



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	MOUNT ZION COLLEGE OF ENGINEERING AND TECHNOLOGY
• Name of the Head of the institution	Dr. P.Balamurugan
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04333-294400
• 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 Post
• City/Town	Pudukkottai
• State/UT	Tamil Nadu
• Pin Code	622507
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the Affiliating University	Anna University, Chennai				
• Name of the IQAC Coordinator	Prof. A. Taksala Devapriya				
• Phone No.	04322320801				
• Alternate phone No.	8056544077				
• Mobile	7373354444				
• IQAC e-mail address	iqac@mountzion.ac.in				
• Alternate Email address	principal@mountzion.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://www.mzcet.in/aqar.php				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.mzcet.in/naac/iqac/academiccal.html				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.45	2014	10/12/2014	09/12/2019
Cycle 2	B++	2.83	2020	14/02/2020	13/02/2025
6.Date of Establishment of IQAC			28/05/2008		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		

9.No. of IQAC meetings held during the year	4	
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> • If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<ul style="list-style-type: none"> • Best Engineering College in Tamil Nadu for Industry Interface 2021 by CEGR • Bestowed with highest rating of 4 star rating for its outstanding activities and performance (IIC 3.0) and Recognized the band "PERFORMER" under the category of "Colleges/Institutes (Private/Self-Financed) - Technical" in ATAL Ranking of Institutions on Innovation Achievements (ARIIA) by Ministry of Education, Government of India. • MoU's Signed with Ford. In honour, FORD presented a car to our institution under the title of Take education to further. • 11 student teams of MZCET participated in TOYCATHON 2021 and 2 teams shortlisted for National Level Grand Finale under Hardware Edition organised by Ministry of Education's Innovation Cell & AICTE. • Students were engaged through Online webinar series during the lockdown. 		
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	
Curricular aspects	<ul style="list-style-type: none"> • 32 value added courses were organized for students during the COVID situation for improve their technical skills. • 14 certificate courses were conducted for students in different fields. • Students attended the online internship programmes. 	

<p>Teaching- Learning and Evaluation</p>	<ul style="list-style-type: none"> • More than 200 webinars has organized for the students to enhance the knowledge level. • Webinar series was organized with 160 National and 21 International of academicians and industrial resource people for the students to get technical knowledge and industrial exposure.
<p>Research, Innovation and Extension</p>	<ul style="list-style-type: none"> • Faculty members were published 28 research articles in various reputed journals. • Faculty members were published 67 book chapters/ International conference. • Totally, 20 various extension activities were conducted. • More than 20 functional MOU's with national and international educational institutions and industries. • Totally, 17 seminars were conducted related to research methodology, intellectual property rights and Entrepreneurship development. • FORD presented a car to our institution under the title of "Take education to further".
<p>Infrastructures and Learning Resources</p>	<ul style="list-style-type: none"> • All departments have a member of professional society like IEEE, IETE, ISTE, IEI and student chapters corresponding to their discipline. • Membership of the institution has DELNET and has E resources material can access from the remote location especially for the student.
<p>Student and Progression</p>	<ul style="list-style-type: none"> • Student mentoring system was provided with proper guidelines to enhance the technical skills and improves their soft skills. • Conducted around 27 alumni

	<p>mentorship programmes at regular intervals.</p> <ul style="list-style-type: none"> • Career guidance cell organized 28 programs for the students. • All the online classes have been recorded and the materials were provided to students. • 24 capacity building programs were conducted for students.
<p>Governance, Leadership and Management</p>	<ul style="list-style-type: none"> • AICTE sponsored STTP has organized under title of Recent Advancements in Internet Things of Healthcare Applications (5 slots). • Our institution submitted application in NIRF for Indian Ranking 2022. • 35 skill development and training programmes were organized for the teaching and non-teaching faculty members. • Around 98 faculty members were attended the conference and other events with financial support provided by institution. • 100 faculty members have been participated FDP, Webinar and Workshops.
<p>Institutional Values and Social Responsibilities</p>	<ul style="list-style-type: none"> • Energy auditing and environmental auditing for whole campus were conducted periodically. • Implement of E-Campus at the institutional level to monitoring the entire spectrum of activities that takes place day to day. • Solar-Power Plant designed for enhance the students' knowledge in recent trends especially for PG student.
<p>13. Whether the AQAR was placed before statutory body?</p>	<p>Yes</p>
<ul style="list-style-type: none"> • Name of the statutory body 	

Name	Date of meeting(s)
Governing Body	14/12/2020

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2020	31/03/2022

Extended Profile**1. Programme**

1.1	319
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2. Student

2.1	1152
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	184
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	449
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic	
3.1	103
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	96
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	40
Total number of Classrooms and Seminar halls	
4.2	605.52
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	430
Total number of computers on campus for academic purposes	
Part B	
CURRICULAR ASPECTS	
1.1 - Curricular Planning and Implementation	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
<ul style="list-style-type: none"> • Mount Zion College of Engineering and Technology is a self-financing institution approved by AICTE and affiliated to Anna University, Chennai. • Advance planning of curriculum delivery based on the academic calendar of the Institution in line with the schedule of the affiliating University. • Schedule of department activities is prepared which includes internal assessment test, guest lectures, workshops, symposium and training. 	

