribbon Club (RRC), and Rotaract Club (RC).

NSS conducts annual awareness campaigns, blood donation, AIDS, dengue, and road safety programs, while YRC focuses on dengue prevention, rainwater harvesting, anti-plastic drives, cancer and

HIV/AIDS awareness, alongside blood donation efforts.

RRC, aligned with Tamil Nadu State AIDS Control Society, fosters service values, promoting blood donation and health awareness. Rotaract Club conducts blood drives, water body cleanups, women's health rallies, and more.

Unnat Bharat Abhiyan (UBA) extends services to nearby communities through health camps, rainwater harvesting awareness, tobacco and liquor harm awareness, and water purification awareness in adopted villages: Lembalakudi, Pilivalam, Arasampatti, Ilanjavur, and Melur.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 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

4

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded

### 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

7

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

### 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

339

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 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

266

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

#### 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**

20

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

**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 30-acre campus features 29,479 sq.m. of built-up area. Equipped as per statutory norms, it includes classrooms, labs, tutorial and seminar halls, a library, and staff rooms. Teaching is enhanced by LCD projectors, smartboards, and AV facilities in classrooms, with ten separate tutorial rooms. Departments boast modern labs with regular upgrades. The campus enjoys 24-hour, 100 Mbps internet access via 40 Wi-Fi points, maintaining a 3:1 student-computer ratio. A well-equipped Data Centre houses servers, routers, and network video recorders. With 430 computers, 27 printers, and more, e-learning is facilitated. Facilities encompass workshops, a language lab, and e-Yantra, fostering problem-solving skills. Auditoriums seat 2000 and 300; seminar halls support events. A reprographics centre, stationery store, and more serve daily needs. Libraries offer extensive collections and e-resources. CCTV coverage ensures safety. Gym, courts, hostels, staff quarters, ramps, and specially designed toilets promote inclusivity. Solar and backup power ensure sustainability.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

The institution prioritizes holistic student development through co-curricular and extra-curricular engagement. Both indoor and outdoor sports play a pivotal role in nurturing students. Cultural events take place in our auditorium and open-air venue.

**Sports:** We value well-rounded growth, thus promoting sports and culture participation. Our expansive 21043.70 sq.m campus hosts two large playgrounds for cricket, badminton, football, hockey, volleyball, kabaddi, handball, kho-kho, and throwball. With facilities including a 400 m track, jump areas, courts for multiple sports, and more, students receive ample training. Our gym and yoga center contribute to fitness.

**Cultural Activities:** Our seminar halls and auditoriums facilitate cultural and extracurricular events. Various clubs encourage students to showcase their talents and interests. Participation fosters communication, leadership, and teamwork. Students actively engage in inter-college, inter-university, and state/national-level competitions.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

46

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

**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)**

385.42

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

**4.2 - Library as a Learning Resource****4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

The library is automated by integrated library management software (ILMS) established in 2014. The users can search the collection of books by title, author, publisher etc., and know the circulation status and contact details. All the issue, return, entry to library are done through the ILMS system established in the library. The ILMS's OPAC (Online public access catalogue) service is made available to all staff and students to save time in locating the books required. Any requirement of additional books for faculty members and students can give the request for books through ILMS. It is specially designed to guide the students to refer to the books and the location of books on the rack. Provision is made in ILMS system to access some of the e-content online from remote location. Our central library is located on the first floor of the academic building with an area of 608.17sq.m. 193 students can be seated for reading and reference purposes at a time. The library has a collection of 36,863 titles of text and reference books. The institution has an excellent digital library, and it has subscribed to many online journals like Springer, DELNET etc., Our institution library has 15 computer systems. All computers are provided for the digital section, which is connected to the high-speed 100 Mbps internet connection to access various online ejournals, eBooks, thesis, NPTEL database. The library comprises of issue/return counter, a reading room, a multimedia section, a reference section, a magazine and a newspaper section.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**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)**

**2.12**

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

**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**

**306**



File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

**4.3 - IT Infrastructure**

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

The institution boasts ample ICT facilities, inclusive of well-connected internet and Wi-Fi services throughout the campus. Annual upgrades to the latest IT infrastructure and resources are routine, complemented by regular installation of necessary software and antivirus packages. Our systems remain current in response to evolving technological requirements. IT enhancement remains a core institutional priority, with timely procurement of equipment and adoption of new technologies. A college-wide Wi-Fi service empowers students and faculty to access the internet across campus and hostels.

