



MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY



ANNUAL REPORT 2024



VISION

To be a part of the universal human quest for development and progress by contributing high caliber, ethical and socially responsible engineers who meet the global challenge of building a modern society in harmony with nature

MISSION

1. To attain excellence in imparting technical education from the undergraduate to through doctoral levels by adopting coherent and judiciously coordinated curricular and co-curricular programs.
2. To foster a partnership with industry and Governmental agencies through collaborative research and consultancy.
3. To nurture and strengthen auxiliary soft skills for overall development and improved employability in a multicultural workspace.
4. To develop scientific temper and spirit of enquiry in order to harness the innovative talents.
5. To develop a constructive attitude in the students towards the task of nation-building and empower them to become future leaders.
6. To nourish the entrepreneurial instincts of the students and hone their business acumen.
7. To involve the student and faculty in solving local community problems through economical and sustainable solutions.

CORE VALUES

1. Academic integrity through honest, fair, ethical and transparent processes
2. Excellence in teaching – learning through student centric pedagogy and state of the art facilities
3. Tolerance for diversity among the faculty and students through freedom and respect for everyone without discrimination
4. Interdisciplinary interaction through elective courses, projects and R & D work
5. Faculty Development through support for qualification improvement, research, innovation and publications
6. Student development by nourishing creativity, imparting life skills and instilling social responsibility



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ADMINISTRATION

Institution Heads

Principal
Dean, Student Affairs
Registrar
Director, R & D Cell
College Librarian
Placement and Training Officer

Dr. Mahipal Singh Rawat
Prof. Syed Ferhathullah Hussainy
Mr. K. V. Narsimha Rao
Prof. Ishrat Meera Mirzana
Dr. Y. Ch. Venkateshwarlu
Mrs. K. M. Rajini

Department Heads

Civil Engineering
Computer Science & Artificial Intelligence
Computer Science & Engineering
Electrical Engineering
Electronics & Communication Engineering
Information Technology (In-Charge)
Mechanical Engineering
Basic Sciences and Humanities

Prof. Md. Hamraj
Prof. Uma N. Dulhare
Prof. Syed Shabbir Ahmed
Prof. Mohammed Haseeb Khan
Prof. Ayesha Naaz
Dr. Gouri R Patil
Prof. Mohd. Viqar Mohiuddin
Prof. Abdul Majeed

Department Associate Heads

Civil Engineering
Computer Science & Artificial Intelligence
Computer Science & Engineering
Electronics and Communication Engineering
Electrical Engineering
Mechanical Engineering

Mr. Shakeel Ayjaz
Prof. M. Upendra Kumar
Dr. Maniza Hijab
Dr. M Sabir Hussain
Mr. J. E. Murlidhar
Prof. Ishrath Meera Mirzana

Section Heads

Mathematics
Physics
Chemistry
English
Chief Co-ordinator & M.E. CAD/CAM
M. Tech. CSE
M.E. Digital Systems
M.E. Power Electronic Systems
M.E. Structural Engineering

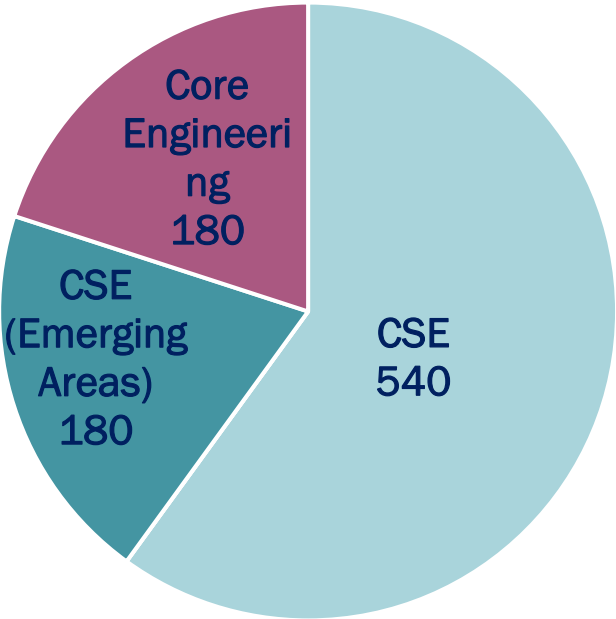
Dr. Md. Abdul Rawoof Sayeed
Dr. Shaik Kareem Ahmed
Dr. V. Shanti
Dr. Geetashri Mukharjee
Prof. Shaik Khader Vali
Prof. Fehmina Tarannum
Prof. Nazia Parveen
Mr. J. V. R. Vithal
Prof. Md. Abdullah Sharieff