- Subject allotment for the faculty is based on the competency matrix, teaching experience and past academic performance.
- The time table is prepared by the time table coordinator, with slots allotted for tutorial classes, student seminar hour, Internet/library and counseling hour along with regular theory and laboratory courses.
- The course file is prepared by faculty members, which includes PO-CO mapping, lesson plan, question bank, previous year university question papers, laboratory manuals, seminars and guest lecture plans, assignment plans, tutorial plans, content beyond the syllabus and student-centric activities.
- Class committee meeting is conducted periodically and get feedback from the students to take corrective measures.
- All the academic activities from planning to execution are effectively monitored and carried out by Principal and HoDs through eCampus software.
- Feedback for curriculum development is collected from stakeholders, analyzed and remedial measures are taken from time to time.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://mzcet.in/naac/AQAR2021/1.1.1_MZ.pdf

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

- Academic calendar of the Institution is prepared in line with the schedule of the affiliating University which includes the plans for technical events, Internal Assessment Test, list of holidays and curricular, co-curricular and extra-curricular activities based on the available working days as per university norms.
- The timeline is given by the affiliating university is strictly adhered by the institution by effective time management.
- Academic calendar consists of the dates of last working day, Commencement of Anna University theory and practical examinations.
- Following the university academic schedule, every department formulates internal department calendar to ensure timely delivery of the syllabus, which includes the department activities, internal assessment test.

- Exam cell announces the dates for submission of question papers and entry of marks and also reminds the last date for portal entry.
- Slow learners are identified from these assessments and remedial classes are conducted to assist them to improve their performance in the external examination.
- Class Committee meeting is conducted in the department with the faculty members to assess the level of understanding of the students.
- All kinds of tests were scheduled in evenly spaced out intervals as instructed by the university to avoid pressuring the students with too many examinations.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://mzcet.in/naac/AOAR2021/1.1.2_MZ.pdf

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	View File
Any additional information	View File

1.2 - Academic Flexibility

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

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

9

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

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

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

31

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

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

1464

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

1.3 - Curriculum Enrichment

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

The courses such as Professional Ethics in Engineering, Renewable Energy Sources, Total Quality Management, Environmental Science and Engineering and Intellectual Property Rights are included in the curriculum as core subjects.

GENDER EQUALITY:

As a co-educational institute, measures towards gender equality are taken for both the genders in all aspects. The college has Women’s grievance redressal cell which is formed to redress the grievances of the girl students and promote leadership qualities among women faculty.

ENVIRONMENT AND SUSTAINABILITY:

The institution takes efforts through green campus initiative cell and energy audit cell to enhance the environment and sustainability awareness among students. Renewable energy utilization is achieved through the installation of solar plant and Bio-gas plant. Sustainability of Environment is maintained through the installation of rain water harvesting and Solid waste management.

PROFESSIONAL ETHICS AND HUMAN VALUES:

The institution takes additional efforts through NCC, NSS, RRC, YRC and Rotaract Club for making students sensitive towards social issues. Students’ Chapters of several professional organizations have been established to enhance technical and social awareness among students. Anna University curriculum has “Professional Ethics in Engineering” course to all the branches of Engineering which inculcates ethical standards required for engineers.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

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

130

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

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

725

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

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://mzcet.in/naac/AQAR2021/1.4.1_MZ.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may

A. Feedback collected, analyzed

be classified as follows

and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://mzcet.in/naac/AOAR2021/1.4.2_MZ.pdf

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

187

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

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

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

184

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

2.2 - Catering to Student Diversity

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

The institution governs the policy for enhancing the students in the virtue of assessing the learning level of the students.

STRATEGIES FOR ADVANCED LEARNERS:

- The department adheres the polices framed by the institute. The department plan and organize seminars/ conferences for the students based on their needs. The institute encourages the students to take part in challenging events organized by various bodies like AICTE , organized by AICTE.
- 24 hours workshop, value-added courses and certificate courses helps the students to cater their technical skills in the engineering domain. Students are encouraged to attend NPTEL courses, GATE, state and national level competitive exams.

STRATEGIES FOR SLOWLEARNERS:

- For facilitating the smooth transition of the students the institute follows and conduct the SIP under the guidelines of AICTE. The structured bridge course is arranged to entry-level students during the first year and a separate time table is followed for facilitating bridge course which covers the Science, English, and Mathematics.
- Special home assignments are given to the slow learners to improve their understanding level of the subjects. Special mentoring is given for slow learners to identify their individual problems. The progress of the are closely monitored. The learning levels are then improved.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/2.2.1_MZ.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1152	103

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

EXPERIENTIAL LEARNING

- Regular conduction of OBE activities for each course to enhance the learning experience.
- The department conducts workshops , value added and certificate courses for the development of practical knowledge among the students.
- Students are exposed to various Experiments beyond the syllabus, Mini projects , field projects , field visits and Inplant training/interns.

PARTICIPATIVE LEARNING

- Students are asked to involve in participative through mini projects and the learning outcomes of these activities are discussed and shared with all the students in the class.
- Students are encouraged to participate in Seminars, Presentations, conferences, workshops, and symposiums which helps to enhance and improvise the learning experience of the student in a productive manner.
- Students regularly participate in outcome-based classroom activities during lecture sessions.
- Students are given hands-on training and encouraged to make prototypes.
- Students are instructed to organise various department and institution level events.

PROBLEM SOLVING METHODOLOGIES

- The institution follows problem-solving methodologies by challenging the students with assignments, home works, aptitude training and tutorials.
- Students are assigned with projects which focus on real-time issues. Students are given special workshops on structural design, Machine design, Raspberry pi, Robotics, IoT, Arduino, to enable them to solve real-time issues in their field of study.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://mzcet.in/naac/AQAR2021/2.3.1_MZ.pdf

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

- The institution has 40 spacious smart classrooms. The classrooms are well designed that incorporate everything needed for a pleasant learning atmosphere and to empower faculty members by enabling student interaction and collaboration on interactive whiteboards and interactive panels.
- PowerPoint presentation (PPT) for all subjects is prepared by the concerned teacher and made available for all the students in the institutional website.
- Lecture videos by faculty in the institution are recorded and uploaded in YouTube and link is provided in the website.
- 3D animated videos, real-time working models are created and made available for students learning. Computer-based student's knowledge assessment before allowing them to do laboratory experiments.
- Staffs and students are well trained in using Google class rooms. The necessary subject materials are shared to the students through Google classroom with protected domain id.
- The examinations are conducted in a modernized way using the google class room and the students answer scripts are evaluated using modern tools and the marks are shared to students
- The safe and secure online teaching learning process was carried out through the google classroom during lockdown periods with protected login id and the class videos are recorded and shared with the students for future references