The institution has upgraded to a 100 Mbps leased line from 50 Mbps, exemplifying our commitment to enhancing connectivity. Adequate computers, printers, and scanners are strategically placed across the office, examination section, computer room, and library. Software is extensively available for English language labs, computer labs, and the library. Robust support is provided for online exams and computer-assisted teaching. Our website is consistently updated to feature upcoming events.

Our students access e-resources both on-campus and remotely via the eCampus app, supported by a high-speed optical fiber network. System administrators oversee IT infrastructure, software, hardware, networking, website design, and ERP solutions. The table provides details of IT facilities, update periods, and nature of updates.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**4.3.2 - Number of Computers**

430

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

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

A. ? 50MBPS

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 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)

68.28

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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.

The institution has established systems and procedures for maintaining and utilizing physical, academic, and support facilities, including laboratories, sports complexes, computer labs, classrooms, and more. Effective utilization and maintenance of classrooms, laboratories, and facilities are overseen by department heads, faculty, and appointed personnel. The department ensures laboratory equipment upkeep, while lab technicians perform

preventive maintenance and record equipment use.

Library operations are managed by an automated system, with the librarian responsible for book utilization and purchases. The Physical Director oversees sports facilities and gymnasium maintenance, while the IT infrastructure is managed by the system administrator and support staff.

A maintenance team handles electrical, plumbing, and infrastructure upkeep, including substation maintenance, generators, and more. Gardeners maintain campus greenery, and security staff ensure premises safety.

In summary, the institution maintains efficient systems for facility upkeep, involving dedicated personnel overseeing various aspects of maintenance and utilization.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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**

754

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

**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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year**

221

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefitted by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

**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	<a href="https://www.mzcet.in/capacity_building/">https://www.mzcet.in/capacity_building/</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

861

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

861

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

<p><b>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</b></p>	<p><b>A. All of the above</b></p>
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File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>
Details of student grievances including sexual harassment and ragging cases	<b>No File Uploaded</b>

**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**

**135**

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File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

## 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

3

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

## 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

3

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	<a href="#">View File</a>
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

## 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.**

7

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

**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 )**

We actively engage students in administrative, co-curricular, and extra-curricular activities at our institution. Each year, a student council is formed to enhance overall institutional functioning. Student participation is detailed below:

**Administrative Committee:** Students contribute to the IQAC, providing insights on quality initiatives. **Grievance Redressal Cells:** Student members foster a harmonious atmosphere, resolving issues between students and faculty, and maintaining student-student relationships.

**Women's Grievance Redressal Cell:** Student representatives ensure a safe environment for female employees and students.

**Anti Ragging Committee:** Students uphold discipline, ensuring a ragging-free campus.

**Class Committee:** Student representatives meet thrice a semester, suggesting improvements to the teaching-learning process and other facilities.

**Hostel Mess Committee:** Members monitor food quality and hygiene, providing feedback to the warden.

**Class Representatives:** Nominated by HOD, they facilitate class coordination and communication with faculty.

**Library Committee:** Students voice library-related concerns and needs.

**Daily Class Report Coordinator:** One student updates the department head daily on class progress.

**Co-curricular Coordinator:** Organizes events at institutional and intra-college levels.

**Placement and Training:** Class representatives share placement and training information.

**Department Cell Coordinator:** Students lead student sections of professional bodies.

**Career Guidance Cell:** Guides students in shaping their future careers.

**Energy Audit & Green Campus Cell:** Raises awareness about energy conservation and green initiatives.

**Industry Institute Interaction Cell:** Shares industrial visit, internship, and project information.

**Extra-curricular Events Coordinator:** Shares information about activities and competitions.

**Sports Coordinator:** Organizes and manages sports and cultural events.

**Cultural Club:** Students actively participate in and coordinate cultural activities and competitions.

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

**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**

18

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

**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

The Institution's Alumni Association plays a pivotal role in all aspects of institution development. Established in 2005, the registered alumni association effectively maintains and updates its database. Notably, the association frequently invites accomplished alumni to share their valuable experiences with students, offering guidance for higher education and employment during alumni meetings.

