YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	Muffakham Jah College of Engineering and Technology
• Name of the Head of the institution	Basheer Ahmed
• Designation	Advisor cum Director
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04023280301
• Mobile no	9849455423
• Registered e-mail	principal@mjcollege.ac.in
• Alternate e-mail	director@mjcollege.ac.in
• Address	8-2-249 to 267, Road No. 3, Banjara Hiills
• City/Town	Hyderabad
• State/UT	Telangana
• Pin Code	500034
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**Self-financing**	
• Name of the Affiliating University	**Osmania University**	
• Name of the IQAC Coordinator	**Mahipal Singh Rawat**	
• Phone No.	**04023280375**	
• Alternate phone No.	**04023280301**	
• Mobile	**9849382960**	
• IQAC e-mail address	**iqac@mjcollege.ac.in**	
• Alternate Email address	**principal@mjcollege.ac.in**	

3.Website address (Web link of the AQAR (Previous Academic Year)	https://drive.google.com/file/d/1jQBU4RObs43ZMQ-thkPcRFDl5xKP4oFh/view?usp=sharing
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.mjcollege.ac.in/academic/academic_calender.php

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B++**	**2.76**	**2020**	**11/03/2020**	**10/03/2025**

6.Date of Establishment of IQAC	**17/10/2019**

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	**NA**	**NIL**	**2021**	**0**

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	3	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
• If yes, mention the amount		

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

Execution of MOU by departments with industry/R&D organizations

Organization of workshops, FDPs, Seminars for faculty and students

New initiatives on solid waste management and green spaces in the campus

workshops on ethics, gender equality, IPR

Life skill programs, internship and campus recruitment training

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
Conduct of 3 - 5 workshops of one week duration per department	34 workshops organized
Conduct of 1-3 seminars of one day duration per department	4 seminars organized
Conduct of 1 - 5 guest lectures of one day duration per department	12 guest lectures organized
Conduct of 4-5 guest lectures of one week duration each per department	13 value added courses organized
Conduct of 5 Add-on certificate programs of 30 hours duration per department	32 Value-added certificate programs organized
Conduct of at least 5 FDPs per department	17 FDPs / Short term training programmes organized
Conduct separate workshops for Professional Ethics, Gender Sensitization and Equality.	1 commom program was organized by ECE department for all the students
Initiate collaborative activities related to Student Internships with different organizations.	4 New MOU's signed for internship
Conduct of campus training program/Career counseling	40 hrs CRT program organized for VI semester students

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

- Name of the statutory body

Name	Date of meeting(s)
Governing Council	24/03/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022	**05/02/2022**

15.Multidisciplinary / interdisciplinary

16.Academic bank of credits (ABC):

17.Skill development:

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

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

20.Distance education/online education:

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**13**

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

2.Student

2.1 Number of students during the year	**3253**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2	**617**
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	**767**
Number of outgoing/ final year students during the year	

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

3.Academic

3.1	**188**
Number of full time teachers during the year	

File Description	Documents
Data Template	No File Uploaded

3.2	**188**
Number of sanctioned posts during the year	

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

4.Institution

4.1	**62**
Total number of Classrooms and Seminar halls	

4.2	**487.41**
Total expenditure excluding salary during the year (INR in lakhs)	

4.3	**862**
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

As an affiliated institution, the curriculum is formulated by the Osmania University through detailed discussions in Board of Studies. However, to keep abreast of emerging technologies, MJCET imparts content beyond syllabus.

Planning:

The three tier planning process adopted includes University Almanac, Institutional Academic Calendar and Departmental Academic Calendar.

Teaching-Learning Process:

Course objectives are disseminated through course-handout. The day-to-day teaching-learning process is driven by tutorials, guest lectures, video classes, workshops, industrial visits, internships and projects as-and-when needed apart from the regular lectures.

Laboratory experiments pave the implementation of theoretical concepts on state-of-the-art equipment. Students take up keystone projects at the end of the course and viva voce enables articulating the acquired knowledge.

Assessment Systems:

Attainment ofCOs and POs is assessed through a combination of direct and indirect assessment tools. Weightage of 40% is accorded to Continuous Internal Evaluation (CIE) and 60% to Semester-End Examination (SEE) for determining the CO attainment. Feedback from students on the curriculum is collected at various stages since it positively impacts the teaching-learning process.

Self-Learning Initiatives:

MJCET is recognized as a local chapter of NPTEL. Students and faculty are encouraged and incentivized to get certified in relevant NPTEL courses. R & D projects, Innovation and Incubation Cell etc. inculcate self-learning; students are encouraged to design and develop prototype models which eventually can be considered as start-

ups.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/1.1.1/1.1.1.pdf

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

The institute has a well-defined operating procedure to develop the academic teaching plans. It follows a precise academic calendar during the academic year which consists of two semesters, each of 16 weeks.

In the beginning of the academic session, students are apprised of the academic calendar which shows the start and end dates of each semester indicating various activities, the internal evaluation schedule and the tentative schedule of external evaluation.

The POs and COs are of utmost importance while preparing the Academic calendar. It is designed in line with Osmania University's Academic calendar, reflecting the holidays and vacation. For unusual holidays or repeated non-working of a particular day of a week,compensatory classes are kept on Saturdays. The unscheduled holidays are compensated on Second Saturdays.

Syllabus completion and CIE take place within the time frame. Remedial sessions are conducted on weekdays and on Sundays. The Academic committee monitors the strict implementation of the Academic Calendar and the gaps identified are conveyed to the Director.