VARIATIONS IN INTAKE (BE Programmes)

Variations in Intake in Academic Year 2024-2025

APPROVED COURSES in 2024-2025



Core Engineering 180	
Civil	60
ECE	60
Mechanical	60

CSE (Emerging areas) 180	
CSE (AI)	60
CSE (DS)	60
CSE (AIML)	60

CSE 540	
CSE	540

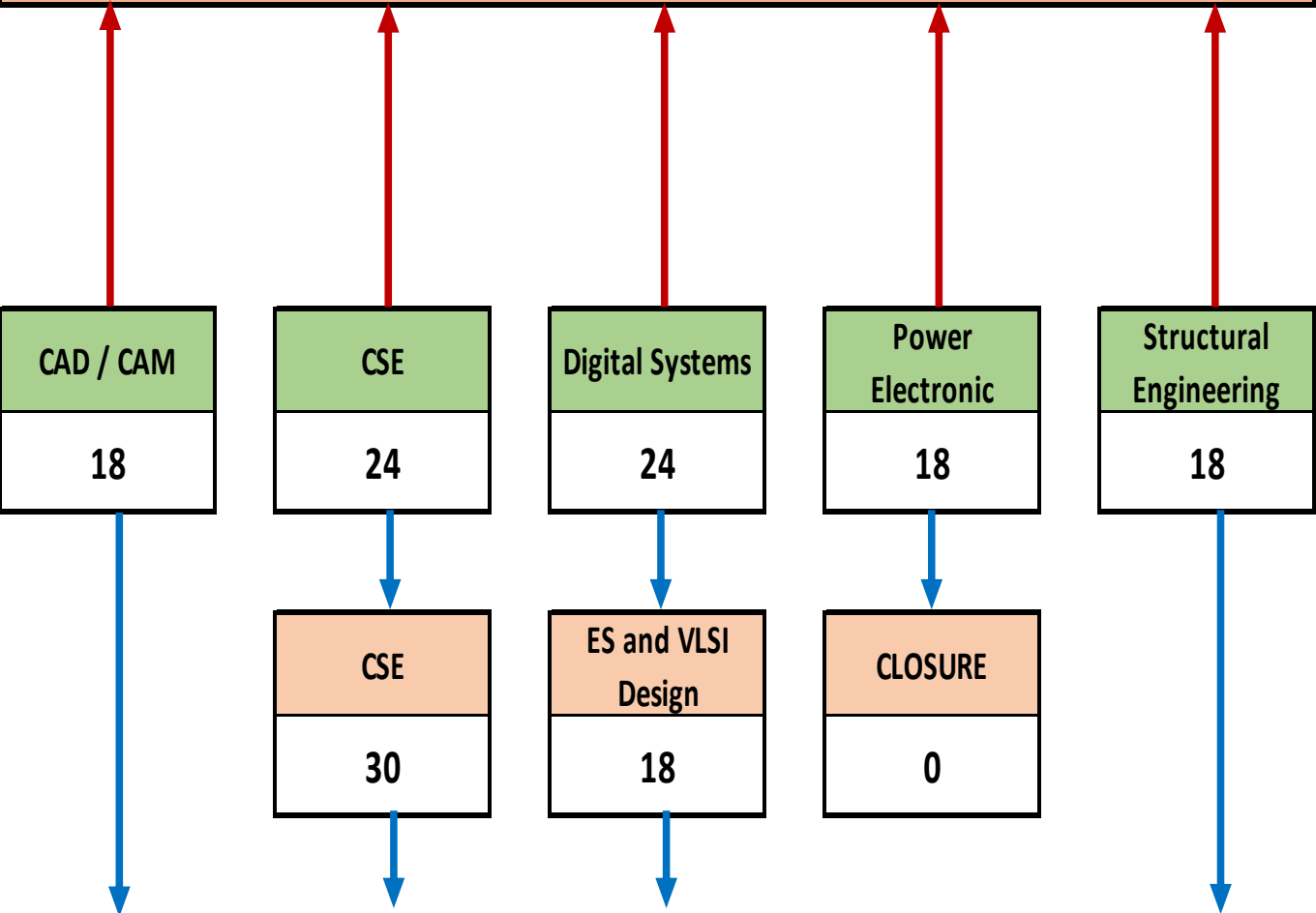
New Intake: 900



Padmashri Dr. BVR Mohan Reddy, Founder Chairman CYIENT, Chief Guest of Commencement Day 2023 addressing the freshers.

VARIATIONS IN INTAKE (M.E./M.Tech. Programmes)

EXISTING M.E. / M.Tech. INTAKE FOR AY 2023-2024 - 102



PROPOSED M.E. / M.Tech. INTAKE FROM AY 2024-2025 - 84



FACULTY – CADRE DETAILS

Civil Engineering Department

TOTAL	18
Professors	4
Associate Professors	3
Assistant Professors	11

Computer Science and Artificial Intelligence

TOTAL	17
Professors	2
Associate Professors	-
Assistant Professors	15

Computer Science and Engineering Department

TOTAL	33
Professors	2
Associate Professors	5
Assistant Professors	26

Electrical Engineering Department

TOTAL	17
Professors	3
Associate Professors	5
Assistant Professors	09

Electronics and Communication Engineering Department

TOTAL	19
Professors	3
Associate Professors	2
Assistant Professors	14

Information Technology Department

TOTAL	17
Professors	0
Associate Professors	3
Assistant Professors	14

Mechanical Engineering Department

TOTAL	23
Professors	7
Associate Professors	3
Assistant Professors	13