Acting as a bridge between students and industry, the association facilitates interactions for internships, projects, webinars, guest lectures, and seminars, benefiting both students and faculty. Alumni insights on placement preparation, industry expectations, and market trends prove invaluable.

Alumni interaction enriches students' understanding of industry life, opportunities, and challenges, bridging academic teachings with industry dynamics. Their feedback optimizes teaching and learning processes, ensuring relevance beyond syllabus content.

Alumni also bolster sports, cultural activities, and extra-curriculars. The Alumni Badminton Tournament fosters camaraderie, while alumni entrepreneurs inspire students towards entrepreneurship, sharing start-up experiences and recruitment insights.

In 2021-22, 8 interactions were held, facilitating placement drives and field visits. Alumni also serve as faculty, donate resources, and contribute financially, exemplifying their commitment.

To further enhance contributions, the alumni association aims for increased vibrancy and activity, nurturing knowledge and prosperity for institutional betterment.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

**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**

- To be the most preferred choice of all students who aspire to get high quality of education.

**Mission**

- Provide world-class physical and digital infrastructure and learning environment Develop the competencies of students to make them job-ready and entrepreneurs Facilitate mental, physical, emotional and spiritual development of students and ensure their holistic development Enrich the environment through the implementation of eco-friendly and sustainable practices Serve the community through skill development and other need-based services. Establish sustainable partnerships with industries and R&D laboratories for mutual benefit

**Quality Policy**

- To be the leading institution in providing engineering education and create a platform for students to enhance their technical skills, provide an opportunity for a career, research and development.

**Nature of Governance**

The governance of Mount Zion College of Engineering follows a well-defined Vision and Mission, developed with stakeholder input. Led by experienced academics and industry experts, the Governing Council shapes academic policies, while the Director, Principal, and Dean oversee administration and development. Transparent reviews by the Academic Council and regular meetings ensure accountability. The Principal's guidance aligns faculty with the institution's vision, aided by collaborative academic calendars and defined roles. Joint efforts of the Management, Governing and Academic Councils drive the institution forward.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

The Management, Principal, Deans, HoDs, faculty members, teaching, non-teaching staff and students are actively contributing at their levels to the overall development of the institution. We practice decentralised and participative management in all the institution's activities. The entire administration of the institution is decentralised for the effective implementation of the vision and mission of the management. The roles and responsibilities are fixed for the principal, deans, heads and other coordinators to work effectively and independently. Our faculty members represent the governing council so that they can participate in major policy decision makings of the institution. Faculty members of various academic and administrative committees of the institution are evidence of decentralised and participative management.

The Principal and Head of the departments have financial powers to carry out their day-to-day office effectively and efficiently. Alumni, students, and parents are also members of various committees and cells to contribute and participate in the overall development

of the institution. Decentralised and participative management helps us to ensure transparency in all our activities.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

### Strategic Plan:

Strengthen the institution's innovation cell activities

### Objectives of the strategic plan

Involve students in various creative and innovative activities in the field of engineering and technology. Organise regular seminars, workshops and interactions with entrepreneurs Organise hackathons, idea hunter competitions, and project challenges in collaboration with institutions and industries.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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 has a well-structured administrative setup with Governing Council as the highest decisionmaking body and 32 other functional bodies and committees. The functioning of each body is effective and efficient due to the laid down policies, service rules, procedures and administrative setup. The administrative setup is provided in the organogram.

**Recruitment Process:** Staff recruitment adheres rigorously to our policy and statutory norms. Departments identify academic year faculty needs, vetted by HoDs, and approved by the principal. Job ads are published, applications scrutinized, and candidates shortlisted by respective department heads. Interview dates are scheduled by HR in consultation with the principal and selection committees follow statutory norms. Interviews are conducted, and selected candidates are notified.