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

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

2.3.3.1 - Number of mentors

77

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

2.4 - Teacher Profile and Quality

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

103

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

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

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

16

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

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

2.4.3.1 - Total experience of full-time teachers

496.47

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

- Being an affiliated Institution, we strictly follow the norms mandated by the University.
- All the internal assessment schedule and question paper pattern are informed through circular and MZ eCampus mobile app in well advance.
- Students Assessment marks are displayed in the notice board and MZ eCampus app. The evaluation procedure for both theory and laboratory exams are kept transparent.
- The teacher issues answer scripts of the periodical tests to students and internal laboratory examinations with his / her comments. Discrepancies reported by any student are verified and necessary action is taken.
- Students who have absent for the internal test are followed closely and retest are conducted.
- Students' internal test marks are entered after the internal examination and students can view their marks in their portal.
- At the end of each semester, students are assessed internally based on marks secured in two internal tests and one model examination.
- Internal marks are strictly based on the internal assessment test and the attendance secured by the student.
- Lack of attendance of students is calculated and made transparent to the students in the student login portal of the eCampus and displayed in department notice board. The same is also informed to the parents periodically.

File Description	Documents
Any additional information	View File
Link for additional information	https://mzcet.in/naac/AOAR2021/2.5.1_MZ.pdf

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

and efficient

- All the university-related grievances are transparently addressed by the institution exam cell in a smarter way for the students in a easily approachable manner
- All the exam schedule, marks scored and its grievances are addressed through MZ eCampus mobile app.
- Student name correction request is progressed as suggested by the university and continuously being followed by exam cell discrepancy in Anna University question paper is observed by concern subject handler and the same is also notified to Anna University then and there.
- Malpractice procedures in examinations are strictly followed, and it is reported to the affiliated university immediately.
- Student revaluation applications and its last date also informed to students and photocopy of the answer scripts are also progressed and monitored within time-bound. Withheld of results for a particular student is dealt with duly at the right time.
- Date of Birth correction and certificate photo correction also addressed to university and rectified then and there.
- The students are practiced and well trained for appearing online examinations through the demo sessions organized by our internal examination cell.
- The evaluation process of our institution is made transparent and the specific evaluation methods for a particular class are elaborated in the class committee meetings.

File Description	Documents
Any additional information	View File
Link for additional information	https://mzcet.in/naac/AQAR2021/2.5.2_MZ.pdf

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.

- Vision, mission and all Course Outcomes (COs), Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) are displayed through MZ eCampus app.
- Each program offered in the department, PEOs and POs have been formulated. For each course offered in a particular program, Cos are defined.
- Course outcomes are written by the subject handlers with the reference of standard program outcomes. Course outcomes are

formulated as per the guidelines given by Anna University in the curriculum under various regulations.

- The formulated course outcomes are mapped with program outcomes and the same is reviewed by Head of the Department.
- 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, hands-on training, etc. are organized to meet the defined course outcomes of faculty members for their subjects.
- The teachers will communicate about the COs , POs, PSOs to the students for understanding the importance of the learning outcomes.
- The frequent communication regarding the COs , POs, PSOs is done to the students in all department level students meeting .
- All CO - PO mapping details are disseminated to the stakeholders through the Institution website.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://mzcet.in/naac/AQAR2021/2.6.1_MZ.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

- The teaching-learning strategies are structured by designing the academic plan, lesson plan, suitable teaching-learning methods and by implementing them with necessary additions or modifications as per need, and by evaluating the student's performance periodically.
- At the end of the semester, a model examination is conducted for both theory and practical subjects so that the students get prepared to the university examination well in advance.
- Students give feedback twice in a semester on teachers and Teaching-Learning systems for corrective actions.
- Department assesses the level of achievement of course attainments, at the end of every semester.
- Students having option to choose interdisciplinary courses through the elective courses prescribed by the affiliated university
- The outcome of the taught courses under the various curriculum

of Anna University is evaluated through continuous improvement of placement records of our students.

- Attainment of course outcomes are also observed during the student's exit survey feedback and the suggestions are submitted to Head of the department.
- Alumni Entrepreneurs are regularly in touch with the institution and hence proving the outcome of our institution by showing their ability to run their own business efficiently.
- students' outcomes to meet the requirements of the employer are reviewed from the feedback of recruiters.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://mzcet.in/naac/AQAR2021/2.6.2_MZ.pdf

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

449

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://mzcet.in/naac/AQAR2021/2.6.3_MZ.pdf

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://mzcet.in/naac/AQAR2021/2.7.1_MZ.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)**

File Description	Documents
Any additional information	No File Uploaded
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)	No File Uploaded

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**

7

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

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

0

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

3.2 - Innovation Ecosystem

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

MZCET has taken initiative steps towards developing ecosystem for innovations and knowledge sharing method. MZCET established Institution's Innovation Council, Entrepreneurship Development Cell and Research & Development Cell for creation and transfer of knowledge.

