YEARLY STATUS REPORT - 2023-2024

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	Prof. Mahipal Singh Rawat
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04023280375
• Mobile no	9121000872
• Registered e-mail	principal@mjcollege.ac.in
• Alternate e-mail	iqac@mjcollege.ac.in
• Address	8-2-249 to 267, Road No. 3, Banjara Hills
• 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	**Prof. Mohd Hamraj**
• Phone No.	**04023280321**
• Alternate phone No.	**04023280305**
• Mobile	**9290929482**
• 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://mjcollege.ac.in/aqar
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://mjcollege.ac.in/academics-calendar

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A+**	**3.3**	**2024**	**14/02/2024**	**13/02/2029**
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/Depa rtment /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Haseeb Khan	Project funding	MSME, Govt. of India	2024. 18 months	15 Lakhs
Dr. Shaik Kareem Ahmed	Yukti Innovation Challenge	MIC- AICTE, Govt. of India	2024, 24 months	5 Lakhs
Dr. Hemalatha	Yukti Innovation Challenge	MIC- AICTE, Govt. of India	2024, 24 months	4 Lakhs

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	2	
• 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)

Facilitate MOU signing between various departments and industry/R&D organizations to strengthen industry-institute interaction.

Activities under National Service Scheme (NSS) and Unnat Bharat Abhiyan (UBA) were taken up as part of outreach program.

Initiated conduct of Workshops, FDPs, Seminars, and Industrial / Field Visits for faculty and students.

Promoted conduct of student technical events.

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	**workshops organized**
Conduct of 1-3 seminars of one day duration per department	**seminars organized**
Conduct of 1 - 5 guest lectures of one day duration per department	**guest lectures organized**
Conduct of 4-5 guest lectures of one week duration each per department	**value added courses organized**
Conduct of 5 Add-on certificate programs of 30 hours duration per department	**Value-added certificate programs organized**
Conduct of at least 5 FDPs per department	**FDPs / Short term training programmes organized**
Conduct separate workshops for Professional Ethics, Gender Sensitization and Equality.	**common program was organized for all the students**
Initiate collaborative activities related to Student Internships with different organizations.	**New MOU's signed for internship**
Conduct of campus training program/Career counseling	**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	**04/07/2024**

14.Whether institutional data submitted to AISHE	
Year	Date of Submission
2024	18/12/2024

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   **12**

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

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

2.Student

2.1   **3533**

Number of students during the year

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

2.2   **656**

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   **656**

Number of outgoing/ final year students during the year

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

3.Academic

3.1   **176**

Number of full time teachers during the year

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

3.2   **176**

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**12**

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

2.Student

2.1 Number of students during the year	**3533**

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

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**656**

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

2.3 Number of outgoing/ final year students during the year	**656**

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

3.Academic

3.1 Number of full time teachers during the year	**176**

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

3.2 Number of sanctioned posts during the year	**176**

File Description	Documents
Data Template	<u>View File</u>

4.Institution

4.1 Total number of Classrooms and Seminar halls	**62**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**74.53**
4.3 Total number of computers on campus for academic purposes	**862**

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 developed by Osmania University through discussions in Board of Studies meetings.

Planning: A three-tier planning process is followed to ensure effective curriculum delivery: University Almanac, Institutional and the Departmental Academic Calendar. The University Almanac provides a broad framework of academic planning applicable to all affiliated colleges. The Institutional Academic Calendar, prepared by the Head of the Institution, incorporates both university events and additional institutional timelines. Lastly, the Departmental Academic Calendar outlines specific activities and events planned by the department, ensuring alignment with both institutional and university schedules.

Teaching-Learning Process: Effective curriculum delivery begins with clearly communicating course objectives through course hand-

outs and lecture schedules. The day-to-day teaching and learning process is enriched through tutorials, guest lectures, videos, seminars, workshops, assignments, and projects, in addition to regular lectures. Laboratory experiments allow students to reinforce theoretical concepts by applying them practically.

Assessment Systems: Through Outcome-Based Education the assessment of attainment of Course Outcomes and Program Outcomes is carried out using a combination of direct and indirect assessment tools. The Continuous Internal Evaluation is given a weightage of 40%, while the Semester End Examination (SEE) carries 60%.

Self-Learning Initiatives: The college is recognized as a local chapter of NPTEL, where students and faculty are encouraged to earn certifications in relevant NPTEL courses. The institution also promotes self-learning through its R&D projects and the Innovation and Incubation Cell

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://mjcollege.ac.in/naac/2023-24/1.1.1/MJCET-AQAR-2023-2024-1.1.1.pdf

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

Muffakham Jah College of Engineering & Technology adopts three-tier planning process to ensure that the academic events and activities are systematically organized and communicated across different levels. Firstly, the university almanac is a comprehensive framework of academic planning that is common to all affiliated colleges containing information regarding academic sessions, examinations, holidays etc. Muffakham Jah College of Engineering & Technology refers to this framework to prepare the institutional as well as departmental calendars. The Institutional Academic Calendar also includes specific institutional programmes in addition to the events outlined by the university. The Continuous Internal Evaluations (CIEs) are conducted as per the almanac given by the university. The department academic calendar complements the Institutional Academic Calendar and makes sure that all the department activities are synchronized with broader institutional timelines. This layered approach is beneficial for effective planning and ensures clarity and alignment of academic

priorities.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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

B. Any 3 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

14

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)

21

File Description	Documents
Any additional information	**No File Uploaded**
Brochure or any other document relating to Add on /Certificate programs	**No File Uploaded**
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

1253

File Description	Documents
Any additional information	**No File Uploaded**
Details of the students enrolled in Subjects related to certificate/Add-on programs	[View File](#)

1.3 - Curriculum Enrichment

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

The university's curriculum incorporates a range of cross-cutting issues relevant to Environmental Science.

Environmental Science:

Environmental Education is mandated by the University Grants Commission (UGC) in India to promote awareness and understanding of environmental issues among students. Osmania University, being a prominent educational institution, integrates this subject in affiliated colleges to adhere to these guidelines. As responsible citizens the engineering students must be aware of the critical environmental challenges like climate change, deforestation, urban pollution, water scarcity and biodiversity loss. The course often promotes research and innovation. As engineers learners are encouraged to explore innovative solutions to environmental challenges, which can contribute to academic growth and practical

applications. The course is aligned with MJCET's broader vision of creating 'ethical and socially responsible engineers who meet the global challenge of building a modern society in harmony with nature.'

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

16

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

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

1626

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/page-feedback
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	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

824

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

601

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

Muffakham Jah College of Engineering and Technology is dedicated to fostering an effective teaching-learning environment, with flexible curricula that support student success. The institution offers extra lectures and remedial classes for academically weaker students, while motivating high achievers to excel further.

Identifying Slow and Advanced Learners:

Objective:

- **Assist underperforming students in reaching academic goals.**
- **Recognize high achievers and provide support for higher studies, industry placements, or public sector opportunities.**

Identification:

- **Faculty create detailed lecture plans and assessment schedules.**
- **Students scoring below 45% in assessments are classified as Slow Learners, while those scoring above 75% are identified as Advanced Learners.**

Action Plan:

- **Slow Learners: These students will receive counseling and must attend remedial classes. The schedule for these classes will be provided by faculty, who may offer individual or group sessions based on performance review.**
- **Advanced Learners: Faculty will identify these students, and**

the HoD will encourage mentors to guide them through
research projects, publications, or industry-based work.
Students will also be encouraged to attend advanced
workshops or training.

Re-evaluation: Slow Learners will be reassessed after remedial
classes, with further counseling and individual sessions if
needed. Faculty will report progress to the HoD

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

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

Number of Students	Number of Teachers
3353	186

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

The teaching-learning process in engineering education blends
traditional and modern methods to ensure holistic development.
Experiential learning, participative learning, and problem-solving
methodologies are key approaches. Students tackle real-world
challenges through research projects, internships, and capstone
projects, focusing on eco-friendly and sustainable solutions.

Workshops, seminars, and guest lectures are regularly organized to
expose students to the latest industry trends, while laboratory
courses allow hands-on practice to reinforce theoretical concepts.
Continuous assessments through assignments, quizzes, and tutorials
provide personalized support, helping students gain clarity and
confidence. Comprehensive question banks, combined with ICT tools
like simulations and animations, further enhance understanding and
engagement.