Basic Sciences and Humanities + Engineering Graphics

TOTAL	28
Professors	3
Associate Professors	7
Assistant Professors	18

Total Faculty = 172

Professors: 24
Assoc. Professor: 28
Assistant Professor: 120

Total Faculty Required as per norms 172

Faculty with Ph. D. 70 (41%)

Faculty Pursuing Ph. D. 69 (40%)

FACULTY – REPORT

Qualification Improvement

6 Faculty members acquired Ph. D. degree in the academic year 2023-24.

Name	Department
Dr. Mohd. Hasham Ali	MED
Dr. Nazeerunnisa	ECED
Dr. Gadala Suhasini	ITD
Dr. H.K.M. Dora	MED
Dr. V. Dharam Singh	MED
Dr. Afshan Kaleem	ECED
Dr. Syeda Arshiya Banu	Chemistry

Faculty Publications

Papers Published in

National Journals	05
International Journals	59
National Conferences	01
International Conferences	53

Total 118

Other Publications

Books Edited/Published	08
Chapters in Books	05



Faculty Achievements

Faculty Name	Description
Dr. Fahmeena Taranum, CSED	Reviewer for Springer Journals such as Soft Computing, Cluster Computing Journals.
Dr. Gouri R Patil, ITD	Conference Chair in Conference at Vasavi Engineering College
Dr. MD Asrar Ahmed, ITD	Wipro Certified Faculty – Java Full stack Certification by Wipro
Dr. Haseeb Khan, Dr. Mohammed Sajid, Mr. G Ravi Kiran, EEd	Mentor for MSME Project Funding Approved for Rs. 15 Lakh.
Dr. Sabir Hussain, ECED	“Best Paper Award” in IEEE 5th International Conference on Devices for Integrated Circuits, 2023