- IIC secured excellent rating and was bestowed with 5 star in 2019-20 and highest rating of 4 star in 2020-21. In Smart India Hackathon 2019 & 2020, MZCET students continuously won winner title. In Toycathon 2021, 11 teams participated and 2 teams shortlisted for national level grand finale under hardware edition. In YUKTI 2.0, 20 teams submitted their ideas and prototypes. Six faculty members completed foundation level and one faculty completed advanced level Innovation Ambassador Training conducted by MoE's Innovation Cell. MZCET is recognized in the band "PERFORMER" under the category "Colleges/Institutes (Private/Self-Financed) - Technical" in ARIIA 2021. MZCET selected as Mentor IIC Institution for the Mentor Mentee Program 2021-22.
- EDC provides a platform for the budding entrepreneurs to learn about entrepreneurship and organizes idea hunter, business plan competitions, encourage the students to participate in competitions and programs related to entrepreneurship development activities.
- R&D encourages faculty members and students to publish technical papers in National and reputed International Conferences and Scopus/SCI Journals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mzcet.in/naac/AQAR2021/3.2.1_MZ.pdf

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

17

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

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

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

3

File Description	Documents
URL to the research page on HEI website	https://mzcet.in/naac/AQAR2021/3.3.1_MZ.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

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

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

28

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

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

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

67

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

3.4 - Extension Activities

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

MZCET organizing various extension activities such as blood donation camps, saplings plantation, environmental awareness programme, medical awareness camps, free health check-up and computer education to the rural people. MZCET supports schools located in rural areas by providing smart class facilities, renovation work, construction of toilet facilities, water tank, lighting facilities, PA system, projector screen and printers. Also extends support to Srilankan refugee's camp by providing food, shelter facility during vardah cyclone, water tank facility, books to the library and sports materials. MZCET also conducts technical workshops to students located in rural areas and encourages government school students by conducting sports activities every year.

- NSS unit conducts blood donation camps, AIDS awareness camps, dengue awareness camps, road safety campaigns, swach bharat cleaning programme, tree plantation programme, cleaning of temple premises.
- YRC of MZCET conducts various awareness programmes to prevent dengue fever, campaign against plastic usage, cancer awareness programme, dengue awareness programme, HIV/AIDS awareness programme.
- Every year RRC conducts field visit to government hospitals, blood donation camps, health awareness programme, AIDS awareness programme.
- Rotaract Club conducts blood donation camps, kanmai cleaning programme, bike rally regarding women health, organ transplantation awareness programme, renovation of the panchayat union middle schools.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/3.4.1_MZ.pdf
Upload any additional information	View File

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

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

13

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

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

23

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

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

3.4.4.1 - Total number of Students participating in extension activities conducted in

collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

820

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

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

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

32

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

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

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

24

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

- The campus is spread over an area of 30 acres with a built-up area of 29,479 sq.m of land.
- The building comprises 35 high-standard ICT classrooms and 8 tutorial rooms.
- Institution has upgraded and modernized 31 laboratories for regular practical. The specific laboratories are upgraded for P.G. courses.
- Industry-sponsored labs like e-Yantra, Robotics Laboratories and Analog Electronics were set up to promote the problem-solving.
- The campus is networked with 24 hour Internet connectivity with a bandwidth of 100 Mbps.
- Institution has 7 seminar halls and two auditoriums.
- Institute has 334 computers, 27 printers, five photocopying machines. Institution provides stationery store, post office, bank and ATM facility within the campus.
- Institution has central as well as departmental libraries and equipped with library management software.
- Institution has a separate gymnasium. The campus has two hostels a maximum of 3 students are allowed to stay in the hostel.
- Institution provides fire extinguishers. Safe drinking water is available from a reverse osmosis plant with a capacity of 2000/liter.
- A generator facility of 250 KVA and solar power plants with a capacity of 50 K.W is available. The separate canteen available.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mzcet.in/naac/AQAR2021/4.1.1_MZ.pdf

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

- The institution focuses on the overall development of the students through participation in co-curricular and extra-curricular activities. Outdoor and indoor sports and games contribute significantly to grooming students Sports and Games.
- Our Management believes in the overall development of our students. A large playground is available on our campus with an area of 21043.70 sq.m to give regular practice for the students in outdoor games. Facilities for Indoor games are also available. The college has a standard 400 meters track, Long jump, Triple jump, High jump, Shot put, Javelin throw and Hammer throw, two football fields, one cricket ground, 1 Handball court, two volleyball courts, 1 Hockey ground, two kabaddi court, indoor badminton court and 2 Ball badminton court, 1 Basket Ball court with floodlight facility inside the campus. A separate gym with modern equipment is available to train the students. Students are regularly participating in zonal level, state-level competitions and university level and they have won medals and awards in track events and group events. Institute has Yoga Classroom for Faculty members and students do meditate. The seminar halls and auditoriums provide adequate facilities to conduct various cultural and co-curricular activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mzcet.in/naac/AQAR2021/4.1.2_MZ.pdf

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

40

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mzcet.in/naac/AQAR2021/4.1.3_MZ.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

86.80

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

- The library is automated by e-Campus software in the year 2013.
- 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 36,829 titles of text and reference books.
- The institution has an excellent Digital Library, and it has subscribed to many online journals like Springer, DELNET, E-Shodhsindhu, National Digital Library of India etc.,
- The major resources and services for our library are Referral Service, Selective Dissemination of Information, Computerized indexing of library resources with Bar Code, Reprographic, E-Books, E-journals & Educational oriented videos, Downloadable

facility for previous year question papers and syllabus.

- Our library comprises of subscription of hard copy journals, UG/PG thesis reference section, books available for competitive examinations, remote access facilities.
- Our institution library has 10 computer systems to access various on line e-journals, ebooks, thesis, NPTEL videos etc.
- OPAC (Online public access catalog) service is made available to all staff and students.
- Any requirement of additional books for faculty members and students can give the request of books through e-Campus.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://mzcet.in/naac/AOAR2021/4.2.1_MZ.pdf

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

A. Any 4 or more of the above

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

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

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

16.43

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

344

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

4.3 - IT Infrastructure

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

- Institution is Wi-Fi enabled with necessary firewalls and the computer labs are connected through LAN with internet facilities. The latest IT infrastructure and resources are upgraded annually and necessary software, anti-virus packages are regularly installed and the systems are updated continuously as per the requirements and changing technology. The Wi-Fi facility in the college campus is used for the student and faculty members to avail of internet connection at any place in the college and hostel. Institution has 35 smart classrooms for the better teaching-learning process. Institution has updated to 100 Mbps leased line internet connectivity from 50 Mbps. The adequate number of computers with printers, scanners and high-speed internet are available in the office, examination section, computer room and library. Student to computer ratio of 3:1 is being maintained.
- Data Centre is well equipped with DHCP, DNS, Firewall Server, Storage Server, Ubuntu server, Mikrotik Cloud core router, CP Plus Network Video Recorder. Software packages are installed in English Language Laboratory, Computer Laboratories and Library. Students' attendance, marks are updated in the eCampus software. Information about upcoming events is

available on the website. Students login are enabled to access the e-resources through remote access.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mzcet.in/naac/AOAR2021/4.3.1_MZ.pdf