The Head of the institution incorporates minor changes in academic calendar considering the unforeseen circumstances. Due to strict adherence with the academic plan, the institute seldom faces difficulties in completing the curriculum within the time frame.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/1.1.2/1.1.2.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	**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View File](#)
Any additional information	[View File](#)

1.2 - Academic Flexibility

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

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

13

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)

32

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

2097

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

Moral Values, Human Values & Professional Ethics

The first year's curriculum includes a twenty-one-day induction programme that focuses on values and ethics. The compulsory subject "Universal Human Values & Professional Ethics" for the second year and the open elective course "Understanding the Human Being Comprehensively-Human Aspirations and Their Fulfillment" for the final year are both essential components of the curriculum. The third-year curriculum includes the common subject "Industrial Sociology" as well as "Industrial Psychology". After taking these courses, students will be able to appreciate the relevance of ethics and values in their personal, social, and professional lives.

Days of national and international significance are celebrated at our college, such as Republic Day, Women's Day, Independence Day, Teacher's Day, etc. These events enable students to develop moral,

ethical, and social values.

Gender Sensitization Women's Grievance Cell and Grievance Redressal Cell are available at the institution to provide counselling to students, promote gender equity among students, and address associated concerns of safety and security for female students, staff, and professors. CCTV and high-level security are in place on the college campus.

Environment & Ecology The second-year curriculum includes the subject "Environment & Ecology," which focuses on ecosystems, their balance, and long-term sustainability. Environmental awareness is essential for the conservation of the environment and the survival of human existence.

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

300

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	No File Uploaded
Institutional Data in Prescribed Format	View File

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

718	

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://mjcollege.ac.in/naac/aqar/aqar-2020-2021/1.4.1/Stakeholders%20Feedback%20Analysis%20Reports.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 be classified as follows	**A. Feedback collected, analyzed and action taken and feedback available on website**

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/1.4.2/1.4.2%20Action%20taken%20by%20the%20Institute.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

846

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

668

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

MJCET is implementing the two week induction program for the first year students as proposed by AICTE from 2018 onwards. To distinguish between advanced and slow learners, the Class Test is taken as a benchmark.

Special programs for advanced learners:

Advanced learners are identified and they are encouraged to be members of various student chapters like Association for Computing Machinery (ACM), Computer Society of India (CSI), Microsoft Student Society (MSS), Indian Concrete Institute (ICI), Robotics Club, E-Cell, Edification Cell, Engineers Without Borders (EWB), Institute of Electrical and Electronics Engineers (IEEE), Orator's Club, Society for Automotive Engineers (SAE), etc. Some among the members also become office bearers, they are also advised to participate in research and development activities.

Special programs for slow learners:

1. **For the identified slow learners, is a provision for mentoring system, in order to improve the overall performance. By organizing remedial classes in the subjects of difficulty.**

2. **A personality development workshop and communication enhancement classes are organized to express their knowledge.**

Thus it is ascertained that both advanced and slow learners are mentored suitably to cope up with engineering studies.

File Description	Documents
Paste link for additional information	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/2.2.1/2.2.1.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
3253	188

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

Student centric methodologies are central to outcome based education system.Brief description of various student centric methods in vogue at MJCET is presented below:

Internships: Students are required to undergo 4 weeks of internship as a part of the curriculum. They get an opportunity to experience the applicability of the theoretical concepts in solving field problems.

Live Projects: Students are encouraged to take up real time or field

projects in association with industry / R & D organizations for their final year project as well as mini projects.

Service learning projects: Students are encouraged to take up local community projects by identifying the need and requirement of the institutions like schools, slums, NGO's etc.

Competitions: SAE BAJA, Robocon and similar design & fabrication competitions provide an excellent opportunity of experiential learning during their academic life.

R & D projects: Students are provided seed funds / project funding for undertaking innovative R & D projects. Patent applications are filed for selective innovative projects.

Hands on experience: Technical workshops with hands-on sessions in collaboration with industry leaders are offered to the students.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/2.3.1/2.3.1.pdf

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

The Teachers make use of ICT to improve the efficiency and effectiveness of learning at all levels of teaching and learning both formally and informally. By Shifting the emphasis from teaching to learning we create more interactive learning environment for learners.It facilitates the emergence of lifelong learning and teaching experiences. The move from reproductive model of teaching and learning to an ICT model promotes initiative, creativity, critical thinking and research.

It is used for the following purposes:

1. To broadcast material, online facility or CD -ROM can be used as sources of information in different subjects

2.To use the online resource like, email, Chat, discussion forum to support collaborative writing and sharing of information.

3.To facilitate video-conferencing or other form of Tele conferencing to involve wide range of students from distant Geographic areas

4.For blended learning by combining conventional classroom learning with E-learning system

The faculty is utilizing the app "Google Classroom" that aims to create online assignments and also facilitates in posting of material. It can be accessed from any computer via Google Chrome or from any mobile device.All files uploaded by teachers and students are stored in a Classroom folder on Google Drive.

File Description	Documents
Upload any additional information	**No File Uploaded**
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

186

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

188

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

64

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

2273

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.

The internal assessment process is communicated to the students by the respective faculty in the first week of the semester as well as

during orientation program for the first year students.

The assessment of internal marks is done through quality evaluation process by informing students about the class test schedule at the beginning of each academic year through academic calendar as well as through detailed time table of the internal test will be displayed at the college web site and the department notice board.

The question papers of the internal assessment are set based on the course outcomes which are approved by module coordinator/program coordinator. The question paper of the class test also includes weightages of each question with their course outcomes as per the bloom's index.