FACULTY – REPORT

Faculty Participation in NPTEL and other FDPs

of Faculty who attended

FDPs / STTPs	104
Workshops	15
Seminars	03
Online courses	28

NPTEL Certifications Total : 40

Gold Medal: 04
Top 1% & 2% - 01 each
Top 5% - 02
Elite - 14
Elite Silver - 17



Faculty Awards

Faculty Name	Award Description
Mr. Syed Azar Ali, ITD	Best Mentor Award by AIMERS Society
Dr. Ishrat Meera Mirzana, MED	NIEP Star Volunteer Appreciation Award from Noble Institution for Environmental Peace, Canada
Dr. MA Raheem Junaidi, MED	Young Engineer of the Year Award felicitated by GoT and Institution of Engineers, India
Dr. Gitasri Mukherjee, English	Received the Global Education Champions Award from Mr. Naveen Mittal, IAS on 16th April, 2024, an initiative of Global Education Career Forum to acknowledge the outstanding contributions of the GECF coordinators in Hyderabad.

External Grants for Research & Innovation

Funding Agency	Project Leader / Mentor	Title	Award Amount
MSME, Govt. of India	Dr. Haseeb Khan, Dr. Md. Sajid, Mr. G Ravi Kiran, EED	3D Mapping using LiDAR Drone	Rs. 15 Lakhs
MIC – AICTE, Govt. of India	Dr. Shaik Kareem Ahmmad, Associate Professor, Physics	Fabrication of Electronic Kit using to Detect Contaminants in Oils	Rs. 5 Lakhs
MIC – AICTE, Govt. of India	Dr. K . Hemalatha, Associate Professor, MED	Upper Exo-Skeleton	Rs. 4 Lakhs
AICTE - VAANI	Dr. Salma Fauzia, Maliha Naaz, ECED	Next Gen communications	Rs. 2 Lakhs

FACULTY INCENTIVES IN 2023-2024

The Sultan-Ul-Uloom Education Society has implemented a comprehensive 'Faculty Incentive Scheme' with effect from September 2021. The appraisal committee recommended award of Incentives to a total of 25 faculty members from MJCET for their contribution in Research and Development activities during the academic year 2023-2024.