Specialized industry-oriented courses, such as STAAD Pro, ETABS, and QGIS, equip students with advanced skills to address real-world problems. Programs like Engineers Without Borders encourage students to contribute to solving societal issues. Group discussions and collaborative projects strengthen communication, teamwork, and problem-solving abilities essential for placements and competitive exams like GATE.

leveraging ICT tools and integrating innovative teaching practices with hands-on exposure, the teaching-learning process prepares students for lifelong learning, industry demands, and community contributions, ensuring they grow into skilled, responsible professionals

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://mjcollege.ac.in/naac/2023-24/2.3.1/

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:

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

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

- To facilitate video-conferencing or other form of Tele

conferencing to involve wide range of students from distant

- **Geographic areas For blended learning by combining conventional classroom learningwith 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	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

148

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

186

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

65

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

2284

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 mechanism is designed to be both transparent and robust, ensuring fairness and consistency in evaluating student performance. It is characterized by its frequency, with regular assessments throughout the semester, and its varied modes of evaluation. The assessment process includes periodic class tests, assignments, quizzes, seminars, practical exams, and lab evaluations, providing multiple opportunities for students to demonstrate their learning and skills.

Each assessment is communicated to students at the beginning of the semester, with schedules and expectations clearly outlined through the academic calendar, internal test timetables, and department notice boards. This advance notice ensures that students are well-prepared and aware of the assessment structure. The internal assessment question papers are aligned with course outcomes and are designed to assess not only knowledge recall but also conceptual understanding, analytical skills, and practical application.

Feedback is an integral part of the process, with answer scripts returned for personal verification, allowing students to review their performance and clarify any doubts. Common mistakes are discussed to support continuous learning. Additionally, internal assessments are supported by faculty guidance, ensuring that students receive timely and constructive feedback. This transparent and systematic approach fosters a fair, comprehensive, and supportive learning environment

File Description	Documents
Any additional information	View File
Link for additional information	https://mjcollege.ac.in/naac/2023-24/2.51.pdf

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

The mechanism to address internal examination-related grievances is designed to be transparent, time-bound, and efficient, ensuring that students' concerns are resolved in a fair and timely manner. As part of the process, students are encouraged to review their answer scripts after the internal exams, allowing them to verify their marks and raise any questions regarding the evaluation. If discrepancies or doubts arise, students can discuss them with the concerned faculty member during a designated review session, where

common errors are also addressed.

To further enhance transparency, a Grievance Redressal Committee is in place to handle any unresolved issues. The committee ensures that all grievances are reviewed impartially and promptly, following a clearly defined procedure. Students are given a set timeframe to submit their concerns, ensuring that the process remains time-bound and efficient.

This structured approach provides students with a clear pathway to address any issues related to internal examinations, fostering trust in the assessment system. The timely resolution of grievances ensures minimal disruption to students' academic progress and helps maintain the integrity of the examination process. Overall, this efficient mechanism supports a fair, transparent, and responsive academic environment

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.

Process of formulation of CO's of all the courses and the their mapping with the PO's and PSO's of the Civil Engineering Department

Drafting of Course Outcomes (COs) and their mapping with Programme Outcomes (Pos) is carried out by course coordinator and module coordinator using a designated level of emphasis: weak. Moderate or strong correlation.

Process of ratification of CO's and the their mapping with the PO's and PSO's of the Civil Engineering Department

After the first step of identifying the main objectives of the courses by the respective course coordinators of all the subjects, the COs were presented in the department faculty meeting, where the course coordinator explained the rationale behind the COs, how they align with the POs, and how they can be assessed. Faculty

members discussed and provided feedback.

Based on the discussion and feedback, the COs were revised to improve clarity, alignment with the program outcomes. After refinement and agreement in the department faculty meeting, the COs were submitted to the Programme Assessment Committee (PAC) for review and approval. The PAC provided feedback for further revision, after which they approved the COs. Once approved, the COs were considered ratified

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.

Assessment processes for the attainment of course outcomes

Category of course

Assessment tools utilized

Theory courses

Class Test I, Class Test II, Assignment, Course End Survey, University Examination

Laboratory courses

Performance of experiment, Laboratory record, Viva-voce, University Examination

Seminar courses

Seminar report, seminar presentation

Project course

Project report, viva voce

Individual course outcome wise assessment- (Continuous Internal Examination)

An assessment matrix is designed which displays the question wise score for every student in the Class Test I, Class Test II, assignment marks and the responses of the course-end survey and the attainment levels are taken in the scale of 1 to 3.

Lumped course outcome wise assessment

For the University Examinations, the overall marks scored by the student are considered for the assessment of the CO and the attainment levels are considered within the scale of 1 to 3.

Course End survey is conducted at the end of the course

Final Attainment of Cos

Attainment of COs of any course is Sum of 30% of Individual Course Outcome attained through Continuous Internal Assessment 60% of attainment obtained though Lumped course outcome Attainment and 10% of the score attained through Course End survey.

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

807

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

2.7 - Student Satisfaction Survey

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

https://mjcollege.ac.in/naac/2023-24/2.7.1.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

24,00,000

File Description	Documents
Any additional information	No File Uploaded
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

21

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

3

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

3.2 - Innovation Ecosystem

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

MJCET has taken various measures to create the required ecosystem to foster innovation and creativity among students and teachers. The following setups have been built to promote research.

1. **R & D Cell**
2. **Institutional Innovation Council**
3. **Student Professional Chapters / Clubs**

The R&D cell was founded in 2008 with the goal of encouraging research activity among students and professors. Initially, R&D provided 'seed-fund' for research projects to help scientists in undertaking exploratory work for the goal of generating full research proposals for submission to funding organizations. Every year, the R&D Committee receives between 25 and 30 R&D applications, and the projects are shortlisted based on the presentations made by the applicants at the R&D Committee meeting.

Incubation Cell:

MJCET launched the 'MJ Hub' in November 2018, with the goal of creating the campus's innovation ecosystem and encouraging a 'start-up' mentality. An 'Ideation Contest', 'Critical Design Thinking', and numerous internal Hackathons are held.

In 2024 MJCET Won Two top positions in national level Smart India hackathon.

In 2024 MJCET got funding for two start-ups from Govt.

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

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

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

8

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

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

0

File Description	Documents
URL to the research page on HEI website	https://mjcollege.ac.in/r-and-d-home
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

38

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

54

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

3.4 - Extension Activities

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

The institute's mission is to develop ethical and socially responsible engineers who will benefit society while also working in harmony with nature. In accordance with the vision, the

institute encourages various bodies and clubs such as the Robotics Club, EWB(I), IE(I), and E-Cell to participate in community service activities in collaboration with NSS. The EWB(I) Student Chapter engages in projects such as clean-and-green campus initiatives and community outreach, including literacy awareness campaigns.

IEEE/WIE student volunteers participate in social service initiatives such as donating to underprivileged schools and assisting victims of natural disasters when needed. Unnat Bharat Abhiyan: Under the auspices of UBA, the institution has identified five villages. A student team identifies problems that remain in villages and suggests solutions in domains such as sanitation and cleanliness, education, skill development, agriculture, physical infrastructure, and social and institutional infrastructure. The team promotes alternative and environmentally friendly farming methods, such as organic farming, as well as alternative energy sources such as biogas in villages. The students also hosted eye testing, blood donation and oral testing camps.

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

0

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

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

community and NGOs) during the year

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

6

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

804

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

8

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

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

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

40

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The 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 Facilities:

Classrooms:

The institute has furnished, spacious, well illuminated and ventilated 43classrooms, 14 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 :

The college has one seminar hall, 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 17848 titles and 65409 volumes and subscription to 4 databases offers an excellent environment for academic pursuits. The library has a reference section and Computer Center. Each department has its own departmental library with a 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	No File Uploaded
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)

74.53

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 automated by INFLIBNET SOUL SOFTWARE. The Software is also linked to Online University Library developed by INFLIBNET under the initiative of Ministry of HRD. The following are the major features and functionalities of the soul 2.0 software:

Administration: the soul software allow to define the rules (i.e. information on vendors, budgets, types of resources, user categories, allocation of accession nos. etc), to configure the software.

Acquisition: the library acquires books & periodicals based on suggestion/recommendations made by faculty/syllabus /students

Catalogue: cataloguing is the most important model of the LMS from the point of view of retrieval of information. SOUL uses MARC-21 format to create records for the resources.

Circulation: the circulation module allows us to create/edit/delete/search user records, renew membership and create transaction records (issues/return/renew), reserve the items, and get routine reports.

Serial control: this is related to title of the journals, periodicals, serials, newspapers, the annual subscription, volume number, issue number, etc.

OPAC: This is the searchable interface between the resources stocked in the library and fulfillment of information retrieval requirement.

Bar-coding: each barcode image is programmed to identify the title of book, author name, item number, volume number etc. All this information is shown in one barcode with the help of coding.