**Service Rules:** Our institutional handbook, including Service Rules, Procedures, Recruitment, and Promotion Policies, is shared with all staff and available on our website: [www.mzcet.in](http://www.mzcet.in).

**Committees:** We have various committees ensuring smooth operations:

- Governing Council
- Academic Council
- IQAC
- Grievance Redressal Cell
- Internal Complaint & Committee
- Anti-Ragging Committee
- Women Development Cell
- Entrepreneur Development Cell
- SC/ST Committee.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	<a href="https://www.mzcet.in/aboutus/">https://www.mzcet.in/aboutus/</a>
Upload any additional information	<a href="#">View File</a>

<b>6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination</b>	A. All of the above
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File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

The institution has the following welfare measures,

- Group health and accidental insurance.
- Based on experience and performance, tuition fee concession will be provided for the children all studying in our group of Institutions.
- Employee Provident Fund for teaching and non-teaching staff.
- 100% Registration fee, travelling allowance for attending staff development programmes, seminars, conferences and workshops.
- Medical leave with salary for the staff members met any accidents.
- Personal loan, festival advance, and salary is available for teaching and non-teaching employees.
- The staff recreation club is established to support staff members in urgent need.
- A closed User Group mobile phone facility is provided to teaching and non-teaching staff. Awards and rewards for meritorious contributions.
- Ten days per year on duty for participation in faculty development programmes and research activities.
- Twenty days on duty per year for anna university examination duties.
- Twelve days of casual leave and four days earned leave.
- 90 days of maternity leave. 20 days of summer vacation and 10 days of winter vacation leave.
- Staff quarters, canteen, Bank, ATM and post office facility on the campus.
- Free uniform for certain grade employees (only for drivers, security and sweepers).

- **Postal insurance facility.**
- **Subsidised/free transport facility.**

File Description	Documents
Paste link for additional information	<b>Nil</b>
Upload any additional information	<a href="#">View File</a>

### **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**

**18**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### **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**

**10**

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	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 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

21

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	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

A well-defined performance appraisal system for teaching and non-teaching staff is established in the institution. The appraisal system consists of a self-appraisal by the staff members followed by an interaction with the appraisal committee. The head of the department can give their observation and recommendation about the performance of staff members of their department. It is scheduled at



the end of every academic year. The self-appraisal form includes the details of the staff's academic, research and notable achievements, individual faculty's contribution to institutional performance and their administrative responsibilities. Implementation of innovative methodologies in classroom teaching, seminars, tutorials, course delivery, question paper setting and evaluation, research publication, and research or seminar funding from the government are assessed. Student feedback is also a factor considered in the performance evaluation of the faculty members. The assessment is done based on the self-appraisal evaluation form. Suggestions and feedback will be given to improve their contribution in the subsequent year. An increment and constructive feedback about their performance are given to staff members. The performance of the non-teaching staff is appraised yearly, and annual increments are given based on the appraisal. Based on performance appraisal, the faculty members are awarded for their excellence in teaching during the Annual day celebration. And also, competent faculty members are given higher responsibilities as coordinators of cells and administrative in-charges at the institution level. Appreciation for their service in the institution is shown by giving experience awards to all the staff members.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**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's financial resources are managed effectively, and the accounts are maintained in the computer system. A complete budget is prepared every year well in advance. To assess the fund flow, we conduct regular internal and external audits. The principal submits the budget proposal to the management for approval. It includes the recommendations made by the heads of all the departments. The budget includes recurring expenses such as salary, electricity bills, internet charges, maintenance charges, stationery, other consumable expenses, fuel to vehicles and generators and non-recurring expenses such as laboratory equipment purchases, furniture and other development expenses.

**Internal Audit:**

The accounts department monitors the expenses as per the budget the management allocated. The internal audit is conducted regularly to assess the income and expenditure. The accounts team verifies all payments, receipts, journal vouchers of the transactions, cash books, and ledger accounts that are carried out regularly. The chief accountant reviews daily receipts and payments. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers.