SM NIZAMUDDIN AHMED CENTRAL LIBRARY



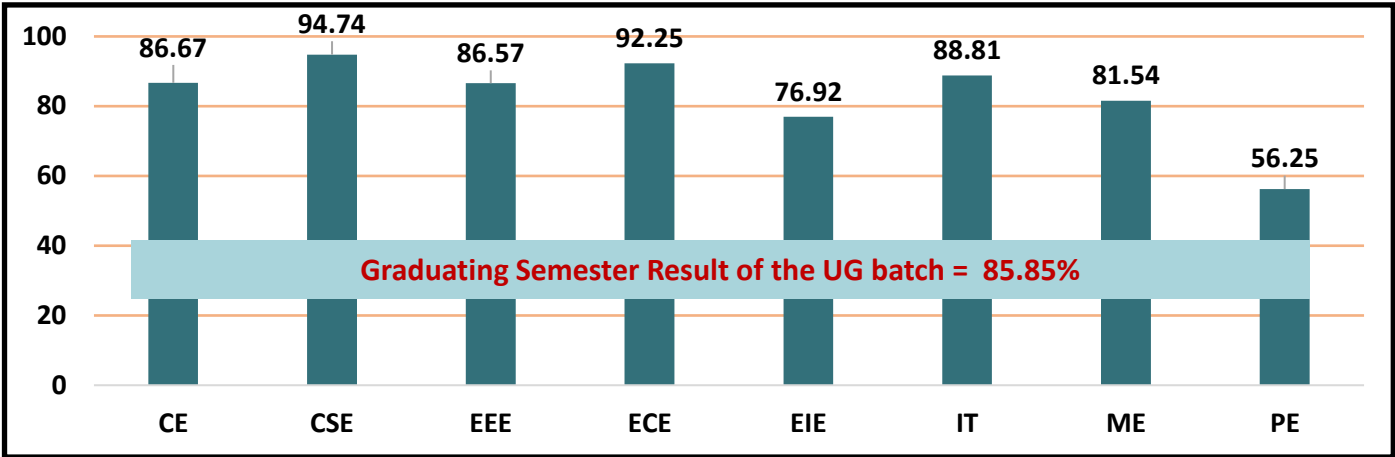
Volumes	65, 373
Titles	18, 127
Volumes / titles added in 2023	498 / 137
Expenditure on Books (2023)	Rs. 4.19 Lakhs
On-line data bases subscription	IEEE, ASCE, Science Direct
print Journals and Magazines	105
Expenditure on Journals	Rs. 17.93 Lakhs
No. of e-resources memberships ⁽¹⁾	2
Other memberships	National Library & Information Services Infrastructure for Scholarly Content (N-LIST), e-Shodh Sindhu, National Digital Library of India (NDLI)
Library automation	Fully automated with SOUL software procured from INFLIBNET
Other facilities	E-books, news papers, magazines, project reports, bound volumes of journals
E-content	Links to databases, e-books, e-lectures, e-dissertations/theses and NPTEL lectures

(1) Development Library Network (DELNET) and Information and Library Network Centre (INFLIBNET). The annual membership fees is Rs. 13, 570 and Rs. 5, 900 respectively. The membership allows access to selected international journals and inter-library loan of books and articles.

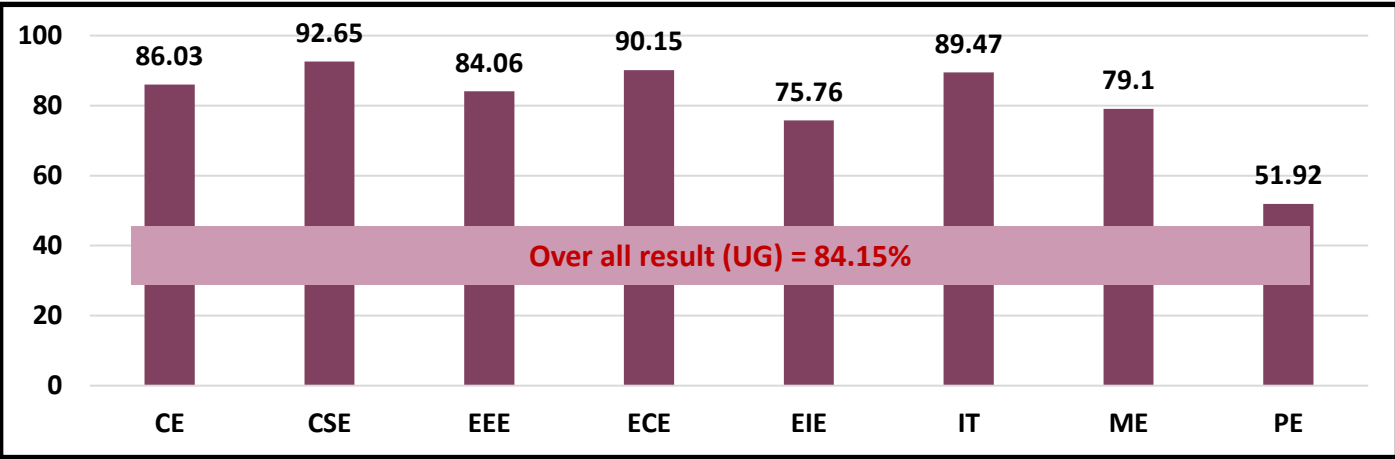


ACADEMIC RESULTS & UNIVERSITY RANKS

The final year results of the batch which graduated in 2023



The overall Results (Admitted vs. graduated)