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

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

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)

23.64

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

516

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

862

File Description	Documents
Upload any additional information	**No File Uploaded**
List of Computers	[View File]

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

37.88

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 17848 titles/65409 volumes 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

1926

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

3

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/page-capacity-building-2023-24
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

1184

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

1184

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	No File Uploaded

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

`175`

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

`126`

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

`85`

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

5.3 - Student Participation and Activities

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

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

38

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 members of these bodies participate in sessions and formal meetings called for formulating strategies for the overall development of the students.

Student council:

There is no formal student council in the college. However, there are several other non-elected bodies which involve student's participation in academic and social activities. The Student Edification Cell is one such body which is involved in the academic and social development of the student community. Members of the cell are actively involved in co-curricular talks, anti-ragging programs, and various other addiction and gender discrimination awareness activities.

Academic and Administrative Bodies:

Involvement of Alumni in some of the academic and administrative

bodies is presented below.

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. It meets biannually to discuss the state of art areas that can be included in the syllabi. The outcome is proposed to the university Board of studies for the syllabus revision.

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

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

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

11

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

Muffakham Jah College of Engineering and Technology Alumni Association(MJCETAA)

The MJCET Alumni Association (MJCETAA) was established in year 2001 vide Ref No: 4.36/200 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.

Alumni Meet MJCET Alumni Association organizes Alumni Meet.This event acts as a platform for the Alumni to gather at the college and meet their friends and faculty. In this event, a banquet is thrown in honor of all the alumni and alumnae of the college. Apart from this regular Adhoc meeting of alumni of various department happen frequently.

Scholarship The Alumni come forward on an Individual basis and provide scholarships to financially needy students in the form of monthly stipend or need based lumsum support.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)   E. <1Lakhs

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 institution's vision aligns with current global priorities, emphasizing sustainability, environmental responsibility, innovation, and social accountability. Its mission provides a strategic framework to achieve this vision, focusing on pedagogy, research and development, collaboration, innovation, entrepreneurship, soft skills, and nation-building.

Institutional Governance: The institution's administrative philosophy is designed to realize its vision through well-defined mission statements. The founding members, representing diverse intellectual backgrounds, established a transparent and effective administrative culture from the outset.

The Board of Governors (BoG) of Sultan-ul-Uloom Educational Society (SUES) serves as the society's apex decision-making authority, overseeing all affiliated institutions. BoG meets regularly to deliberate on recommendations made by the Governing Council (GC).

At the college level, the Governing Council functions as the primary decision-making body. The Honorable Secretary presents the council's recommendations to the BoG, while the Principal discusses and implements academic, administrative, and financial initiatives. The hierarchy of the institutional governance body are as listed below:

- **Board of Governors**
- **Governing Council**
- **Principal and Deans**
- **Head of the Departments**
- **Faculty and Staff**
- **Students and Parents**

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

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

The leadership has fostered a governance model characterized by intellectual proactivity, administrative transparency, and professional support.

1. Leadership and Administrative Framework: The leadership team, including the Principal, Deans, Registrar, and Heads of Departments (HoDs), oversees daily academic and administrative operations in alignment with the Governing Council's directives. The administrative framework is decentralized, with decisions flowing from the Board of Governors (BoG) through the Governing Council (GC) and into departmental meetings, where input from faculty and staff is valued in the decision-making process.

2. Participative Management: A participative management approach is emphasized, where faculty and staff are involved in shaping academic and administrative policies. This includes the Principal, Deans, HoDs, and Coordinators, who collaborate on both policy development and implementation.

3. Mentoring System: The college also uses a mentoring system to support student progress. Established in 2017 by the Computer Science department, this online platform maintains a student database, offering parents notifications about academic performance and attendance. Each mentor is responsible for guiding 20 students, ensuring individualized support for their academic and career development

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The Strategic Development Plan, aligned with the institution's vision and mission, has been updated every three years since 2007, focusing on key areas such as PG and Ph.D. programs, R&D, faculty development, and innovation. The institution began its first PG program in Mechanical Engineering in 2004 with an intake of 18, and now offers a total intake of 78 across multiple disciplines, including Civil, Electronics, Computer Science, and Electrical Engineering. Ph.D. research centers, approved by the University, have been established in these fields, with 70 research scholars

currently enrolled.

Faculty development is a priority, with faculty members encouraged to join professional organizations, publish research, and present at conferences. The institution offers financial awards and incentives to support their growth, including encouragement to pursue Ph.D. qualifications. To promote innovation and research, the MJCET Research and Development cell was established in 2007, providing annual funding based on project evaluations by the R&D committee. Over the past decade, the institution has successfully achieved most of the targets outlined in its strategic plans, contributing to academic excellence and fostering a strong research culture.

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, founded by the Sultan-ul-Uloom Education Society in 1980, operates under a Governing Body chaired by the Chairperson, with support from a Vice Chairperson, Honorable Secretary, Joint Secretary, Treasurer, and members. The Board of Directors is constituted according to the Society Act of the Government of Telangana. The Governing Body addresses educational and administrative matters, making recommendations to the Board of Governors. Administrators, including the Principal, Deans, Heads of Departments (HODs), and Heads of Sections, are delegated authority to make educational decisions based on Osmania University's rules and regulations, as well as those established by the society. Departmental matters are reviewed by HODs before decisions are finalized, and any rule changes are communicated to them via notice. HODs also work closely with teaching and non-teaching staff to ensure smooth operations.

Regarding recruitment and promotion, the institution follows the guidelines and policies set by AICTE, Osmania University, and UGC. The service rules, leave rules, conduct rules, classification control, and appeal rules are based on the regulations of the

Sultan-ul-Uloom Education Society, effective since 9th September 2002. These policies ensure consistent and fair management of all administrative and academic functions within the institution

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://mjcollege.ac.in/documents/organisational_structure.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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

Welfare measures for teaching staff: College Management endows with benefits like Employees Provident Fund, Group Medical Insurance, comfortable seating with computer, internet & Wi-Fi facilities. Casual Leave of 12-days, Earned leave of 6-days, Medical leave of 10 days, Half-Pay leave, Extra-ordinary leave and 6-weeks of vacation in a year. Paid Maternity leave for 120-days subjected to two children norm, On-duty facility for attending workshops, conferences, seminars & FDP's, or other official events, meetings and programs. Fee concession of 50% is given to one child. An amount of Rs. 3,000/-to Rs. 15,000/- per year is provided for the teaching staff members for various programs.

College provides paid leaves for pursuing Ph.D. Special allowance of Rs. 7,500/- is added to the salaries after completing Ph.D. degree. Library, e-journals, sports & physical fitness facilities are also make available for staff members in the college campus.

Welfare measures for non-teaching staff: Medical group insurance, Festival advance Rs. 8,000/, Casual Leave 12-days, Earned leave 6-days, Medical leave of 10-days, 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, free first-aid and on campus doctor's consultation

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

76

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

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

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

14

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	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

114

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

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

The institution implements an Annual Faculty Performance Appraisal system to assess the performance of teaching staff. Faculty members are evaluated annually based on well-defined parameters. The process includes a Self-Appraisal, along with evaluations by

the Head of Department (HoD) and Head of Institution (HoI). Faculty members are required to submit a self-appraisal following established guidelines, with supporting documentation. The HoD certifies the accuracy of the information, and a committee chaired by the Dean (Academics) ratifies the appraisal. The self-appraisal system consists of Mandatory Parameters (100 points), Essential Parameters (100 points), and Desirable Parameters (150 points), for a total possible score of 350. The Mandatory Parameters reflect the minimum compliance expected from faculty members. The HoD assigns a maximum score of 10 based on performance, commitment to students and the department, and diligence in academic and administrative duties. The HoI assigns a maximum score of 5 based on the faculty member's contribution to institutional development.

For non-teaching staff, the Annual Performance Appraisal is based on a confidential report submitted by the Laboratory Incharge, Head of Department, or Administrative Officer. The format used follows the guidelines specified by Osmania University, ensuring consistent evaluation of all staff members

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 established a strong system to monitor the effective use of its financial resources, with a transparent audit process managed by the Sultan-ul-Uloom Educational Society's administration. The management selects auditors regularly to conduct both internal and external financial audits. The internal audit is performed annually, typically in December and January. Auditors review various financial documents, including bank accounts, general registers, salary statements, cash books, and ledgers, and scrutinize income, expenses, and transactions, particularly related to student tuition fees. Additionally, departments maintain receipts and challans for consumables and non-consumables, which are compared to stock registers.