Every academic year consists of two semesters. Each semester is to be of 16 weeks. The first Continuous Internal Examination (CIE I) also known as Class Test I is conducted after 8 weeks of class work whereas the class test II is conducted near the end of the semester. The assignments given to the students involve unaddressed program outcomes. Due to lockdown internal tests were conducted through Google Classroom platform.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

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

A college level committee is formed comprising of Director, Deans, Principal, Heads of Departments and Associate Heads of Departments to review the conduct of examinations, Evaluation /Assessment of CIE (theory and laboratory exams) and analysis of results.

At department level also a committee is constituted comprising of senior faculty members for smooth conduct of CIE and assessment of theory and laboratory exams.

The answer scripts of all Internal Assessments are shown to the students after evaluation. If they come across any doubts, clarification is given which enables them to fare better in future.

Strict confidentiality is ensured to conduct fair and unbiased evaluation of CIE answer scripts. After valuation work is completed

the marks of test, assignment and tutorial are entered in assessment matrix. Each subject teacher submits the assessment matrix to HOD for consolidating the marks, which is displayed after first and Second CIE, if any grievances is there it can be resolved immediately.

Any grievances related to question paper like repeated questions, improper split of marks, marks missed, during internal exams are addressed to the Head of Department.

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

2.6 - Student Performance and Learning Outcomes

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

The institute adopted Outcome Based Education (OBE) system from December 2013 for the undergraduate courses in Engineering and Technology. Under this method, every course has predefined course outcomes (COs).

The key indicators employed in the implementation of the Outcome Based Education system consist of Course Outcomes, Program Outcomes, and Program Specific Outcomes.

The COs and PSOs are drafted through active participation of the teaching staff and Program Assessment Committee members. The POs are defined by NBA and the same are adopted by all the programs across the institution.

Description of Mechanism used for dissemination

For effective awareness and extensive communication, different dissemination strategies are adopted to convey standards to learners. A few of these include:

- They are prominently displayed on department notice boards and laboratories

- Also communicated through events including induction program, graduation program, orientation day program, workshops,

- seminars and alumni meets.

- During placement training In the departmental news-letter Included in the internal question paper Inside the course handout distributed to students at the beginning of the semester

- A part of the laboratory manuals Included in the annual placement brochure, which is provided to all prospective employers.

- Also displayed on the official college webpage: http://mjcollege.ac.in/cse/index.php

File Description	Documents
Upload any additional information	[View File]()
Paste link for Additional information	**Nil**
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 process for measurement of attainment of the COs, PSOs and POs is formulated at the institution level through a set of assessment tools comprising of direct and indirect methods.

Assessment process adopted for attainment of Course Outcomes:

The CO assessment is carried through combination of Internal and External assessment

Calculation of CO Score

- The CO score for the course is calculated from the weighted average of all the students in accordance to the final Letter grades obtained in the final evaluation

- Threshold for each CO has been adopted to check if the performance of the students has been adequate to meet the respective CO.

Calculation of PO and PSO Score

- **The Direct assessment PO and PSO score for the program is calculated from the weighted average of all the courses in accordance to the PO mapping and the individual relevance of the PO to CO's.**

- **Indirect assessment PS and PSO score is calculated from the Course Exit Survey.**

- **The total PO and PSO score is calculated from the weightage average of both Direct and Indirect assessment PO and PSO scores. 90% weightage being given to the Direct and 10% to Indirect assessment.**

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

2.6.3 - Pass percentage of Students during the year

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

640

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

2.7 - Student Satisfaction Survey

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

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)

9.51

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

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

3.1.2.1 - Number of teachers recognized as research guides

23

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

5

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://hac.ieee.org/funding-opportunities/covid-19-projects/

3.2 - Innovation Ecosystem

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

MJCET has taken several initiatives for the creation of necessary ecosystem to promote innovation and creativity among the students and faculty viz., establishment of

1. Research and Development Cell

2. Institutional Innovation Council(IIC)

3. Student Professional Chapters / Clubs

Established in 2008, the R&D Cell promotes research activities among the students and faculty through "seed-fund" provision to assist the investigators undertake preliminary work of their research proposals leading to the submission of detailed research proposals to funding agencies. Facilitates IPR, MoU signing and research based publication activities. Sufficient yearly budget is earmarked.

Under the knowledge creation initiatives, apart from having Incubation centres, Entrepreneur cell, many Advanced centres with state of the art equipment to foster research activities have been established viz.,

Advanced Centre for Drone Technologies(EEE),

Centre of Innovations in Robotics(ECE),

Centre for 3D Printing(ECE),

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Advanced Centre for Innovative Computing(CSE,CS & AI and IT),

Advanced Centre for Solar Applications(EEE),

Centre for Smart Learning (All branches)

Centre for promotion of Entrepreneurship(All Branches),

Centre for Vehicle Fabrication(MECH),

Centre for Non Destructive testing and evaluation(CIVIL).
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File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://mjcollege.ac.in/R&D/index.php

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

6

File Description	Documents
Report of the event	[View File](#)
Any additional information	**No File Uploaded**
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://mjcollege.ac.in/R&D/index.php
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

22

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

30

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

Promoting institute's vision of developing ethical and socially responsible engineers who contribute to society and work in harmony with nature, various bodies and clubs like IEEE student

chapters(IEEE-SB), Computer Science Society of India (CSI), Robotics Club(RC), Engineers Without Borders(India), Institute of Engineers(India), and E-Cell undertake neighbourhood activities to improve their living. IE(I): a multidisciplinary body of civil, electrical and instrumentation engineering students conducts awareness programs against social evils. RC: Provides robotics related knowledge sharing, skill development activities facilitating students in projects and state/national competitions and setup of Robotics Clubs at other colleges. Nine programs are done under EWB(India) which focuses on awareness creation for societal and humanitarian issues. IEEE-SB: with its different chapters has conducted one event for both technical and learning based programmes thus enabling them to contribute to society. CSI : with its mission to accelerate research, knowledge sharing, learning and career enhancement for all categories of IT Professionals, while simultaneously inspiring and nurturing new entrants into the industry and helping them to integrate into the IT community has conducted a computer technology awareness program in school.