Course	#. of Ranks	Ranks Secured
Civil Engineering	3	2, 5, & 7
CSE	2	1 & 3
EEE	2	4 & 5
ECE	1	8
EIE	8	1, 2, 3, 4, 5, 7, 9, & 10
Information Technology	3	1, 8, & 10
Mechanical Engineering	4	4, 5, 8, & 10
Production Engineering	9	1, 2, 3, 4, 5, 6, 7, 8, & 10

The class of 2023 has secured 32 ranks in the OU merit list. First rank has been secured in 4 UG programs: CSE, IT, EIE & PE

PLACEMENTS AND INTERNSHIPS

Placements of 2024 Class

S. No.	Organization	#
1	Talent Serve	65
2	ExcelR	24
3	ACADEMOR	20
4	Lakshmi Hyundai	17
5	Peketi Ventures	15
6	Shakti Auto Components	13
7	Master Works	13
8	Experian	10
9	XIT Solutions	8
10	Kodnest Technologies	7
11	Aamzon	6
12	Apps E Connect	6
13	Mahindra & Mahindra	5
14	Sales Force	5
15	Gulf Marvel	5
16	Content Era	5
17	Pentagon Space	4
18	Abacus Infra	4
19	Astra Micro Electronics	4
20	Others	21
Total (as on 14-06-2024)		257

CTC per annum

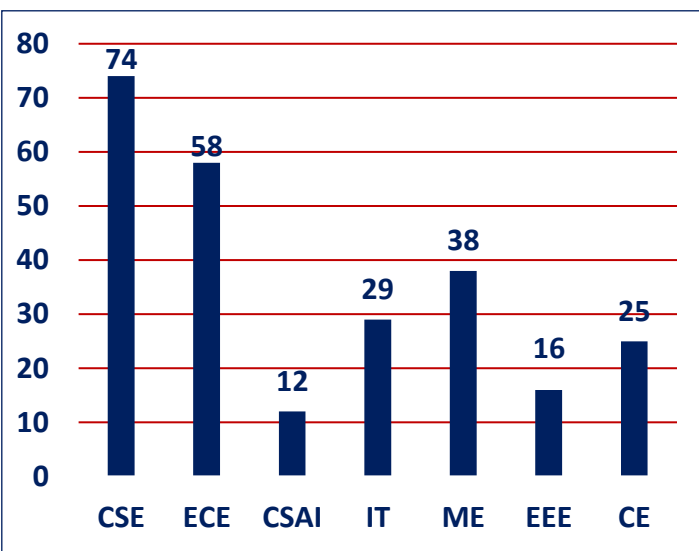
Max: Rs. 10 Lakhs

Average: Rs. 3.94
Lakhs

**Total Number of
Companies which
offered
placements**

28

Program-wise Placements



Internships offered by Internshala

Branch	IV Year	III Year	II Year & I Year	TOTAL
CSE	37	18	07	68
AIDS		3	3	06
I.T	09	07		16
ECE	06	03	01	10
MECH	10	06		16
EEE	05	12	01	18
CED	04	01	01	06
TOTAL	71	50	12	133



MASTERWORKS

MoU with Industry and Academia

MoUs signed by MJCET with Academia and Industry in 2023-2024.



The CSED of MJCET signed an MoU with Cyber Security Centre of Excellence (A joint initiative of DSCI & Government of Telangana) in presence of Dr. Sriram Birudavolu, Chief Executive Officer, CCoE.



The CSED of MJCET signed another MoU with IIIT Hyderabad's iHub Data. Main objective of MoU

1. Add-on Courses on Modern Machine learning for motivated students
2. II, III year students of MJCET have the opportunity to take a Minor Degree program in ML (of 2 year Duration). On successful completion, the students would be awarded the Minor Degree from IIIT HYDERABAD.