The management addresses internal audit queries within a month,

and the auditors provide a detailed report on financial matters. This report includes the balance sheet, trial balance, income and expenditure accounts, receipts and payments, and the allocation of funds for staff and student welfare, such as seminars, Faculty Development Programs (FDPs), research projects, and participation in national and international events. The same audit procedure is followed annually. To ensure compliance with government regulations, chartered accountants are frequently engaged to verify all revenue and expenses. At the end of each fiscal year, the final balance sheet is prepared, ensuring financial discipline and transparency across the institution

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)

0

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 organization does not receive grants or donations; it is entirely self-funded. The institution's funding comes from tuition fees paid by students, interest earned on corpus funds, and some money returned to the selected candidates by the Telangana government. The Telangana State Admission and Fee Regulatory Committee (AFRC) sets the tuition costs for the students. By confirming the necessary paperwork, the AFRC determines the tuition cost based on the institute's expenses and forecasts for

the following three years. Staff salaries, raises, dearness allowances, and R&D money are also included in the three-year estimate. The collection of admission forms, consulting services provided by the institute and its employees, leasing space to food vendors, shops, and billboards through hoardings, selling scrap, and renting out the area for ATMs and banking services are the other sources of income.

Through departmental meetings led by the institution's Board of Governors, the college creates and manages the annual budget to guarantee the best possible use of resources. Infrastructure and IT resources are updated in accordance with their needs. Every year, library facilities are improved. Officially, peons are in charge of keeping the college grounds and classrooms tidy. As part of UBA's social duties, a certain amount of money is set aside for social service initiatives. Every year, the heads and in-charge of every department, as well as the BoG of the institutions, consult when preparing and renewing the budget.

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

Every accredited institution has to establish an Internal Quality Assurance Cell (IQAC) as proposed by National Assessment and Accreditation Council (NAAC) so as to ensure quality sustenance post-accreditation. IQAC was constituted in Muffakham Jah College of Engineering and Technology in the academic year 2019-2020 to function as a nodal agency of the institution for quality-related issues under NAAC. Prior to this, quality issues pertaining to the academic and administrative aspects were addressed by Program Assessment Committees at the department level and Academic Audit Cell at the institution level. The constitution of IQAC was to proactively initiate several measures leading to quality sustenance and quality enhancement. It strives to promote quality consciousness among all the stakeholders of the institution through seminars, workshops and meetings. The IQAC committee also records and monitors the healthy practices adopted by the various departments of the institution. It has been channelizing all

efforts & measures of the institution towards promoting its holistic academic excellence. It aims to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution. Also to promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices

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

The IQAC's review process is based on established standards norms that span various factors, including teaching and learning strategies, curriculum development, faculty development, student support services, and institutional governance.

IQAC monitors and reviews the Teaching Learning Process regularly. The institute prepares its Academic Calendar based on the university's before the commencement for the regular teaching-learning process and various co-curricular events like seminars, guest lectures, workshops/FDP's, Hands-on-series etc.

For Teaching Learning Process, Preparation of course lesson plans of each semester, Maintenance of daily lecture Record, Evaluation of teachers' course work based on Student Feedback, assessment of student learning outcomes, Effective internal examination and evaluation systems and Students' result analysis are monitored and reviewed.

IQAC conducts annual academic audits, wherein departments' performance is reviewed based on their SWOT analysis. Stakeholders Feedback is taken to facilitate teaching-learning process reforms. IQAC places emphasis on MoUs having academic and industry importance that enhance internship, placement and research opportunities.

IQAC's through its periodic activities ensures that the institution's teaching and learning processes are effective and

meeting to the needs of stakeholders

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)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://mjcollege.ac.in/annual-report
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

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. Counselling and mentoring: The institution has implemented a comprehensive mentoringprocedure 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 followingfacilities:

- 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://www.mjcollege.ac.in/naac/2023-24/7.1.1/7_1_1%20Action%20Plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.mjcollege.ac.in/naac/2023-24/7.1.1/7_1_1%20Specific%20Fascilities.pdf

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

A. 4 or All of the above

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

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

The most commonly handled wastes are: solid, liquid and e-waste. The steps taken by MJ Collegetowards management of these wastes are described below:

Solid Waste Management: the solid wastes are collected thru dust bins with help of Sweepers. Thewaste is disposed at designated collection point and GHMC Garbage vehicle regularly collects thewaste. 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 whichconsists of underground network of sewer pipes with manholes. The black waste water fromwashrooms is directly discharged in to the sewerage system connected to the underground seweragesystem of GHMC. The waste water from RO plant is directed to a sump for gardening purpose.

Hazardous Chemicals and Radioactive Waste Management: the hazardous chemicals are carefullycategorized and kept safe in designated cupboard in chemistry laboratories with warning sign boardsfor 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   A. Any 4 or all of the above

Maintenance of water bodies and distribution system in the campus

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include

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

    A. Any 4 or All of the above

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

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

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

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

    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	View File
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 including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen   reading   A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
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. Telangana State Formation Day is celebrated with great enthusiasm to commemorate the birth of the state. The event includes cultural programs, speeches, and discussions that emphasize the history, culture, and achievements of Telangana.

Qawwali performances are organized as part of our cultural programs to promote communal harmony and appreciation for linguistic diversity. This soulful art form, deeply rooted in Indian heritage, transcends barriers of language and religion, uniting audiences through its universal appeal.

As part of our commitment to social responsibility and inclusivity, the institution organizes an annual Blanket Donation Drive during winter. This initiative involves collecting and distributing blankets to underprivileged communities in nearby areas

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

Our institution has undertaken various initiatives to sensitize students and employees about their constitutional obligations and to foster a sense of responsibility as citizens.

The Tiranga Rally was organized to celebrate patriotism and educate participants about the significance of the Indian Constitution and its core values. Through this rally, the importance of unity, integrity, and respect for the nation was emphasized.

A Plantation Drive highlighted the duty of citizens to protect the environment, aligning with Article 51-A (g) of the Constitution,

which calls for environmental conservation as a fundamental duty. This initiative instilled a sense of responsibility toward sustainable development.

A Program on Human Rights and Values focused on the importance of upholding human dignity, equality, and social justice. Experts and guest speakers provided insights into fundamental rights and how these contribute to the welfare of society.

Additionally, a course on the Indian Constitution was introduced, providing a comprehensive understanding of constitutional provisions, rights, and duties. This course empowered participants with knowledge to become informed and responsible citizens.

These activities collectively aim to instill constitutional values and inspire active citizenship among all members of our institution.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.mjcollege.ac.in/naac/2023-24/7.1.9/7_1_9%20Details%20of%20Activitites.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 periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students,   teachers, administrators and other staff   4. Annual awareness programmes on Code of Conduct are organized   A. All of the above

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

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 2023-2024, we celebrated the following days like Independence Day, Republic Day, National Science Day and National Festival of colours Holi

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	No File Uploaded

7.2 - Best Practices

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

Best Practices

1. Title of the practice:

- **Pedagogical Approaches using IT/ICT tools**
- **Students Projects catering societal needs.**
- **Faculty Incentive Scheme(FIS)**

2. Objectives of the Practice

- Enhance ICT use in teaching, online activities.
- Institute fosters R&D, empowering students and faculty for innovation.
- FIS recognizes performance, promotes development.

3. The Context

- Challenges include digital literacy gaps, curriculum alignment, engagement, and technical issues.
- Course structure includes credits for major/mini projects, internships, and research.
- Faculty incentive scheme needs fairness, alignment, criteria, balance, support, sustainability.

4. The Practice

- Institute employs varied teaching strategies. "Inquiry-Based Learning" link theory to practice, "Course-Based Projects" foster practical growth.
- Innovation is encouraged through projects, MJ HUB, Entrepreneurship Cell and R&D Cell.
- Faculty participate in industry activities, research, conferences with financial support under Incentive Scheme. Incentives recognize publications, grants, professional memberships, and qualifications.

5. Evidence of Success

- Interactive learning enhances team spirit, soft skills, & social responsibility. Students contribute to course and research projects, leading to patents, startups. Placement success is notable.
- Three Mechanical Engineering students developed eco-friendly solar fridge.
- 23 faculty members benefited from incentive schemes.

6. Problems Encountered and Resources Required

- Diverse learning styles challenge classroom delivery. Adapting ICT methods is difficult.

Encouraging logical problem-solving requires balancing research, retaining teams, continuous tech training, building networks, and fostering non-scientific research skills.

File Description	Documents
Best practices in the Institutional website	https://mjcollege.ac.in/naac/7.2.1_Best_Practices_2023-24.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

Sultan-Ul-Uloom Knowledge Hub Foundation (SUKHF): The SU Knowledge Hub at Muffakham Jah College of Engineering and Technology (MJCET)was inaugurated to support innovative startup ideas from students across disciplines, includingengineering and pharmacy. Jayesh Ranjan, Principal Secretary of Industries and Commerce,praised the hub's potential to drive Telangana's startup ecosystem, fostering entrepreneurshipand creating job opportunities. SUES Secretary Zafar Javeed emphasized the open-door policy,allowing participation from students outside MJCET. CEO Meraj Faheem affirmed the hub'scommitment to nurturing innovation for societal benefit.