**External Audit:**

The external auditor appointed by the institution performs an audit of the college's financial transactions at the end of each financial year. Any discrepancy in the process of audit would be viewed immediately along with the supporting documents within the prescribed time limits. Finally, they certified the income & expenditures balance sheet and prepared notes to accounts.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**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)**

30,000

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

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

## Mobilisation of Funds

Following are the sources through which funds are mobilised for the institution

- Student Tuition fee is the primary source of income for the institution.
- The management provides need-based loans to individual colleges.
- Funds for conducting seminars and workshops from funding agencies.
- Alumni contribution Sponsorships for symposiums, sports and cultural events Consultancy services The deficit, if any, is supported by the trust

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 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

The IQAC focuses on enhancing academic performance and continuous improvement in the teaching-learning process. A centralized team includes faculty and students from all departments, working on academic enhancement initiatives. Notably, two initiatives are highlighted:

1. **Online Monitoring of Teaching Learning Process:** Continuous observation and necessary actions are based on daily student feedback. Faculty members are encouraged to utilize ICT-enabled smart classes and multimedia-based teaching aids. They frame course objectives and outcomes using eCampus software. HoDs oversee syllabus completion via eCampus and daily feedback, ensuring quality teaching.
2. **Identifying Curricular Gaps:** Feedback from stakeholders - students, faculty, employers, parents, and alumni - is collected and analyzed. Curriculum suggestions are incorporated from departments and governing bodies. Alumni feedback further informs curricular enhancements.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

**IQAC was constituted in 2008 with the objective of quality improvement and development of the Institution. The committee consists of the Principal as chairperson and senior faculty members along with representatives from employer, management and alumni as its members. IQAC has implemented a structured feedback mechanism for analyzing the effectiveness of the teaching learning process through a class committee meeting, end-semester feedback and informal feedback from the students. IQAC conducts an internal academic audit in a semester and takes appropriate remedial actions to improve the quality of teaching. During the audit of course files, the University syllabus and lesson plan (CO-PO Mappings, CO attainments, and lecture notes) of the corresponding subjects are verified. The HoDs check the delivery of course material as per the lesson plan, teaching aids used, communication skills and classroom management etc.,. periodically. For internal exams, HoDs check the quality of the question papers, and the verification committee verifies the corrected answer scripts and provides suggestions to improve the valuation pattern for the needy person. For the lab courses, the verification committee checks the method of conduction of the experiments.**

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**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**

**A. All of the above**

**with other institution(s) Participation in NIRF  
any other quality audit recognized by state,  
national or international agencies (ISO  
Certification, NBA)**

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## 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

Our institution is committed to promoting gender equity through various initiatives. We provide equal opportunities to all, regardless of gender, race, caste, color, creed, language, or religion. With a culture of equality, safety, and well-being, our top priority is creating a friendly working atmosphere. These values are ingrained in our curricular and co-curricular activities.

Promotional activities include:

Safety and Security:

- 160 CCTV cameras cover the entire campus for surveillance.
- Security personnel are stationed across campus points.
- Suggestion boxes collect abuse or harassment concerns.
- Committees address safety, security, and social issues.

Counselling and Mentoring:

- Student mentor system addresses gender equity and mental well-being.
- Faculty mentors and qualified counselors provide guidance.

Facilities:

- Girls' common room, entertainment, reading, and fitness halls in the ladies' hostel.
- Separate canteen section for girls.
- Day Care Centre for staff's young children.

**Events:**

- Celebrating International Women's Day with lectures and activities promoting empowerment and equality.
- Regular legal awareness sessions on women's rights and gender equity.