Summary of different categories of Patents granted/published

Utility Patent		Design Patent	Copyright	Innovation Patent
Granted	Published	Registered	Registered	Granted
9	67	14	2	23

Utility Patents Granted in Academic Year 2023-24:

- Structural Vibration Mitigation Damper (Patent No: 497526). **Inventor: Dr. G. Sailaja, MED.**
- Method for Detecting Optimal Location and coordinated control of DSTATCOM in a radial distribution network (Patent No: 527893). **Inventors: Mr. J.V.R Vittal and Dr. Rafi, EED**
- Magento Rheological Fluid Clutch System and Method of Synthesis thereof" (Patent No. 533777). **Inventors: Dr. Hemalatha and Dr. D. Srinivas Rao, MED.**
- Personal Safety system to protect individuals from Attackers (Patent No: 537162), **Inventor: Dr. Mohammed Arshad, EED.**

- Received the reimbursement of patent filing from KAPILA (Kalam Program for IP Literacy and Awareness), MIC, India for the filing of MR Damper an Amount of Rs. 2500/-.
- MJCET is registered with I-Stem for providing consultancy services across India for research facilities and technology support services.



MJCET has signed an MoU with Factory – Y, UK for company based services for commercialization of Patents, encourage innovation Eco-system etc., on April 03, 2024.

R & D Cell Activities

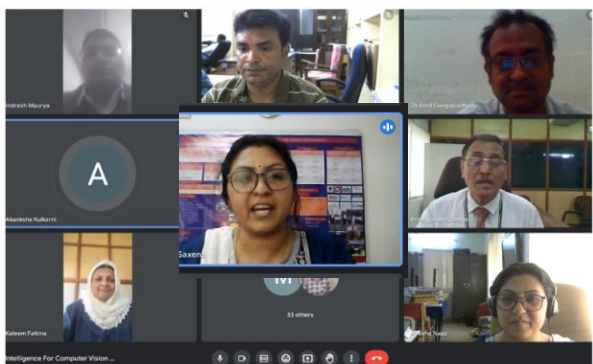
For the year 2023-24, Eleven (11) projects were approved for funding with a total cost of Rs.10,82,908/-.

Faculty Member Name	Project Details	Funding Granted
Mr. Irfan Sadaq, Assistant Professor, MED - (PI)	Design and Fabrication of an Automobile Disc Brake Rotor Test Rig	Rs. 68,993/-
Dr. Mohammed Sadak Ali Khan, Professor, Dr. V. Dharam Singh, Assistant Professor, MED	Design and Fabrication of Mechanically-driven Cleaning equipment.	Rs. 50,000/-
Dr. Mohammed Hasham Ali, Assistant Professor, MED	Design and Fabrication of Student Formula Racing Vehicle	Rs. 4,14,000/-
. Dr. Mohammed Viquar Mohiuddin, Professor, MED	Design and Fabrication of a Dual Extruder 3D Printer	Rs. 50,000/-
Dr. G. Sailaja, Associate Professor, Dr. G. Prasanna Kumar, Associate Professor, MED	Design and Fabrication of HHO Hybrid Vehicle	Rs. 34,000/-
Mr. Ahmed Abdul Muneem, Mr. K. MD. Mazharuddin, Assistant Professor, MED	Development of Friction Welding Setup for Welding of Pipes	Rs. 47,850/-
Mr. Ahmed Abdul Muneem, Assistant Prof., Dr. Mohammed Viquar Mohiuddin, Professor, MED	Design and Fabrication of Setup of Friction Stir Welding of Pipes	Rs. Rs. 51,300/-
Dr. K. Hemalatha, Associate Professor, MED, Dr. Uma N. Dulhare, Professor, CS AI, Mrs. B. Sucharitha, Assistant Professor, ECED	Smart Agri Four Legged Bot	Rs. 1,30,151/-
Mrs. B. Sucharitha, Assistant Professor, ECED , Dr. K. Hemalatha, Associate Professor, MED-	Terra Explorer: Earth Rover for Earth Centric Applications	Rs. 90,000/-
Dr. Ayesha Naaz, Professor, ECED ,Dr. Ishrat Meera Mirzana, Professor, MED	M.A.R.Q.S – Modular Attachments on Robotic Quadrupedal System	Rs. 94,069/-
Dr. Salma Fauzia, Assistant Professor, ECED -	Robo Fetch	Rs. 51,708/-