Drone Centre of Excellence: MJCET has established a Drone Centre of Excellence to train students in drone technology.Certified faculty guide students in assembling, operating, and repairing drones, while adheringto DGCA norms. Training covers autonomous and non-autonomous drones, with applicationsin agriculture, surveillance, and more. Zephyr Simulation software helps students practicebefore supervised drone flights, preparing them for careers or startups in drone technology.

100 kWp Solar PV Power Project: MJCET implemented a 100 kWp solar project on campus with Mono PERC solar panels. This?60 lakh initiative reduces fossil fuel dependence, generating 1,44,000 units annually with a25-year lifespan. Inaugurated by SUES leaders, it demonstrates a commitment to renewableenergy and sustainability.

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 developed by Osmania University through discussions in Board of Studies meetings.

Planning: A three-tier planning process is followed to ensure effective curriculum delivery: University Almanac, Institutional and the Departmental Academic Calendar. The University Almanac provides a broad framework of academic planning applicable to all affiliated colleges. The Institutional Academic Calendar, prepared by the Head of the Institution, incorporates both university events and additional institutional timelines. Lastly, the Departmental Academic Calendar outlines specific activities and events planned by the department, ensuring alignment with both institutional and university schedules.

Teaching-Learning Process: Effective curriculum delivery begins with clearly communicating course objectives through course hand-outs and lecture schedules. The day-to-day teaching and learning process is enriched through tutorials, guest lectures, videos, seminars, workshops, assignments, and projects, in addition to regular lectures. Laboratory experiments allow students to reinforce theoretical concepts by applying them practically.

Assessment Systems: Through Outcome-Based Education the assessment of attainment of Course Outcomes and Program Outcomes is carried out using a combination of direct and indirect assessment tools. The Continuous Internal Evaluation is given a weightage of 40%, while the Semester End Examination (SEE) carries 60%.

Self-Learning Initiatives: The college is recognized as a local chapter of NPTEL, where students and faculty are encouraged to earn certifications in relevant NPTEL courses. The institution also promotes self-learning through its R&D projects and the Innovation and Incubation Cell

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://mjcollege.ac.in/naac/2023-24/1.1.1/MJCET-AQAR-2023-2024-1.1.1.pdf

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

Muffakham Jah College of Engineering & Technology adopts three-tier planning process to ensure that the academic events and activities are systematically organized and communicated across different levels. Firstly, the university almanac is a comprehensive framework of academic planning that is common to all affiliated colleges containing information regarding academic sessions, examinations, holidays etc. Muffakham Jah College of Engineering & Technology refers to this framework to prepare the institutional as well as departmental calendars. The Institutional Academic Calendar also includes specific institutional programmes in addition to the events outlined by the university. The Continuous Internal Evaluations (CIEs) are conducted as per the almanac given by the university. The department academic calendar complements the Institutional Academic Calendar and makes sure that all the department activities are synchronized with broader institutional timelines. This layered approach is beneficial for effective planning and ensures clarity and alignment of academic priorities.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG	B. Any 3 of the above

programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

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

14

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)

21

File Description	Documents
Any additional information	**No File Uploaded**
Brochure or any other document relating to Add on /Certificate programs	**No File Uploaded**
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

1253

File Description	Documents
Any additional information	**No File Uploaded**
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

The university's curriculum incorporates a range of cross-cutting issues relevant to Environmental Science.

Environmental Science:

Environmental Education is mandated by the University Grants Commission (UGC) in India to promote awareness and understanding of environmental issues among students. Osmania University, being a prominent educational institution, integrates this subject in affiliated colleges to adhere to these guidelines. As responsible citizens the engineering students must be aware of the critical environmental challenges like climate change, deforestation, urban pollution, water scarcity and biodiversity loss. The course often promotes research and innovation. As engineers learners are encouraged to explore innovative solutions to environmental challenges, which can contribute to academic growth and practical applications. The course is aligned with MJCET's broader vision of creating 'ethical and socially responsible engineers who meet the global challenge of building a modern society in harmony with nature.'

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

16

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

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

1626

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/page-feedback
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	**Nil**

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

824

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

601

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

Muffakham Jah College of Engineering and Technology is dedicated to fostering an effective teaching-learning environment, with flexible curricula that support student success. The institution offers extra lectures and remedial classes for academically weaker students, while motivating high achievers to excel further.

Identifying Slow and Advanced Learners:

Objective:

- **Assist underperforming students in reaching academic goals.**
- **Recognize high achievers and provide support for higher studies, industry placements, or public sector opportunities.**

Identification:

- **Faculty create detailed lecture plans and assessment schedules.**
- **Students scoring below 45% in assessments are classified as Slow Learners, while those scoring above 75% are identified as Advanced Learners.**

Action Plan:

- **Slow Learners: These students will receive counseling and must attend remedial classes. The schedule for these classes will be provided by faculty, who may offer individual or group sessions based on performance review.**
- **Advanced Learners: Faculty will identify these students, and the HoD will encourage mentors to guide them through research projects, publications, or industry-based work. Students will also be encouraged to attend advanced**

workshops or training.

Re-evaluation: Slow Learners will be reassessed after remedial classes, with further counseling and individual sessions if needed. Faculty will report progress to the HoD

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

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

Number of Students	Number of Teachers
3353	186

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

The teaching-learning process in engineering education blends traditional and modern methods to ensure holistic development. Experiential learning, participative learning, and problem-solving methodologies are key approaches. Students tackle real-world challenges through research projects, internships, and capstone projects, focusing on eco-friendly and sustainable solutions.

Workshops, seminars, and guest lectures are regularly organized to expose students to the latest industry trends, while laboratory courses allow hands-on practice to reinforce theoretical concepts. Continuous assessments through assignments, quizzes, and tutorials provide personalized support, helping students gain clarity and confidence. Comprehensive question banks, combined with ICT tools like simulations and animations, further enhance understanding and engagement.

Specialized industry-oriented courses, such as STAAD Pro, ETABS, and QGIS, equip students with advanced skills to address real-world problems. Programs like Engineers Without Borders encourage students to contribute to solving societal issues. Group discussions and collaborative projects strengthen communication, teamwork, and problem-solving abilities essential for placements and competitive exams like GATE.

leveraging ICT tools and integrating innovative teaching practices with hands-on exposure, the teaching-learning process prepares students for lifelong learning, industry demands, and community contributions, ensuring they grow into skilled, responsible professionals

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://mjcollege.ac.in/naac/2023-24/2.3.1/

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:

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

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

- To facilitate video-conferencing or other form of Tele

> conferencing to involve wide range of students from distant

- Geographic areas For blended learning by combining conventional classroom learningwith 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	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

148

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

186

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

65

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

2284

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 mechanism is designed to be both transparent and robust, ensuring fairness and consistency in evaluating student performance. It is characterized by its frequency, with regular assessments throughout the semester, and its varied modes of evaluation. The assessment process includes periodic class tests, assignments, quizzes, seminars, practical exams, and lab evaluations, providing multiple opportunities for students to demonstrate their learning and skills.

Each assessment is communicated to students at the beginning of the semester, with schedules and expectations clearly outlined through the academic calendar, internal test timetables, and department notice boards. This advance notice ensures that students are well-prepared and aware of the assessment structure. The internal assessment question papers are aligned with course outcomes and are designed to assess not only knowledge recall but also conceptual understanding, analytical skills, and practical application.

Feedback is an integral part of the process, with answer scripts returned for personal verification, allowing students to review their performance and clarify any doubts. Common mistakes are discussed to support continuous learning. Additionally, internal assessments are supported by faculty guidance, ensuring that students receive timely and constructive feedback. This transparent and systematic approach fosters a fair, comprehensive, and supportive learning environment

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://mjcollege.ac.in/naac/2023-24/2.51.pdf

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

The mechanism to address internal examination-related grievances is designed to be transparent, time-bound, and efficient, ensuring that students' concerns are resolved in a fair and timely manner. As part of the process, students are encouraged to review their answer scripts after the internal exams, allowing them to verify their marks and raise any

questions regarding the evaluation. If discrepancies or doubts arise, students can discuss them with the concerned faculty member during a designated review session, where common errors are also addressed.

To further enhance transparency, a Grievance Redressal Committee is in place to handle any unresolved issues. The committee ensures that all grievances are reviewed impartially and promptly, following a clearly defined procedure. Students are given a set timeframe to submit their concerns, ensuring that the process remains time-bound and efficient.