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

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

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

4

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

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

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

14

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

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

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

555

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

3.5 - Collaboration

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

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

457

22-12-2024 08:08:53

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

21

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 institution has adequate academic facilities meeting all the specified requirements of approval authority norms, for efficient and effective delivery of curriculum. The entire Campus is Wi-Fi enabled.

Teaching-Learning Facilties:

Classrooms:

The institute has furnished, spacious, well illuminated and ventilated 46 classrooms, 12 tutorial rooms and 2 drawing halls.

Laboratory and Workshop Facilities:

Adequate laboratory and workshop facilities exist for carrying out all the experiments as per the curriculum. Advanced equipment for R&D work is also available.

Seminar Hall & Auditorium:

The college has one seminar hall, one auditorium and one conference hall to conduct seminars, conferences, guest lectures, workshops; all equipped with LCD projectors, whiteboards, and PA Systems.

Computing Facilities:

Each department has its own computing laboratories fully equipped with the latest computer systems, printers, scanners and relevant license software and internet connectivity. The college has also established specialized facilities like Center for Innovative Computing, Center for Smart Learning, Graphics Lab, Digital Library etc.

Library Facilities:

The Central Library with 17627 titles and 63348 volumes and subscription to 3 databases offers an excellent environment for academic pursuits. The library has reference section and Computer Centre. Each department has its own departmental library with limited number of books.

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

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

The Institution in its endeavour towards all-round development of students, has established infrastructure for physical, technical and social development. The facilities are made available even beyond college hours.

- For physical development the two important areas are sports and gymnasium. The Institution has a Department of Physical

Education headed by the Physical Director for coaching the students and staff members to practice and participate in various State and National level competitions.

- The college campus has Indoor games facilities like: Table tennis, shuttle, badminton, caroms, and chess.

- The out-door game facilities are: Football, Volley Ball, Basket Ball, Throw Ball, Tennis, and Cricket.

- The Institution gymnasium facility includes mini gym of 12 stations, multi gym of 4 stations, exercising cycle of three different sizes, two bench presses, parallel bar and complete weight lifting and training sets.

Auditorium: Auditorium built on 10,000 Sft has a seating capacity of 1200 is used for organizing cultural activities, student technical festivals like Adsophos, Hackathon, Graduation Day, Annual Day etc.

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

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

62

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

`35,65,785`

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 Institution Library is fully automatedby INFLIBNET SOUL SOFTWARE.The Software is also linked to Online University Library (SOUL 2.0) developed by INFLIBNET undertheinitiativeofMinistryofHRDG ovt.ofIndia.Thefollowingarethemajorfeaturesandfunctionalitiesof the soul 2.0 software:`

1. `Acquisition`
2. `Cataloguing`
3. `Circulation`
4. `Serial control`
5. `OPAC`
6. `Administration`
7. `Bar-coding`

`Library Resources are accessible to Students and Staff in physical mode and on-line mode. The Digital Library has 18 systems with internet connectivity to access the digital content like NPTEL Video Lectures, MIT Open Courseware, e-Books and Projects.`

`The Institution Central Library spanning over a plinth area of 1,070 Sq. m.(11,520 Sq. f.) has thefollowingsections:Circulationsection,Te xtbookssection,ReferencebooksSection,Reading section, Journals& Periodicals section, News Papers, OPAC, Digital Library, Technical section,and Photo copying section.`

The Library is open even beyond College working hours upto 7.00PM.The Central Library has17627 titles and 63348 volumes and subscription to 3databases.

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

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

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

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

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

18.91371

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

507	

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

The various IT facilities are upgraded to meet the Curriculum delivery requirements and also enable effective communication for students and staff to perform their tasks efficiently and access latest information and knowledge resources. The campus is completely Wi-Fi enabled, making it possible to access the internet resources from anywhere in the campus. Presently the campus has Optical Fiber Internet leased line of 500 Mbps

The Institution has a policy to replace ten years old computers with new computers. The computer laboratory LAN hardware are periodically replaced with the latest versions. Older switches have been replaced with intelligent Layer-2 and Layer-3 switches and routers. Old CAT-5 LAN cables are replaced with latest CAT-6 cables.There are 8 servers,1 Router,40 switches

The operating system of all the computers on the Institution campus is governed by Microsoft Campus Licensing Agreement, according to which all the computer are automatically upgraded to the latest operating system released by Microsoft.

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

4.3.2 - Number of Computers

889

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	**No File Uploaded**
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)

34,882,732

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.

The College has well established procedure of maintaining and utilizing academic and support facilities.

Classrooms/Tutorial rooms/Seminar halls: Before semester commencement, incharge inspect the classrooms/tutorial rooms for the adequacy of furniture. Classrooms are equipped with LCD projectors.