4.3.2 - Number of Computers

430

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

144.12

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

- Maintenance plays such an important role in ensuring an institution's effectiveness. A campus-wide maintenance and utilization system ensures effective use of the existing facilities, such as classrooms, computers, and laboratories. Maintaining the physical facilities is the responsibility of the Maintenance Team, made up of talented faculty to provide supervision and lab technicians to provide maintenance from all the departments. As part of their responsibilities, the maintenance team is responsible for ensuring continuous power supply, maintaining equipment such as general lighting, the power distribution system, solar panels, and water pumps.
- The request of maintenance is initiated by the lab technicians to the HOD. The nature of maintenance is observed by HOD and the maintenance team will attend, diagnose the fault and rectify it or else suggest for external services from suppliers or other service providers.
- If the service does not come under guarantee/warranty/free service period, quotations are received from the supplier as well as from two other companies. Comparative statement will be prepared and submitted to the Principal with the recommendations of the respective HOD.
- Cleaning of vehicles, air filing and small repairs are undertaken by the transport department inside the college. Major repairs are carried out by external automobile garages.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mzcet.in/naac/AOAR2021/4.4.2_MZ.pdf

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	
787	
File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File
5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year	
5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year	
377	
File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above

File Description	Documents
Link to Institutional website	https://www.mzcet.in/naac/documents/CAPACITY%20BUILDING.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

706

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

706

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

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

253

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

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

5.2.2.1 - Number of outgoing student progression to higher education

10

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

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

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

3

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

12

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

- Internal Quality Assurance Cell (IQAC), Library , Subject , Syllabus coordinators are the dissemination of information on various quality parameters of higher education. Class

representative, Attendance, Lab ,Time table coordinator, Class Committee(CC) representative, Exam, Carrier guidance cell, Gate, NPTEL, Feedback and Daily class report coordinators are an important role in ensuring the highest quality learning experience for students. Co-curricular, Extra-curricular Events, Facility, Sports and Cultural coordinators are responsible for assisting students and executing successful events. Notice board and Website/Magazine/News coordinator are provide details of the program and schedule and all other necessary information of upcoming events.

- Facility, Hostel and Canteen coordinators play important role of regarding food quality and other general facilities. Discipline /Anti Ragging Committee, Students / Women's grievances redressal Cell's responsibility is to ensure that the college campus is free from ragging and eve-teasing. Industry Institute Interaction cell, Placement and Training and Department cell is to promote closer interaction between the academic as well as industries to make a broader linkage with the institution. Energy audit cell, Green campus cell to generate awareness regarding the necessity to shift focus on conservation of energy.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/5.3.2_MZ.pdf
Upload any additional information	View File

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

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

26

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

- There is a registered Alumni Association that contributes significantly to the development of the Institution through financial and/or other support services.
- Alumni bring laurels to their juniors in many ways through the Mount Zion College of Engineering and Technology alumni (MZCET ALUMNI) association lead by our faculty member. The Institute established alumni cell in 2019 to maintain good linkage between institute and alumni. Regular interaction with alumni is ensured to bring current technologies practiced in the industry to the institute. Also opportunities available in the job market and the skill set expected by the industries are shared by the alumni through seminar/Webinar activities. In addition, Alumni are actively contributing to the curricular gap identification and development of Add on course modules.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/5.4.1 MZ.pdf
Upload any additional information	View File

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

B. 4 Lakhs - 5Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 - Institutional Vision and Leadership**

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

- The Vision and Mission statements of Mount Zion College of Engineering have been structured based on the interactions from various stakeholders. The management of our Institution plays an important role in establishing excellent infrastructure to fulfill its vision and mission. Institution has a Governing Council constituted as per the norms of the statutory bodies .Governing Council is convened once in a year to review the progress of the institute and approve the recommendations of the Academic Council. The decisions taken during the Governing Council meeting are circulated to all concerned members for effective implementation after the approval of the Chairman of the Management.
- The management of the institute is assisted by Principal, Deans, HoDs, faculty and staff members to enhance the quality. Director reviews the academic activities through monthly review meeting with the Principal and the Dean. Major policy decisions are taken in these meetings. The academic calendar is prepared before the commencement of the academic year for providing quality education. The Principal conducts weekly meetings with all the HoDs regarding academic activities. The HoDs will prepare the department academic calendar by getting suggestion from the faculty members. IQAC has developed to ensure quality benchmarks for all activities.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/6.1.1.pdf
Upload any additional information	View File

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

The top management, Principal, HoDs, Exam Cell In-charge/ Coordinator, faculty members, office superintendent, librarian and non-teaching staff and other various committees students and Stakeholders are actively participating in the overall development of the institution.

DECENTRALISATION

- Implementation of the vision, mission and quality policy of the Institution is monitored by Governing Council. Principal assists the Management in making policies and taking decisions on setting academic and administrative goals and achieving them. Head of the Department monitoring all the activities and work progress of the department and commences department meetings, organize class committee meetings, mentor meetings and parent teachers meeting to review the progress of the students. HoD prepares the annual budget for the department which is approved by the Principal, Management and Governing council. The faculty members act as conveners or members of the various committee/cells of the institution and deploy the strategic plan of the institution.