File Description	Documents
Annual gender sensitization action plan	<a href="https://mzcet.in/naac/aqar22/7.1.1_MZ.pdf">https://mzcet.in/naac/aqar22/7.1.1_MZ.pdf</a>
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	<a href="https://mzcet.in/naac/aqar22/7.1.1_MZ.pdf">https://mzcet.in/naac/aqar22/7.1.1_MZ.pdf</a>

**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**

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

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**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**

**Our institution has taken multiple initiatives to manage degradable and non-degradable waste, including solid waste, liquid waste, e-waste, and more. Metal and solid waste are collected from around the campus in designated bins and categorized appropriately. Degradable waste is used for fertilizing plants, while non-degradable recyclables are handled by professional contractors. Our campus**

emphasizes online communication to reduce paper usage and has banned plastic cups, plates, and cutlery.

Regarding liquid waste, a significant amount is generated daily from hostels, laboratories, and various departments. Much of this is repurposed for gardening and other uses. The hostel and canteen waste undergoes careful management through an underground drainage system. A small on-campus wastewater treatment plant contributes to our sustainable practices.

For e-waste, non-functional electronics are systematically discarded or sold back to wholesalers. Valuable parts are saved for student projects. Our waste recycling system involves biogas recovery from degradable waste. Awareness campaigns in the canteen and hostel raise consciousness about food consumption and waste reduction. The use of single-use plastics has been significantly reduced.

Lastly, hazardous chemicals and radioactive waste are not present on our campus. The institution remains committed to maintaining an environmentally conscious and responsible approach to waste management.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="#">View File</a>

<b>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</b>	<b>A. Any 4 or all of the above</b>
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File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

<b>7.1.5 - Green campus initiatives include</b>	
<b>7.1.5.1 - The institutional initiatives for</b>	<b>A. Any 4 or All of the above</b>

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

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	No File Uploaded
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**

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	No File Uploaded
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**

A. Any 4 or all of the above



**(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**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
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).

This institution ensures equal opportunities for students regardless of gender, fostering a harmonious environment among staff, students, and stakeholders. Celebrations include cultural and festival events, sports, and rallies to promote unity. We offer extensive sports facilities and a code of ethics that transcends diversities. Communication and soft skills classes benefit students from varied backgrounds. Regional language skills are honed through events like essay writing and debates. Annual blood donation camps, safety awareness drives, and tree planting initiatives serve the community. Our facilities aid in hosting TNPSC and TRB exams, and we collaborate with the education departments in Pudukkottai and Sivaganga Districts. This comprehensive approach enriches students' experiences, nurturing holistic growth.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
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

The institution consistently raises awareness among students and employees about their constitutional obligations through various activities. Courses like Professional Ethics in Engineering, Environmental Engineering, and Principles of Management impart knowledge about values and individual rights. In collaboration with the Rotary Club of Pudukkottai Central, our Rotaract Club conducts programs such as voter awareness, tree planting, and blood donation. During local elections, our staff and students actively participated and promoted voting through social media. Amid the pandemic, we joined the Jan Andolan for COVID-19 Appropriate Behavior, conducting awareness programs and a vaccination camp on campus. A daily pledge against tobacco use resulted in a tobacco-free environment, achieved with student and staff support. AICTE's Universal Human Values FDP was attended by faculty, and seminars on communal harmony, health, disaster management, ethics, and environment conservation were organized for holistic student development. Our goal is to nurture responsible citizens through harmonized education.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	<a href="https://mzcet.in/naac/aqar22/7.1.9_MZ.pdf">https://mzcet.in/naac/aqar22/7.1.9_MZ.pdf</a>

**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**

**A. All of the above**

File Description	Documents
Code of ethics policy document	No File Uploaded
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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The college fosters tolerance, communal harmony, and inclusivity among students and staff through various national and international events. Independence Day and Republic Day feature a flag hoisting and speeches on their significance. Engineer's Day, observed on September 15, commemorates engineer Mokshagundam Visvesvaraya's achievements, inspiring innovation through technical events.

Vigilance Week, from October 31 to November 4, educates on combating corruption. World Environment Day includes seminars on environmental importance, tree planting, and energy conservation efforts. National Voters' Day establishes the Voter Awareness Forum, while Martyrs' Day (January 30) involves a silent tribute.

Teachers Day, observed on September 5, lets students express gratitude to teachers with sweets and gifts. Christmas and Ramadan are celebrated by staff and students, with special provisions for prayers. The Pongal festival hosts faculty and student competitions like photography, debates, essays, and rangoli.