Laboratory: Laboratory facilities exist as per curriculum. Each Laboratory is managed and maintained by a teaching/non-teaching faculty. Proposals for purchase of new/repair/maintenance equipment are prepared by the concerned lab in-charge. HOI after receiving the proposals from all the lab in-charge/HoDs calls the Purchase Committee for their approval and purchases/repairs/maintenance.

Computers & Computer Centers: Each department owns computer laboratories with systems, license softwares and internet connectivity. All faculty members are provided with PC with internet, campus is Wi-Fi enabled. The college has established computer centers viz. 'Center for Innovative Computing/Center for Smart Learning/Digital Library.

Library: The Central Library have 17627titles/63348volumes and subscription to 4 databases. The Central Library Committee recommends the purchase of new editions/volumes and Librarian presents these recommendations and finalizes the purchases.

Sports Complex: Central Sports Facility for in-door and out-door games is available in the campus for students/staff and maintained by physical director.

Institution provides various other services/facilities like RO Water Plant / Fire fighting System/Dispensary/320&62.5 KVA generators etc., which are maintained by AMC.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1989

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

7

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://mjcollege.ac.in/naac/aqar/aqar-2020-2021/5.1.3/5.1.3.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
2594
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year
2594

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

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

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

5.2 - Student Progression
5.2.1 - Number of placement of outgoing students during the year
5.2.1.1 - Number of outgoing students placed during the year

298

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

197

File Description	Documents
Upload supporting data for student/alumni	[View File](#)
Any additional information	**No File Uploaded**
Details of student progression to higher education	[View File](#)

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

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

103

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.

47

File Description	Documents
e-copies of award letters and certificates	[View File](#)
Any additional information	**No File Uploaded**
Number of awards/medals for outstanding performance in sports/cultural activities at 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)

The institution elicits the support of its students along with other stake holders in the functioning of various academic and administrative bodies.

The Student Edification Cell is one such body which is involved in the academic and social development of the student community.

Department Advisory Board: The Advisory board of each department comprises of representatives of all stake holders like society office bearers, principal, head of the department, senior staff members, parents, alumni personnel from industry, and students.

IQAC:The IQAC has 4-6 student nominees on the committee in order to have representation from all stakeholders.

Library Committee: The library committee is formed by the group of two students from every section, along with the department faculty in-charge, the heads of respective departments, Principal and the Librarian.

Anti-raging committee: The institution has an active anti-ragging

committee which consists of faculty, staff and four students.

Women's Grievance and redressal Cell:

Grievance and redressal committee for SC /ST:

File Description	Documents
Paste link for additional information	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/5.3.2/5.3.2.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

23

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
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

The MJCET Alumni Association (MJCETAA) was established in year 2001 vide Ref No: 4036/2001 with the office of the Registrar of Societies, Hyderabad. The Alumni Association provides a common platform for the interface between Alumni and Current students and faculty of the college. The Aims and Objectives of Alumni Association are as follows.

To help materialize the vision of the college. To reach out to all

the alumni of MJCET and bring them under the folds of MJCET Alumni Association. To extend welfare measures to the deserving students by the way of scholarships based on merits. To organize talk on career opportunities by eminent personalities in their respective fields. To facilitate the Alumni and staff who have excelled in performance in their areas of operations.

The activities of the MJCET Alumni Association organizes two big events every year. Further there are Alumni associations established in USA and Canada and they also organise regular meetings. There is a healthy interaction between college management and representatives of the USA and Canada groups. A concentrated effort to support the needy students with scholarships and also provide assistance to students in their research is being done. The college has consolidated a list of students who have been adversely affected due to covid and provided the same to the US and Canada alumni with request to support these students.

Number of Alumni enrolled - 2107

File Description	Documents
Paste link for additional information	NA
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	A. ? 5Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

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 of the institution is in tune with the current global perspectives which place a high premium on sustainability, environment, innovation and social responsibility. The mission of the institution lays down the guidelines for realization of vision by providing framework in areas of pedagogy, R & D, collaboration, innovation, entrepreneurship, soft skills and national building.

Governance

The administrative philosophy of institution is geared towards the attainment of vision through well formulated mission statements. Founding members represented varied facets of intelligentsia and established rich and transparent administrative culture from the inception.

BOG

Board of Governors of SUES is the highest decision making body of the society and its subordinate and affiliated institutions. It meets once a month takes up the recommendations of the governing council.

Governing Council:

Is the highest decision making body at the college level. The Hon. Secretary steer the recommendations of the GC in the BoG. Principal of the college discuss and adopt all academic, administrative and financial initiatives.

Principal and HODs:

The local leadership at college level is provided by Advisor-cum-director, Principal, Deans, Registrar and HODs, who are responsible for the day-to-day functioning of academic and administrative aspects of institution in accordance to GC directions.

File Description	Documents
Paste link for additional information	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/6.1.1/6.1.1.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.

Decentralization and participative management is ingrained in the administrative functioning of the institution.

Participative management is an open form of management where the employees are actively involved in the conceptualization as well as implementation of various academic and administrative

responsibilities. Hence, this form of management represents collective decision making which involves the Director, Heads of the Departments, Coordinators, Laboratory incharges and section incharges. The faculty and staff are treated as facilitators who deal directly with the students and meet their needs.

Decentralization in functioning is emphasized by the administrative structure consisting of Boards of the Governors at the helm of the hierarchy, followed by the Governing Council at the college level. In most of the instances a bottom-up approach of administration is followed wherein the inputs come from the lower levels of hierarchy through departmental level faculty and staff meetings held periodically to discuss matters related to academics, administration and infrastructure augmentation. The inputs from the Departmental meetings is placed by the respective heads in the HODs meetings which are also held periodically. The decisions taken in HODs meeting are put up in the Governing Council which recommends them for approval of the BOG.