PARTICIPATIVE MANAGEMENT

- The students participate as member in Library advisory meetings and IQAC meetings of the institution. The Alumni mentorship programmes for students are arranged to impart knowledge about present day technologies and requirements of industries. In parent teachers meeting, parents suggest ideas for the improvement of the institution.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/6.1.2.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment**6.2.1 - The institutional Strategic/ perspective plan is effectively deployed**

- The strategic plan which is framed by the top management and head of the institution, are communicated to the faculty, staff, students and other stakeholders through meetings, emails, notice board, website and advertising media. The institutional handbook provides guidelines for all the activities through well-defined policies and procedures.
- IQAC prepares the strategic plan and gets the approval of the Governing Council. The Principal being the Chairman of IQAC takes all the necessary steps to deploy the approved strategic plan.
- HoDs arrange co-curricular activities, as per the plan at the

departmental level. Institution has 31 other functional bodies and committees to conduct various co-curricular and extra-curricular activities as per the strategic plan. At periodic interval keeping in view of academic calendar IQAC reviews the action taken towards the accomplishment of each plan. Based on the analysis done by IQAC further course of action is planned.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://mzcet.in/naac/AQAR2021/6.2.1.pdf
Upload any additional information	View File

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 organization has a well-structured administrative setup with Governing Council as the highest decision making body and 31 other functional bodies and committees. The administrative setup is provided in the organogram.

Service rules, Procedures, Recruitment and Promotional Policies:

RECRUITMENT PROCESS:

- The recruitment and selection of staff are highly effective in terms of its rigorous adherence to the policy and procedures laid down by the Institution Management and norms of the statutory bodies.

SERVICE RULES OF THE INSTITUTION:

- The copies of the institutional handbook containing Service rules, Procedures, Recruitment and Promotion Policies are circulated among all the staff (both Teaching and Non-teaching) for their information.
- The same is also available on the Institution website - www.mzcet.in.

INTERNAL GRIVANCE REDRESSAL MECHANISM :

- The Grievance Redressal Mechanism of the institution is an easy and readily accessible procedure for prompt disposal of

the day-to-day genuine grievances of the staff and student to maintain a genial atmosphere.

- General Grievance Redressal Cell resolves grievances of both boys and girl students and employees of the institution.
- Received grievances are sorted out the problems confidentially by the respective department/section concerned. Unsolved problems if any, it will be taken to the head of the institution for further clarification.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/6.2.2.pdf
Link to Organogram of the institution webpage	https://www.mzcet.in/aboutus/#Organogram
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

Institution has the following welfare measures,

- Based on faculty experience and their performance, tuition fee concession will be provided for the children who are all studying in our group of institution.
- Employee Provident Fund for teaching and non-teaching staff.
- 100% Registration fee, traveling allowance for attending

career enrichment programs.

- Medical leave with salary for who stuck with road accidents.
- Personal loan, festival advance and salary advance from the management is available for the teaching and non-teaching employees in case of emergencies.
- Staff recreation club is available to support our faculty members those who are in urgent needs and for celebrating the birthday of teaching and non-teaching staff members along with a delicious meal.
- Closed User Group mobile phone facility is provided to both teaching and non-teaching staff.
- Awards and rewards for meritorious contributions.
- Ten days on-duty for participation in Faculty Development programmes and research activities.
- Twenty days on-duty 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, staff canteen, Bank, ATM and post office facility on the campus. Free uniform for certain grade employees (only for drivers, security and sweepers).
- Group health and accidental insurance.
- Postal insurance facility.
- Subsidised/free transport facility.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/6.3.1.pdf
Upload any additional information	View File

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

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

98

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

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

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

35

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

100

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

- A well-defined appraisal system for faculty is followed in the institution. The self-appraisal form includes the details of academic, research and special achievements of the staff, individual faculty's contribution to institutional performance and their administrative responsibilities. 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. This Performance Appraisal System has revealed an opportunity for every faculty member to know their strengths and weaknesses. The accomplishment of this evaluation process is the development of the institution along with self-growth of every faculty member. The scores obtained in the feedback are taken as one part that qualifies the faculty for the Institution level coordinators and Institution level administrative works in the respective domains. They, in turn, have faculty members from various departments for assistance. This process of elevating faculty members as coordinators has provided the administration many second inline leaders facilitating succession planning. Appreciation for their service in the institution is shown by giving experience award for all the staff members. The performance of the non-teaching staff is appraised every year by the HoD.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/6.3.5.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

The financial resources of the institution are managed in a very effective manner and all accounts are managed in systematic computerized software. A complete budget is prepared every year well before the academic year begins. The institution prepares the annual budget. Annual Budget for the respective department is prepared by the respective HoDs. The budget submitted by the HoDs is carefully scrutinized by the Head of the Institution and all the changes are made wherever necessary and submitted to the management.

INTERNAL AUDIT:

The internal audit is a continuous process. Qualified Internal Auditors have been permanently appointed and the accounts team does the verification of all payments, receipts & journals vouchers of the transactions cash books, ledger account review that are carried out in each financial year on an accrual basis system. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers.

EXTERNAL AUDIT:

The external auditor appointed by the college performs audit of the financial statements of the college after the end of each financial year, finally they certified the income & expenditures, balance sheet and prepared notes to accounts.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/6.4.1.pdf
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)**6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

Nil

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)	View File

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

The College has a well-defined organization set up. Principal has financial and administrative powers. Before the commencement of the financial year, HoDs and various committee/cell/club coordinators submit proposals regarding expenditure corresponding to the projected income for an academic year which is scrutinized by the Principal and thereafter a consolidated budget is placed before the Governing Council members for approval. Principal allocate fund to each department after getting the approval from Governing Council. Departments avail the financial resources within the given limit. The institution maintains a reserve corpus fund which is used as matching grants for developmental purposes. The funds are utilized for approved academic expenses and administrative expenses as per the norms.