These events foster a sense of unity, awareness, and appreciation for diverse cultures and causes, enriching the college experience.

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	No File Uploaded
Any other relevant information	<a href="#">View File</a>

## 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. Title of the Practice

- Enrichment of teaching-learning with modern teaching aids and methods

### 2. Objectives of the Practice

- To use modern teaching aids such as smart boards, projectors, PowerPoint presentations, videos and animations for regular classroom teaching.
- To effectively blend the regular classroom teaching with the online lectures from NPTEL, MOOCs and other online content from renowned universities worldwide.
- To adopt modern student-centric teaching methods to enhance students' learning experience. To introduce more practical-oriented hands-on workshops to make students learn independently

### 3. The Context

Modern education enhances student learning. Conventional teaching struggles with core concepts. Our Institution employs student-centric methods, incorporating multimedia, aiding engineering learning effectively.

### 4. The Practice

Enriching teaching with modern aids is a best practice. Smart boards, Wi-Fi, and online content enhance learning. Faculty use presentations, quizzes, and videos, improving student understanding

### 5. Evidence of Success

Education for all levels, interactive classes, prepared resources, engaging presentations, accessible study materials.

### 6. Problems Encountered and Resources Required

Initial faculty training on modern aids, adapting to technology challenges, maintaining equipment.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.mzcet.in/naac/bestpractices.pdf">https://www.mzcet.in/naac/bestpractices.pdf</a>
Any other relevant information	<a href="https://mzcet.in/naac/aqar22/7.2.1_MZ.pdf">https://mzcet.in/naac/aqar22/7.2.1_MZ.pdf</a>

### 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

**Title: Felt need and impart advanced technology to Rural students**  
 The Institution strives to empower rural students with knowledge and skills in their chosen fields by providing opportunities to realize their potential by motivating them toward community-linked initiatives, thereby shaping them for the future enhancement of their careers and higher studies. Hence keeping in mind the vision statement of our college decided to be the preferred choice of all those who aspire for excellence by providing rural students with more certificate courses. Hence, the college, during all academic years, proposed various courses on recent trends and technology as listed below.

1. Proteus Virtual System Modelling
2. Circuit Wizard
3. Internet of Things
4. TEKLA Structure
5. Revit
6. STAAD PRO
7. Raspberry PI Programming/Interfacing
8. 3D Printing
9. Solid Works

**Work Plan:**

- The rural students are identified by inquiring and collecting student information in nearby Institutions.

- The identified rural students have informed the opportunity of the technical course we conduct.
- The date and time of the course is planned and disseminated to all the willing students.
- The courses are planned for the weekend, holidays and semester vacation.
- Our eminent faculty are encouraged to organize and prepare the course planning and teaching materials.
- The administration has appointed the course coordinator to facilitate faculty and students.
- The successful students are awarded by course completion certificate.
- The management has allotted the fund for all expenses to engage the student during the course period.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

### 7.3.2 - Plan of action for the next academic year

#### TEACHING AND LEARNING

- To enhance virtual learning through ICT facility
- To improve overall result by 10%
- To increase the number of University rank holders
- To enhance industry based projects
- To use open source LMS and other e-content from online sources
- To add more e-content

#### RESEARCH

- To increase research publications significantly
- To improve consultancy activities
- To get more funded research projects
- To get patent rights
- To involve interdisciplinary projects
- To organize seminar on IPR and ethics
- To organize a international level conference

#### IQAC FUNCTIONING

- To take Post Accreditation Initiatives
- To prepare and submit the AQAR on the NAAC portal

- To encourage IQAC members to attend at least one IQACconference/ seminar
- To conduct regular IQAC meetings
- To apply for ATAL Ranking of Institution on Innovation Achievements (ARIIA)
- To apply for NIRF ranking
- To consider possibility of NBA

**OTHERS**

- To achieve good position in affiliated colleges of AnnaUniversity
- To improve communication skills of students
- To provide special coaching for GRE/TOEFL/CAT
- To increase the activities to address locational advantages