File Description	Documents
Paste link for additional information	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/6.1.2/6.1.2.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Development Plan is drawn in light of the institutional vision and mission. Major thrust areas and actions are identified in the strategic development plans drawn every three years since 2007. The institution has successfully achieved most of the targets over the past decade with the result that the college has most recently been ranked in the 151-200 band by NIRF (National Institutional Ranking Framework), 50th rank among 175 Engineering Institutes survey 2021 and got 40th rank among top 125 private Engineering colleges in India. Muffakham Jah college of Engineering and technology has bagged 39th spot in the list of top 100 private engineering colleges in India. The list has been released by English magazine "India Today" in its July 2021 issue.

The strategic development plans have consistently identified introduction of Post Graduate courses and Research centers, Reaserch and Development, faculty development, and innovation, incubation

center, patents & start ups as the key elements for attainment of excellence. The untiring efforts of the past decade have borne fruit and the institution has achieved excellent outcome in this area.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The Institution was founded by the Sultan ul Uloom Education Society in the year 1980. The organization has a Governing Body led by a Chairperson and is supported by a Vice Chairperson, Honorable Secretary, Joint Secretary, Treasurer & rest of the committee members. The Board of Directors of Sultan Ul Uloom Education Society is constituted on the basis of the Society act, Government of Telangana.

It discusses various educational and administrative matters and makes recommendations to the Board of Governors. College administrators are empowered by delegating power to the Advisor Cum Director, Principal, Dean, Heads of Departments, and Head of sections. They are authorized to make all educational decisions in accordance with the rules and regulations laid down by Osmania University as well as the society. Issues of various departments are discussed at Heads of Departments before a decision is made. Any changes in the rules and regulations are communicated to all Heads of Departments by notice. Heads of Departments also liaise with their various teaching and non-teaching staff.

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the institution webpage	https://mjcollege.ac.in/naac/docs/OrganisationalStructure.pdf
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	**B. Any 3 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

Teaching:

College Management endows with benefits like Employees Provident Fund, Group Medical Insurance, internet & Wi-Fi facility. Casual Leave of 12 days, Earned leave of 6 days, Medical leave of 10 days, Half-Pay leave and Extra-ordinary leave, and 6 weeks of vacation in a year, paid Maternity leave, On-duty facility for attending workshops & conferences, Tuition Fee concession of 50% to one child, Rs. 3000/- per for attending Workshops & FDP's, fee reimbursement for NPTEL courses, Rs.15,000/- per year for paper-publications, 60-80% amount for consultancy work, Membership of Professional bodies. Rs. 5000/- after completing Ph.D. Library facilities, e-journals facility. Central Sports & physical-fitness facility.

Non-Teaching:

Medical Reimbursement, Festival advance Rs.8000/-, Group Medical Insurance, Casual Leave - 12days, Earned leave - 6days, Medical leave - 10days, Half-Pay leave and Extra-ordinary leave, and 6-weeks of vacation in a year. Water Treatment Plant, water coolers, vegetarian and Non-vegetarian Canteens, Dispensary for medical emergency, first-aid, doctor's consultation and basic medicines free of cost.

Students:

Organizing 2-weeks of induction program for first year students, Students are encouraged to get involved in R&D projects, participation in seminars, conferences and paper publications. Student mentoring to monitor academic performance, personality development workshop is also conducted regularly.

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

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

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

12

File Description	Documents
Upload any additional information	**No File Uploaded**
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

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

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

115

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

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

Teaching Staff:

Annual Faculty Performance Appraisal system evaluates the

performance of Faculty member every year, measured against well-defined parameters. The score is used to identify strengths and weaknesses and provides an opportunity for improvement.

The comprehensive appraisal system consists of Self-Appraisal, and Evaluation by HoD & HoI.

Self-Appraisal by Faculty member is a major component; faculty member is required to submit self-appraisal as per well-defined guidelines, along with supporting documentary proofs. The HoD certifies the correctness of information and a committee chaired by Dean(Academics) ratifies the same. In self-appraisal: Mandatory Parameters score-100, Essential Parameters score-100 and Desirable Parameters score-150. Thus, maximum score is 350 and Mandatory Parameters represent the bare minimum compliance expected for serving the institution.

HoD provides maximum score of 10 based on faculty members performance, commitment towards students & Department, sincerity in discharging of academic and administrative duties.

HoI provides maximum score of 5 based commitment of the faculty member towards the institution and contribution towards the overall Institutional development.

Non-Teaching Staff:

Annual performance appraisal of non-teaching staff is based on the confidential report submitted by the Laboratory Incharge / Head-of-Department / Administrative Officer. The format specified by Osmania University is followed by the institution.

File Description	Documents
Paste link for additional information	Nil
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

MJCET has an established mechanism to monitor efficient use of financial resources. It has transparent audit system run by the

management of SUES who appoints auditors for conducting its financial audits on a regular basis. The college conducts internal audit every year in the month of December and January. The auditors and their team verify the income, expenditure details and transactions of tuition fee, bank statements, verification of ledgers, general registers, salary-statements and cash-books. Further, stock registers are also verified against the receipts and challans maintained by every departments. The auditors prepare auditing statement and submit a thorough report to the management. This report comprises of financial statements like balance sheet, trail-balance, income and disbursement accounts, receipts and payments, utilization of funds for the benefit of staff and students.