STRATEGIES FOR FUND MOBILIZATION:

- Extensive consultancy activities in all departments.
- Fund from sponsored agencies.
- Fund from societies and professional bodies.
- Fund through software development.

STRATEGIES FOR OPTIMAL UTILIZATION OF FINANCIAL RESOURCES:

- Extension and updation of laboratories, computing facilities, library, teaching-learning process, training and software packages.

- Allowing faculty members to attend the faculty development programmes.
- Providing a special scholarship for the meritorious students.
- Organizing seminars, guest lectures and motivational talk for students and faculty members.
- Promoting extension activities.
- Developing green campus environment.
- Improving and maintaining physical facilities.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/6.4.3.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

IQAC focuses on the academic performance, teaching-learning process and monitors the continuous improvement. There is a centralized IQAC academic team focusing on the initiatives for academic improvement. Out of the many initiatives, two are explained here:

INTRODUCTION OF WEBINARS FOR THE EFFECTIVE TEACHING-LEARNING **Introduction of webinars for the effective teaching-learning process**

- Online webinar series is one the initiative of IQAC for enhancing the quality of the teaching-learning process. In March 2020, our nation has entered into pandemic situation. During that period, institution makes an effort to continue the learning skill of the students through organizing online webinar series. Under this plan around 200 lectures/seminars were organized related to emerging technologies by various industry and academic experts. More than 12 academicians from various institutions and 150 industrial persons interacted with our students.

Establishment of a comprehensive e-governance system and ICT usage

- Implementation of e-governance and ICT usage are the unique feature of our institution. Before the commencement of the classes faculty completes all academic plan using eCampus software. Since, all of classrooms are equipped with smart boards which offer interactive session. IQAC conducts the

faculty development programmes related to usage of e-governance system and ICT facilities at regular interval.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/6.5.1.pdf
Upload any additional information	View File

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

The main objective of IQAC is to ensure quality assurance of academics and administrative works and reviews its teaching learning process outcomes at periodic intervals for the growth of the institution.

IQAC analyses the effectiveness of the teaching learning process through Mentoring, formal and informal feedback from the students, academic feedback from students and Academic audit.

During the commencement of every semester of the academic year the subjects are allocated to the faculty members based on their expertise, willingness and lecture notes and subject presentation are prepared well in advance by the concern faculty member. Course files are evaluated by the IQAC committee. Lab manuals with Standard Operating Procedure are prepared by the faculty members and are kept in respective laboratory for student's reference.

Class committee meetings are conducted to assess quality of Teaching-Learning process. Based on the feedback given by the students suggestions are given to faculty members.

Mentors are assigned with a batch of 15-20 students and the assigned mentors meet the students during mentor hour scheduled in the timetable and counsel them for academic progress and on personal issues. Motivational classes are conducted for fast learners to cope up their academic credit in their own expertise.

File Description	Documents
Paste link for additional information	https://mzcet.in/naac/AQAR2021/6.5.2_MZ.pdf
Upload any additional information	View File

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://mzcet.in/naac/AQAR2021/6.3.3_3.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

- The College campus 24-hour surveillance is maintained with 160 CCTV cameras covering the strategic locations of the campus. The students and other staff members in the college too remain cautious about the surveillance. Discipline is maintained and it also provides a sense of security to the students and even their parents. The students and staff wear college identity cards at all times to ensure their identity. The institution takes good care of the students in every aspect.
- Security posting of security recruits at favorable points especially the Main Gate, Administrative Office, each corridor of the main building and many other places to keep watch on

persons entering and leaving the campus.

- Good habits of saving for future, community living, respect for social diversity and the like are inculcated/ adhered to Group Insurance covering all- students and staff are taken.
- The College has committees to monitor and address the safety, security and social issues like Anti-ragging Committee and Grievance Redressed Committee.
- The campus is set with a suggestion box which is positioned main building corridor intended to collect any suggestions/complaint from students and staff of the campus concerning any abuse or harassment
- Adulthood, mental stability, attitudinal aspects and relationships management are well mentored by assigned faculty members. Complete mentoring that starts from day one of induction and extends throughout their life periods is adopted.

File Description	Documents
Annual gender sensitization action plan	https://mzcet.in/naac/AQAR2021/7.1.1_MZ.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://mzcet.in/naac/AQAR2021/7.1.1_MZ.pdf

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

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

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

- **Solid waste management -Metal and other solid waste is stored**

- and given to authorized scrap agents for further processing.
- Solid waste is collected daily in dustbins located around the campus, which is then dumped in pits and the professional contractors collect the recyclable waste.
 - Usage of plastic cups, plates and cutlery are banned in the campus as a green initiative
 - Liquid waste management- From the total water consumption, nearly 80% turns into waste water from toilets, wash basins, kitchens and laboratories. The part of the waste water collected is utilized for gardening.
 - Hostel and canteen waste liquid waste is generated during food preparation and washing of cooking utensils. This waste waters were safely disposed-off big underground chamber which shuck naturally in soil that influence to make recharge ground water.
 - E-waste management- Non-working computers, monitors, and printers are discarded and scrapped on a systematic basis. Some parts useful for other systems are kept aside for future use.
 - Reduce and reuse strategies are the very effective strategies implemented with full support of the students and staff. The non-renewable energy is reduced to a minimum. The plastic wastes reduced considerably with plastic ban and the single use items are discouraged for all functions and steel plates and Templers are used in the campus.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

<p>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</p> <ol style="list-style-type: none"> 1.Restricted entry of automobiles 2.Use of bicycles/ Battery-powered vehicles 3.Pedestrian-friendly pathways 4.Ban on use of plastic 5.Landscaping 	<p>A. Any 4 or All of the above</p>
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File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

<p>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</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

<p>7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

<p>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).</p> <ul style="list-style-type: none"> The institution is providing a healthy environment which promotes tolerance and harmony among the students and staff. The enrolment is purely transparent and is merit based. Moreover, this institution affords equal opportunities to the students in various activities irrespective of their caste and
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religion. The students also celebrate the different festivals with joy to impart their social and religious harmony. Various sports events and cultural activities organized to promote harmony towards each other's.