This structured approach provides students with a clear pathway to address any issues related to internal examinations, fostering trust in the assessment system. The timely resolution of grievances ensures minimal disruption to students' academic progress and helps maintain the integrity of the examination process. Overall, this efficient mechanism supports a fair, transparent, and responsive academic environment

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.

Process of formulation of CO's of all the courses and the their mapping with the PO's and PSO's of the Civil Engineering Department

Drafting of Course Outcomes (COs) and their mapping with Programme Outcomes (Pos) is carried out by course coordinator and module coordinator using a designated level of emphasis: weak. Moderate or strong correlation.

Process of ratification of CO's and the their mapping with the PO's and PSO's of the Civil Engineering Department

After the first step of identifying the main objectives of the courses by the respective course coordinators of all the

subjects, the COs were presented in the department faculty meeting, where the course coordinator explained the rationale behind the COs, how they align with the POs, and how they can be assessed. Faculty members discussed and provided feedback.

Based on the discussion and feedback, the COs were revised to improve clarity, alignment with the program outcomes. After refinement and agreement in the department faculty meeting, the COs were submitted to the Programme Assessment Committee (PAC) for review and approval. The PAC provided feedback for further revision, after which they approved the COs. Once approved, the COs were considered ratified

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.

Assessment processes for the attainment of course outcomes

Category of course

Assessment tools utilized

Theory courses

Class Test I, Class Test II, Assignment, Course End Survey, University Examination

Laboratory courses

Performance of experiment, Laboratory record, Viva-voce, University Examination

Seminar courses

Seminar report, seminar presentation

Project course

Project report, viva voce

Individual course outcome wise assessment- (Continuous Internal Examination)

An assessment matrix is designed which displays the question wise score for every student in the Class Test I, Class Test II, assignment marks and the responses of the course-end survey and the attainment levels are taken in the scale of 1 to 3.

Lumped course outcome wise assessment

For the University Examinations, the overall marks scored by the student are considered for the assessment of the CO and the attainment levels are considered within the scale of 1 to 3.

Course End survey is conducted at the end of the course

Final Attainment of Cos

Attainment of COs of any course is Sum of 30% of Individual Course Outcome attained through Continuous Internal Assessment 60% of attainment obtained though Lumped course outcome Attainment and 10% of the score attained through Course End survey.

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

807

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

2.7 - Student Satisfaction Survey

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

https://mjcollege.ac.in/naac/2023-24/2.7.1.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

24,00,000

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

21

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

3

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

3.2 - Innovation Ecosystem

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

MJCET has taken various measures to create the required ecosystem to foster innovation and creativity among students and teachers. The following setups have been built to promote research.

1. R & D Cell
2. Institutional Innovation Council
3. Student Professional Chapters / Clubs

The R&D cell was founded in 2008 with the goal of encouraging research activity among students and professors. Initially, R&D provided 'seed-fund' for research projects to help scientists in undertaking exploratory work for the goal of generating full research proposals for submission to funding organizations. Every year, the R&D Committee receives between 25 and 30 R&D applications, and the projects are shortlisted based on the

presentations made by the applicants at the R&D Committee meeting.

Incubation Cell:

MJCET launched the 'MJ Hub' in November 2018, with the goal of creating the campus's innovation ecosystem and encouraging a 'start-up' mentality. An 'Ideation Contest', 'Critical Design Thinking', and numerous internal Hackathons are held.

In 2024 MJCET Won Two top positions in national level Smart India hackathon.

In 2024 MJCET got funding for two start-ups from Govt.

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

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

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

8

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

0

File Description	Documents
URL to the research page on HEI website	https://mjcollege.ac.in/r-and-d-home
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

38

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

54

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

3.4 - Extension Activities

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

The institute's mission is to develop ethical and socially responsible engineers who will benefit society while also

working in harmony with nature. In accordance with the vision, the institute encourages various bodies and clubs such as the Robotics Club, EWB(I), IE(I), and E-Cell to participate in community service activities in collaboration with NSS. The EWB(I) Student Chapter engages in projects such as clean-and-green campus initiatives and community outreach, including literacy awareness campaigns.

IEEE/WIE student volunteers participate in social service initiatives such as donating to underprivileged schools and assisting victims of natural disasters when needed. Unnat Bharat Abhiyan: Under the auspices of UBA, the institution has identified five villages. A student team identifies problems that remain in villages and suggests solutions in domains such as sanitation and cleanliness, education, skill development, agriculture, physical infrastructure, and social and institutional infrastructure. The team promotes alternative and environmentally friendly farming methods, such as organic farming, as well as alternative energy sources such as biogas in villages. The students also hosted eye testing, blood donation and oral testing camps.

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

0

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

3.4.3 - Number of extension and outreach programs conducted by the institution through

NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

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

6

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

804

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

8

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

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

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

40

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The 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 Facilities:

Classrooms:

The institute has furnished, spacious, well illuminated and ventilated 43classrooms, 14 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 :

The college has one seminar hall, 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 17848 titles and 65409 volumes and subscription to 4 databases offers an excellent environment for academic pursuits. The library has a reference section and Computer Center. Each department has its own departmental library with a 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	**No File Uploaded**
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)

74.53

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 automated by INFLIBNET SOUL SOFTWARE. The Software is also linked to Online University Library developed by INFLIBNET under the initiative of Ministry of HRD. The following are the major features and functionalities of the soul 2.0 software:

Administration: the soul software allow to define the rules (i.e. information on vendors, budgets, types of resources, user categories, allocation of accession nos. etc), to configure the software.

Acquisition: the library acquires books & periodicals based on suggestion/recommendations made by faculty/syllabus /students

Catalogue: cataloguing is the most important model of the LMS from the point of view of retrieval of information. SOUL uses MARC-21 format to create records for the resources.

Circulation: the circulation module allows us to create/edit/delete/search user records, renew membership and create transaction records (issues/return/renew), reserve the items, and get routine reports.

Serial control: this is related to title of the journals, periodicals, serials, newspapers, the annual subscription, volume number, issue number, etc.

OPAC: This is the searchable interface between the resources stocked in the library and fulfillment of information retrieval requirement.

Bar-coding: each barcode image is programmed to identify the title of book, author name, item number, volume number etc. All this information is shown in one barcode with the help of coding.

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)

23.64

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

516

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

862

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

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

37.88

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

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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 17848 titles/65409 volumes
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
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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

1926

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

3

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/page-capacity-building-2023-24
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

1184

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

1184

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	**No File Uploaded**

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

175

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

126

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

85

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

5.3 - Student Participation and Activities

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

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

38

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 members of these bodies participate in sessions and formal meetings called for formulating strategies for the overall development of the students.

Student council:

There is no formal student council in the college. However, there are several other non-elected bodies which involve student's participation in academic and social activities. The Student Edification Cell is one such body which is involved in the academic and social development of the student community. Members of the cell are actively involved in co-curricular talks, anti-ragging programs, and various other addiction and gender discrimination awareness activities.

Academic and Administrative Bodies:

Involvement of Alumni in some of the academic and administrative bodies is presented below.

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. It meets biannually to discuss the state of art areas that can be included in the syllabi. The outcome is proposed to the university Board of studies for the syllabus revision.

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

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

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

11

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

Muffakham Jah College of Engineering and Technology Alumni Association(MJCETAA)

The MJCET Alumni Association (MJCETAA) was established in year 2001 vide Ref No: 4.36/200 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.

Alumni Meet MJCET Alumni Association organizes Alumni Meet.This event acts as a platform for the Alumni to gather at the college and meet their friends and faculty. In this event, a banquet is thrown in honor of all the alumni and alumnae of the college. Apart from this regular Adhoc meeting of alumni of

various department happen frequently.

Scholarship The Alumni come forward on an Individual basis and provide scholarships to financially needy students in the form of monthly stipend or need based lumsum support.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)	**E. <1Lakhs**

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 institution's vision aligns with current global priorities, emphasizing sustainability, environmental responsibility, innovation, and social accountability. Its mission provides a strategic framework to achieve this vision, focusing on pedagogy, research and development, collaboration, innovation, entrepreneurship, soft skills, and nation-building.

Institutional Governance: The institution's administrative philosophy is designed to realize its vision through well-defined mission statements. The founding members, representing diverse intellectual backgrounds, established a transparent and effective administrative culture from the outset.

The Board of Governors (BoG) of Sultan-ul-Uloom Educational Society (SUES) serves as the society's apex decision-making authority, overseeing all affiliated institutions. BoG meets regularly to deliberate on recommendations made by the Governing Council (GC).