The management also appoints chartered accountant regularly as per government rules for scrutiny and re-verification of all income and expenditure. This is done by preparing final balance sheet for audited statement at the end of every financial year. Any objections raised by auditors are submitted to the management and complied by the accounts department of the institution. All these mechanisms exhibit transparency in financial matters and adherence to financial discipline.

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

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

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

Rs 3,50,598.925/-

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 institution is self-financed and does not receive any grants or donations. The institution generates financial resources through tuition fees, interest on funds, and some of which is refunded by the government of Telangana. The student's tuition fee is fixed by the AFRC Telangana State Fee Regulatory Commission. The AFRC fixes the tuition fee as per the expenditure incurred by the institute and projections for next three years by verifying the required documents. The projection also includes projected salaries of staff, increments and dearness allowances, R & D funds, etc. The other sources of income are sale of admission forms, consultancy works, rent from its premise like ATM & banking services, leasing the space to canteen, food stalls, stores, billboards through hoardings and sale of scrap.

The college prepares the annual budget to ensure optimal utilization of resources by conducting departmental meetings and present it to BoG. Based on the requirements, infrastructure and IT resources and Library facilities are upgraded every year. Peons are appointed for the cleanliness of college. Funds are also allocated for social service activities like UBA. Budget is prepared and renewed annually in consultation with BoG of the institution, heads, and in-charges of all departments.

File Description	Documents
Paste link for additional information	**Nil**
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

File Description	Documents
Paste link for additional information	**Nil**
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

File Description	Documents
Paste link for additional information	**Nil**
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)	**C. Any 2 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	https://mjcollege.ac.in/linksection/annualreport.php
Upload e-copies of the accreditations and certifications	**No File Uploaded**
Upload any additional information	[View File]()
Upload details of Quality assurance initiatives of the institution (Data Template)	**No File Uploaded**

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

Response: Gender Sensitization is a critical issue which needs to be addressed at various levels. It is recognized that gender discrimination is a part of gender sensitization. Some of the efforts made by the institution in this area are presented below.

1. Safety and Security: The institution exercises utmost concern regarding safety and security of the women students and staff.

    ◦ The campus has a liberal number of security personnel posted at all key locations.

    ◦ For specific complaints, the women students and faculty can approach the Women's Grievance Cell.

    ◦ An active Anti-Ragging Committee is functional with senior staff and students as members.

2. Counseling and mentoring : The institution has implemented a comprehensive mentoring procedure for monitoring the student progress. A qualified Psychologist is available on the campus.

3. Women's Common room :A separate Common Room for female students is available with following facilities:

    ◦ Resting area

    ◦ Wash rooms

    ◦ Wash basins

    ◦ Sanitary pad vending machine and incinerator in the women's toilets

    ◦ Two female attendees who are available during college timings

4. Day Care Centre for young children

An independent day care facility for the children of our staff members with a spacious play area in the campus is available.

File Description	Documents
Annual gender sensitization action plan	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/7.1.1/Action%20Plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/7.1.1/7.1.1%20proofs.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	**No File Uploaded**

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

7.1.3. Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid Waste Management**

- **Liquid Waste Management**

- **Biomedical Waste Management**

- **E-Waste Management**

- **Hazardous Chemicals and Radioactive Waste Management**

Response: The most commonly handled wastes are: solid, liquid and e-waste. The steps taken by MJ College towards management of these

wastes are described below:

Solid Waste Management: the solid wastes are collected thru dust bins with help of Sweepers. The waste is disposed at designated collection point and GHMC Garbage vehicle regularly collects the waste. The other wastes such as newspapers, papers, cartons, etc. are disposed systematically thru a scrap dealer for recycling.

Liquid Waste Management: The campus adopts water borne sewerage system in the campus which consists of underground network of sewer pipes with manholes. The black waste water from washrooms is directly discharged in to the sewerage system connected to the underground sewerage system of GHMC. The waste water from RO plant is directed to a sump for gardening purpose.

E-Waste Management: The old configuration computers are supplied to high schools run by SUES for computer skills to school students. Believing in reuse and recycle, printer cartridges are refilled by AMC people under annual AMC agreement.

Hazardous Chemicals and Radioactive Waste Management: the hazardous chemicals are carefully categorized and kept safe in designated cupboard in chemistry laboratories with warning sign boards for safety of staff and students.

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	No File Uploaded

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. **Restricted entry of automobiles** 2. **Use of bicycles/ Battery-powered vehicles** 3. **Pedestrian-friendly pathways** 4. **Ban on use of plastic** 5. **Landscaping**	**A. Any 4 or All of the above**

File Description	Documents
Geo tagged photos / videos of the facilities	[View File](#)
Various policy documents / decisions circulated for implementation	**No File Uploaded**
Any other relevant documents	**No File Uploaded**

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	**A. Any 4 or all of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	[View File](#)
Certification by the auditing agency	[View File](#)
Certificates of the awards received	**No File Uploaded**
Any other relevant information	[View File](#)

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	**B. Any 3 of the above**

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

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	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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

The institute has zero tolerance policy towards any discrimination based on cultural and regional differences. Students of all the communities and linguistic are studying in the institute without any discrimination. To promote tolerance and harmony among students towards cultural, regional, communal and socioeconomic diversities the institute organises multiple events in the campus which inculcates unity and harmony in the campus.

The institute has organised Bathukamma festival which is a flower festival celebrated prominently in Telangana which symbolises blessings for crop harvesting. Eid Milap was organised for all the teaching and non-teaching staff to represent the celebration of Ramzan month.