- Institution has code of ethics for students which has to be followed by each one of them irrespective of their cultural, regional, linguistic communal socioeconomic and other diversities. In addition, with curriculum, communication and soft skills classes are conducted for the students from different backgrounds to enhance their communication skills.
- Every year NSS/YRC/Rotract club of our institution in association with medical college hospital, Pudukkottai conducted a blood donation camp in the college campus. The interested students and staff took part of the camp and donated their blood as a service to the society. Also conducted various road safety awareness programmes and Tree plantation programmes to encourage students service to the public health, hygiene, safety and clean and green environments.
- Institution shares the infrastructure and resource to the public and governments by providing the examinations centres for various department level and other

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

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

- The Institution undertakes different initiatives by organizing various activities and shared the awareness poster in the official college social media pages.to sensitize students and employees to the constitutional obligation.
- Through "Election Awareness - My vote not for sale" awareness poster shared in the social media groups and remind the days for the election date. Based on this activity will make an awareness among youngsters and parents.
- "Jan Andolan for COVID-19 Appropriate Behaviour Pledge" - Insist the students and their family members get awareness about COVID-19 virus and make them follow the safety protocol.

- The Institution have the policy the students to take "Daily pledge" in the morning. The full support from the students and staff members we made a Tobacco free environment in our campus.
- "Universal Human Values" - AICTE training programme attended faculty members train the students during their Induction Program
- The college provides positive environment to the students to understand issues concerning the society with the result the students feel productive and confident when they walk into work each day.
- Our institution also encourages seminars aiming at developing students' personality and undertakes various activities from time to time to spread social awareness about issues like Communal harmony, health and hygiene, disaster management etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://mzcet.in/naac/AQAR2021/7.1.9_MZ.pdf
Any other relevant information	https://mzcet.in/naac/AQAR2021/7.1.9_MZ.pdf

**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	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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

- The College inculcates tolerance, communal harmony and inclusivity among the students and staff by celebrating the following national and international commemorative days, events and festivals.
- The institution celebrates the birth anniversary of the genius mathematician Srinivasa Ramanujan every year on the 22nd of December, which is also the National Mathematics Day.
- Vigilance Week is observed every year from 31st October to 4th November, in line with the Central Vigilance Commission, to sensitize the students and staff of the College regarding the need to combat corruption and malpractices.
- World Environment Day (5th June) is observed with the planting of saplings. As a part of the Energy audit cell and green campus cell, encourages the students and staff to turn off the non-essential electric lights. Van Mahotsav Week (1-7 July) is organized by administering Green Pledge to the students.
- National Voters' Day (25th January) is observed with the setting up of the Voter Awareness Forum. The NSS also organizes programmes to make the youth aware about their electoral rights.
- The teaching and non-teaching staff of the College observe two-minute silence to pay tribute to the martyrs on the Martyrs Day (30th January).
- The birth anniversary of S. Radhakrishnan (5th September), is celebrated enthusiastically by the students as the Teachers' Day.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

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

TITLE OF THE PRACTICE:

THE STRATEGY FOR ADVANCED LEARNERS

- The Departments organizes various seminars, conferences to provide the opportunities for the students to bridge with the academic and leading industry experts.
- Students were intellectually stimulated with various advanced projects, challenging assignments and tasks for their advancement like webinar, 24 hours workshops, value added courses and certificate courses.
- Motivating the advanced learners to enrich their career, a soft skills training is offered by placement cell for advanced learners to promote their employability skills.
- Online Webinar series is designed for training the students who are innovators, who have a desire to learn more and also to gain benefits.

IN PLANT TRAINING AND INTERNSHIP OPPORTUNITIES

- The ultimate aim of in-plant training is to provide proper industrial training for rural area students.
- As part of the industrial exposure, our institution planned to invite industry people to interact with students and arrange industrial visits regularly and also create opportunity to the student's in-plant training in various industries. It was very challenging for students to get industrial exposure. Some students found it challenging to spend for travel and stay. But their interest to go for industry training was enormous.
- The institution will arrange the in-plant training through Industry Institute Interaction cell to the students those who could not get in-plant training themselves from the industries.

File Description	Documents
Best practices in the Institutional website	https://www.mzcet.in/naac/documents/Best%20Practices.pdf
Any other relevant information	https://mzcet.in/naac/AQAR2021/7.2.1_MZ.pdf

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

- The Institution has taken imitative to enhance the technical learning experiences of the rural based students through series.
- Every year nearly 1000 students benefited from various polytechnic colleges and nearby village schools.
- For Diploma students Technical Workshop series is organized by all the department in the unique topics of Project through Simulation, Circuit Wizard, STAADPRO, Raspberry Pi programming/ Interfacing, Solid works and 3D Printing.
- Project through simulation deals with projects virtual system modeling (VSM) blends mixed mode SPICE simulation.
- Circuit Wizard software known for its excellent circuit design, simulation, PCB design and CAD/CAM manufacturing interface.
- STAAD Pro is a structural analysis and design software that is used for analyzing and designing structures like buildings, towers, and bridges.
- Raspberry Pi is a board computer capable of running Linex and a whole host of applications.
- Solid works is a 3D modeler and utilizes a parametric feature-based approach to create 3D models and Assemblies.
- 3D printing is the construction of a three-dimensional object from aCADmodel.
- For nearby village students organize a soft skill development program by Computer Science and Engineering department and English department.
- Microsoft Office contains a word processor, a spreadsheet program and a presentation program.
- A special communication classes were conducted by English department every year during their vacation period of the schools.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

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 IQAC conference/ 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 Anna University
- To improve communication skills of students
- To provide special coaching for GRE/TOEFL/CAT
- To increase the activities to address locational advantages

and disadvantages

NAAC