At the college level, the Governing Council functions as the

primary decision-making body. The Honorable Secretary presents the council's recommendations to the BoG, while the Principal discusses and implements academic, administrative, and financial initiatives. The hierarchy of the institutional governance body are as listed below:

- Board of Governors
- Governing Council
- Principal and Deans
- Head of the Departments
- Faculty and Staff
- Students and Parents

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

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

The leadership has fostered a governance model characterized by intellectual proactivity, administrative transparency, and professional support.

1. Leadership and Administrative Framework: The leadership team, including the Principal, Deans, Registrar, and Heads of Departments (HoDs), oversees daily academic and administrative operations in alignment with the Governing Council's directives. The administrative framework is decentralized, with decisions flowing from the Board of Governors (BoG) through the Governing Council (GC) and into departmental meetings, where input from faculty and staff is valued in the decision-making process.
2. Participative Management: A participative management approach is emphasized, where faculty and staff are involved in shaping academic and administrative policies. This includes the Principal, Deans, HoDs, and Coordinators, who collaborate on both policy development and implementation.
3. Mentoring System: The college also uses a mentoring system to support student progress. Established in 2017 by the Computer Science department, this online platform maintains a student database, offering parents

notifications about academic performance and attendance. Each mentor is responsible for guiding 20 students, ensuring individualized support for their academic and career development

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The Strategic Development Plan, aligned with the institution's vision and mission, has been updated every three years since 2007, focusing on key areas such as PG and Ph.D. programs, R&D, faculty development, and innovation. The institution began its first PG program in Mechanical Engineering in 2004 with an intake of 18, and now offers a total intake of 78 across multiple disciplines, including Civil, Electronics, Computer Science, and Electrical Engineering. Ph.D. research centers, approved by the University, have been established in these fields, with 70 research scholars currently enrolled.

Faculty development is a priority, with faculty members encouraged to join professional organizations, publish research, and present at conferences. The institution offers financial awards and incentives to support their growth, including encouragement to pursue Ph.D. qualifications. To promote innovation and research, the MJCET Research and Development cell was established in 2007, providing annual funding based on project evaluations by the R&D committee. Over the past decade, the institution has successfully achieved most of the targets outlined in its strategic plans, contributing to academic excellence and fostering a strong research culture.

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, founded by the Sultan-ul-Uloom Education Society in 1980, operates under a Governing Body chaired by the Chairperson, with support from a Vice Chairperson, Honorable Secretary, Joint Secretary, Treasurer, and members. The Board of Directors is constituted according to the Society Act of the Government of Telangana. The Governing Body addresses educational and administrative matters, making recommendations to the Board of Governors. Administrators, including the Principal, Deans, Heads of Departments (HODs), and Heads of Sections, are delegated authority to make educational decisions based on Osmania University's rules and regulations, as well as those established by the society. Departmental matters are reviewed by HODs before decisions are finalized, and any rule changes are communicated to them via notice. HODs also work closely with teaching and non-teaching staff to ensure smooth operations.

Regarding recruitment and promotion, the institution follows the guidelines and policies set by AICTE, Osmania University, and UGC. The service rules, leave rules, conduct rules, classification control, and appeal rules are based on the regulations of the Sultan-ul-Uloom Education Society, effective since 9th September 2002. These policies ensure consistent and fair management of all administrative and academic functions within the institution

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the institution webpage	https://mjcollege.ac.in/documents/organisational_structure.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	**A. All of the above**