Apart from regional festivals the institute also organises traditional day and cultural programs at college level so as to inspire students into accepting each other's cultural diversities.

Orators club of English department has arranged a 3 day event called speakers showdown on the occasion of English literature day to show the importance of English language.

To support economically backward staff and students, a free vaccination drive was organised in the campus where free covid vaccine was provided to one and all.

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

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

The students and the staff of Muffakham Jah College of Engineering and Technology (MJCET) are made aware of the constitutional obligations such as values, rights, duties, and responsibilities of citizens by organizing various programs on culture, traditions, values, duties, and responsibilities and by inviting eminent scholars. MJCET has conducted various awareness programs on the ban on plastics, plantation drive, etc. involving students. Various webinars are conducted on gender sensitization, human ethics and values to equip the students with the knowledge, skill and values of constitution. This enables them to strike a balance between a livelihood and life. MJCET emphasizes on the code of conduct prepared for the staff and the students. The affiliating University curriculum is framed with mandatory courses like Indian Constitution, Essence of Indian Traditional Knowledge, as a small step to inculcate constitutional obligations among the students. At MJCET, "National Integration Day" is celebrated to promote the "Unity in Diversity" of our motherland. MJCET has also adopted 5 villages for their development under Unnat Bharat Abhiyan a MHRD initiative.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/7.1.9/7.1.9.pdf
Any other relevant information	**Nil**

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts	**A. All of the above**

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

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

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

The college believes in celebrating events and festivals in college. It is an integral part of learning and building a strong cultural belief in a student. The College makes tremendous efforts in celebrating the national and international days, events and festivals throughout the year. In academic year 2020-2021, we celebrated the following days like World Environment Day, Independence Day, Republic Day, and Engineers day, National Science Day and Birth Anniversary of Mahatma Gandhi.

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.

To fulfill the Vision and Mission of the Institution, the best practices have contributed for better academic and administrative functioning of the college. The institution promotes many best practices to improve the quality of education and teaching-learning process. It leaves no stone unturned to make the future of the students bright and excellent.

Best Practice 1: Pedagogical Approaches using IT/ICT tools

1. Flipped Classroom

2. Experiential Learning

3. Learner-centric approach

4. Think-Pair-Share

5. Inquiry Based Learning

6. Story BoardLearning

7. Career Vision Approach

8. BlendedLearning

Best Practice-2

1. Students Projects catering societal needs.

2. Course-based projects, Certificate Courses, MJ HUB and Entrepreneurship Development Cell motivate students to incubate their ideas. Centres of Excellence are established in every department identifying the respective domain expertise.

Evidence:

Projects like "Channel Codebook Design for mm-Wave MIMO Systems", was published in JCR-Scopus indexed journal-2020.The Department of Chemistry has successfully designed, developed and completed the pated project titled"Process and System Efficient Biodiesel Production"which has been granted Indianpatent no: 372207. Dt : 31-12-2019 for a period of 20yrs . The Project titled "Preparation

of Boro Zinc glasses for radiation shielding applications" can be used in gama ray shielding applications in different fields such as Nuclear energy.

File Description	Documents
Best practices in the Institutional website	https://mjcollege.ac.in/naac/aqar/aqar-2020-2021/7.2.1/7.2%20BP%201-2.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Industry Professionals

MJCET has recruited professionals with vast experience in Central Government R & D organizations like BHEL as faculty members.

University Ranks

Students consistently secure top university ranks. The class of 2020 has secured 37 University ranks.

Green Campus & Modern Infrastructure

MJCET has undertaken a "Green Campus" initiative seeking to take a holistic approach to campus sustainability. Its main focus is on campus flora fauna, restricted entry of automobiles, Pedestrian Friendly pathwaysand Landscaping with trees and plants. MJCET boasts state of the art infrastructure in Library, Computing facilities, Sports facilities and R & D.

NPTEL

During 2020-21, 17 Faculty members and 39 Students have completed NPTEL certification. The institution secured 20 Silver and 04 Gold certifications.

Tech-school connects: MJCET propagates hands-on learning where

engineering students collaborate with high school students to create innovative models addressing real life problems.

Helping hands

To inculcate the qualities of empathy, generosity, kindness and charity in students, helping hands was initiated in MJCET. Student's initiate to support the needy during the Covid period.

Ideation Contest from E-cell and IIC: MJCET E-Cell and IIC is a manifestation of the efforts, ideas, dreams and aspirations of people who are associated with it.

File Description	Documents
Appropriate web in the Institutional website	**No File Uploaded**
Any other relevant information	[View File](#)

7.3.2 - Plan of action for the next academic year

1. An International Conference is being planned during December 2022.

2. IEEE International Conference is being planned during October 2023.

3. Extension of the present Medical infrastructure is being planned on a largerscale.

Presently the college has one doctor and one medical assistant with a small

dispensary and patient room. New facilities will include heat stroke room,

ambulance, a lady nurse and helper staff.

4. Extension of Biogas plant.

5. Introduce Information and communications technology (ICT) ways oflearning.

6. Introduction of smart boards in all classrooms, seminar halls and conference rooms.

8. Extension of R & D activities:

MJCET is a recognized research center of OU. The college plans to encourage further research and patent work and also introduce a more attractive Incentive research scheme.

9. New labs for all departments as per emerging technologies. For example AI & ML, Cyber security, AI & DS etc. requires separate labs.

10. A sports complex is being planned with the state of art technology for indoor and outdoor activities.

11. To apply for autonomous status

12. Acquire "deemed to be university" status

13. Achieve NAAC A++ Grade