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

6.3 - Faculty Empowerment Strategies

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

Welfare measures for teaching staff: College Management endows with benefits like Employees Provident Fund, Group Medical Insurance, comfortable seating with computer, internet & Wi-Fi facilities. Casual Leave of 12-days, Earned leave of 6-days, Medical leave of 10 days, Half-Pay leave, Extra-ordinary leave and 6-weeks of vacation in a year. Paid Maternity leave for 120-days subjected to two children norm, On-duty facility for attending workshops, conferences, seminars & FDP's, or other official events, meetings and programs. Fee concession of 50% is given to one child. An amount of Rs. 3,000/-to Rs. 15,000/- per year is provided for the teaching staff members for various programs. College provides paid leaves for pursuing Ph.D. Special allowance of Rs. 7,500/- is added to the salaries after completing Ph.D. degree. Library, e-journals, sports & physical fitness facilities are also make available for staff members in

```
the college campus.

Welfare measures for non-teaching staff: Medical group
insurance, Festival advance Rs. 8,000/, Casual Leave 12-days,
Earned leave 6-days, Medical leave of 10-days, 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, free
first-aid and on campus doctor's consultation
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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

76

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

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

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

14

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	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

114

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

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

The institution implements an Annual Faculty Performance Appraisal system to assess the performance of teaching staff. Faculty members are evaluated annually based on well-defined

parameters. The process includes a Self-Appraisal, along with
evaluations by the Head of Department (HoD) and Head of
Institution (HoI). Faculty members are required to submit a
self-appraisal following established guidelines, with
supporting documentation. The HoD certifies the accuracy of the
information, and a committee chaired by the Dean (Academics)
ratifies the appraisal. The self-appraisal system consists of
Mandatory Parameters (100 points), Essential Parameters (100
points), and Desirable Parameters (150 points), for a total
possible score of 350. The Mandatory Parameters reflect the
minimum compliance expected from faculty members. The HoD
assigns a maximum score of 10 based on performance, commitment
to students and the department, and diligence in academic and
administrative duties. The HoI assigns a maximum score of 5
based on the faculty member's contribution to institutional
development.

For non-teaching staff, the Annual Performance Appraisal is
based on a confidential report submitted by the Laboratory
Incharge, Head of Department, or Administrative Officer. The
format used follows the guidelines specified by Osmania
University, ensuring consistent evaluation of all staff members

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 established a strong system to monitor the effective
use of its financial resources, with a transparent audit
process managed by the Sultan-ul-Uloom Educational Society's
administration. The management selects auditors regularly to
conduct both internal and external financial audits. The
internal audit is performed annually, typically in December and
January. Auditors review various financial documents, including
bank accounts, general registers, salary statements, cash
books, and ledgers, and scrutinize income, expenses, and
transactions, particularly related to student tuition fees.
Additionally, departments maintain receipts and challans for

consumables and non-consumables, which are compared to stock
registers.

The management addresses internal audit queries within a month,
and the auditors provide a detailed report on financial
matters. This report includes the balance sheet, trial balance,
income and expenditure accounts, receipts and payments, and the
allocation of funds for staff and student welfare, such as
seminars, Faculty Development Programs (FDPs), research
projects, and participation in national and international
events. The same audit procedure is followed annually. To
ensure compliance with government regulations, chartered
accountants are frequently engaged to verify all revenue and
expenses. At the end of each fiscal year, the final balance
sheet is prepared, ensuring financial discipline and
transparency across the institution

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)

0

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 organization does not receive grants or donations; it is
entirely self-funded. The institution's funding comes from

tuition fees paid by students, interest earned on corpus funds, and some money returned to the selected candidates by the Telangana government. The Telangana State Admission and Fee Regulatory Committee (AFRC) sets the tuition costs for the students. By confirming the necessary paperwork, the AFRC determines the tuition cost based on the institute's expenses and forecasts for the following three years. Staff salaries, raises, dearness allowances, and R&D money are also included in the three-year estimate. The collection of admission forms, consulting services provided by the institute and its employees, leasing space to food vendors, shops, and billboards through hoardings, selling scrap, and renting out the area for ATMs and banking services are the other sources of income.

Through departmental meetings led by the institution's Board of Governors, the college creates and manages the annual budget to guarantee the best possible use of resources. Infrastructure and IT resources are updated in accordance with their needs. Every year, library facilities are improved. Officially, peons are in charge of keeping the college grounds and classrooms tidy. As part of UBA's social duties, a certain amount of money is set aside for social service initiatives. Every year, the heads and in-charge of every department, as well as the BoG of the institutions, consult when preparing and renewing the budget.

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

Every accredited institution has to establish an Internal Quality Assurance Cell (IQAC) as proposed by National Assessment and Accreditation Council (NAAC) so as to ensure quality sustenance post-accreditation. IQAC was constituted in Muffakham Jah College of Engineering and Technology in the academic year 2019-2020 to function as a nodal agency of the institution for quality-related issues under NAAC. Prior to this, quality issues pertaining to the academic and administrative aspects were addressed by Program Assessment

Committees at the department level and Academic Audit Cell at the institution level. The constitution of IQAC was to proactively initiate several measures leading to quality sustenance and quality enhancement. It strives to promote quality consciousness among all the stakeholders of the institution through seminars, workshops and meetings. The IQAC committee also records and monitors the healthy practices adopted by the various departments of the institution. It has been channelizing all efforts & measures of the institution towards promoting its holistic academic excellence. It aims to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution. Also to promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices

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

The IQAC's review process is based on established standards norms that span various factors, including teaching and learning strategies, curriculum development, faculty development, student support services, and institutional governance.

IQAC monitors and reviews the Teaching Learning Process regularly. The institute prepares its Academic Calendar based on the university's before the commencement for the regular teaching-learning process and various co-curricular events like seminars, guest lectures, workshops/FDP's, Hands-on-series etc.

For Teaching Learning Process, Preparation of course lesson plans of each semester, Maintenance of daily lecture Record, Evaluation of teachers' course work based on Student Feedback, assessment of student learning outcomes, Effective internal examination and evaluation systems and Students' result analysis are monitored and reviewed.

IQAC conducts annual academic audits, wherein departments'
performance is reviewed based on their SWOT analysis.
Stakeholders Feedback is taken to facilitate teaching-learning
process reforms. IQAC places emphasis on MoUs having academic
and industry importance that enhance internship, placement and
research opportunities.

IQAC's through its periodic activities ensures that the
institution's teaching and learning processes are effective and
meeting to the needs of stakeholders

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)	**A. All of the above**

File Description	Documents
Paste web link of Annual reports of Institution	https://mjcollege.ac.in/annual-report
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

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. Counselling and mentoring: The institution has implemented a comprehensive mentoringprocedure 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 followingfacilities:

- 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://www.mjcollege.ac.in/naac/2023-24/7.1.1/7_1_1%20Action%20Plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.mjcollege.ac.in/naac/2023-24/7.1.1/7_1_1%20Specific%20Fascilities.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**A. 4 or All of the above**

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

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

The most commonly handled wastes are: solid, liquid and e-waste. The steps taken by MJ Collegetowards management of these wastes are described below:

Solid Waste Management: the solid wastes are collected thru dust bins with help of Sweepers. Thewaste is disposed at designated collection point and GHMC Garbage vehicle regularly collects thewaste. 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 whichconsists of underground network of sewer pipes with manholes. The black waste water fromwashrooms is directly discharged in to the sewerage system connected to the underground seweragesystem of GHMC. The waste water from RO

plant is directed to a sump for gardening purpose.

Hazardous Chemicals and Radioactive Waste Management: the hazardous chemicals are carefullycategorized and kept safe in designated cupboard in chemistry laboratories with warning sign boardsfor 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	View File

7.1.5 - Green campus initiatives include

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

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

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

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	**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	View File
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 including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	**A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
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. Telangana State Formation Day is celebrated with great enthusiasm to commemorate the birth of the state. The event includes cultural programs, speeches, and discussions that emphasize the history, culture, and achievements of Telangana.

Qawwali performances are organized as part of our cultural programs to promote communal harmony and appreciation for linguistic diversity. This soulful art form, deeply rooted in Indian heritage, transcends barriers of language and religion, uniting audiences through its universal appeal.

As part of our commitment to social responsibility and inclusivity, the institution organizes an annual Blanket Donation Drive during winter. This initiative involves collecting and distributing blankets to underprivileged communities in nearby areas

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

Our institution has undertaken various initiatives to sensitize students and employees about their constitutional obligations and to foster a sense of responsibility as citizens.

The Tiranga Rally was organized to celebrate patriotism and educate participants about the significance of the Indian Constitution and its core values. Through this rally, the importance of unity, integrity, and respect for the nation was emphasized.

A Plantation Drive highlighted the duty of citizens to protect the environment, aligning with Article 51-A (g) of the Constitution, which calls for environmental conservation as a fundamental duty. This initiative instilled a sense of responsibility toward sustainable development.

A Program on Human Rights and Values focused on the importance of upholding human dignity, equality, and social justice. Experts and guest speakers provided insights into fundamental rights and how these contribute to the welfare of society.

Additionally, a course on the Indian Constitution was introduced, providing a comprehensive understanding of constitutional provisions, rights, and duties. This course empowered participants with knowledge to become informed and responsible citizens.

These activities collectively aim to instill constitutional values and inspire active citizenship among all members of our institution.

21-02-2025 03:55:26

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.mjcollege.ac.in/naac/2023-24/7.1.9/7_1_9%20Details%20of%20Activitites.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 periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	**A. All of the above**

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

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 2023-2024, we celebrated the following days like Independence Day, Republic Day, National Science Day and National Festival of colours Holi

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	**No File Uploaded**

7.2 - Best Practices

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

Best Practices

1. Title of the practice:

- **Pedagogical Approaches using IT/ICT tools**
- **Students Projects catering societal needs.**
- **Faculty Incentive Scheme(FIS)**

2. Objectives of the Practice

- **Enhance ICT use in teaching, online activities.**
- **Institute fosters R&D, empowering students and faculty for innovation.**
- **FIS recognizes performance, promotes development.**

3. The Context

- **Challenges include digital literacy gaps, curriculum alignment, engagement, and technical issues.**
- **Course structure includes credits for major/mini projects, internships, and research.**
- **Faculty incentive scheme needs fairness, alignment, criteria, balance, support, sustainability.**

4. The Practice

- **Institute employs varied teaching strategies. "Inquiry-Based Learning" link theory to practice, "Course-Based Projects" foster practical growth.**
- **Innovation is encouraged through projects, MJ HUB,**

Entrepreneurship Cell and R&D Cell.
- Faculty participate in industry activities, research, conferences with financial support under Incentive Scheme. Incentives recognize publications, grants, professional memberships, and qualifications.

5. Evidence of Success

- Interactive learning enhances team spirit, soft skills, & social responsibility. Students contribute to course and research projects, leading to patents, startups. Placement success is notable.
- Three Mechanical Engineering students developed eco-friendly solar fridge.
- 23 faculty members benefited from incentive schemes.

6. Problems Encountered and Resources Required

- Diverse learning styles challenge classroom delivery. Adapting ICT methods is difficult.

Encouraging logical problem-solving requires balancing research, retaining teams, continuous tech training, building networks, and fostering non-scientific research skills.

File Description	Documents
Best practices in the Institutional website	https://mjcollege.ac.in/naac/7.2.1_Best_Practices_2023-24.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

Sultan-Ul-Uloom Knowledge Hub Foundation (SUKHF): The SU Knowledge Hub at Muffakham Jah College of Engineering and Technology (MJCET)was inaugurated to support innovative startup ideas from students across disciplines, includingengineering and pharmacy. Jayesh Ranjan, Principal Secretary of Industries and Commerce,praised the hub's potential to drive Telangana's startup ecosystem, fostering entrepreneurshipand creating job opportunities. SUES Secretary Zafar Javeed emphasized the open-

door policy,allowing participation from students outside MJCET.
CEO Meraj Faheem affirmed the hub'scommitment to nurturing
innovation for societal benefit.

Drone Centre of Excellence: MJCET has established a Drone
Centre of Excellence to train students in drone
technology.Certified faculty guide students in assembling,
operating, and repairing drones, while adheringto DGCA norms.
Training covers autonomous and non-autonomous drones, with
applicationsin agriculture, surveillance, and more. Zephyr
Simulation software helps students practicebefore supervised
drone flights, preparing them for careers or startups in drone
technology.

100 kWp Solar PV Power Project: MJCET implemented a 100 kWp
solar project on campus with Mono PERC solar panels. This?60
lakh initiative reduces fossil fuel dependence, generating
1,44,000 units annually with a25-year lifespan. Inaugurated by
SUES leaders, it demonstrates a commitment to renewableenergy
and sustainability.

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

7.3.2 - Plan of action for the next academic year

Plan of action for the next academic year 1. An International
Conference is being planned during December 2025. 2. An
International Faculty Development Programme is being planned
during January 2025. 3. Extension of the present Medical
infrastructure is being planned on a larger scale. Presentlythe
college has one doctor and one medical assistant with a small
dispensary and patientroom. New facilities will include heat
strokeroom, ambulance, a lady nurse and helper staff. 4.
Introduce Information and communications technology (ICT) ways
of learning. 5. Introduction of smart boards in all classrooms,
seminar halls and conference rooms. 6. Extension of R & D
activities: MJCET is a recognized research centre of OU. The
college plansto encourage further research and patent work and
also introduce a more attractive Incentiveresearch scheme. 7.
New labs for all departments as per emerging technologies. For
example, AI & ML, Cybersecurity, AI & DS etc. requires separate
labs. 8. A sports complex is being planned with the state of

art technology for indoor and outdooractivities. 9. To apply
for autonomous status. 10 To Introduce Evening PG Programmes.
11. To start diploma courses in Core Engineering.