Workshops, Seminars and Events



Basic Sciences and Humanities Department of MJCET organized “National Science Day 2024 on 28-02-2024, Mr. B Ravindranad, Scientist, DMRL Hyderabad, delivered a talk on Role of AI and ML.



MeiTY GoI Sponsored FDP in collaboration with E&ICT, NIT Warangal on “Role of Artificial Intelligence for Computer Vision and Medical Imaging Applications” 4-12th March 2024, in ECED, MJCET.



Technical Visit to Left Bank Power House, Neelam Sanjeev Reddy Sagar Dam Project, Srisailam, 29-02-2024.



An Event on Climate Change organized by NSS-MJCET, Dr. SS Rawat, president Solar Cooker delivered a talk.



Outreach Activities: Unnat Bharat Abhiyan, etc.



As part of UBA Cell activities, Books Distribution program was carried out at 5 different Thandas of Sangareddy, and faculty also participated in 75th Republic Day in villages.



NSS -MJCET organized a Swachh Bharat Abhiyan awareness program at Govt. High School, Erramanzil, on 24-08-2023.



NSS-MJCET and EWB Chapter together organized a One-Day Medical Camp at MJCET on 15 July 2023.

Student Technical Events



Envisage 2024 – Mini-Project Exhibition organized by ITD, 30-04-2024.



Hack Revolution 2024 – Hackathon organized by CSI Chapter of CSED.



IEEE CS and CASS organized a Technical Talk named "Intellectual Rumble" on July 20, 2023. Students from various branches of engineering participated in it.



Career-maker Meetup - Microsoft Campus Visit organized by MSS Chapter of CSED on 27-04-2024 for MJCET Students.

Students Achievements



Students of EED secured 1st Place as “Early Stage Startup” for their project “Regen Bikes” demonstrated in SUKH Innovators’ Fest, 11-06-2024.



Students of ITD secured 2nd Place as “Early Stage Startup” for their project demonstrated in SUKH Innovators’ Fest, 11-06-2024.



Students of ITD and EED who secured prizes in Hack Revolution 2024 organized by CSED, MJCET.



Student of ITD secured First Place in Hack-Revolution 2024 for their Hardware based project “Wall-E”.

Students of AIDS won Hack-Z competition held on 07-10-23 with a cash prize of Rs.10,000/, organized by Osmania Technology Business Incubator. Students also won Hack-Envision held at NSAKCET, on 21-01-2024, with a cash prize of Rs. 8,000/.



GRADUATE APTITUDE TEST IN ENGINEERING 2024

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२४

ORGANISING INSTITUTE: INDIAN INSTITUTE OF SCIENCE, BENGALURU

MD Shakir Ahmed 1604-20-737-015, student of IT Final Year Qualified in GATE (Data Science & AI) with 5973 All India Rank.

He also secured 19th Rank in PGCET 2024 in Telangana State.



Games and Sports



MJCET Football Team won Tournaments at Anurag University and SNIST.



Students of MJCET won several medals in Inter College Tournaments:

1. **Abdullah Hafeez Qureshi (EE)** won 1 silver and 3 bronze medals in OU ICT Aquatics, held at GHMC Swimming Pool.
2. **Mohammed Abdullah (Civil – I year)** won Gold Medal in OU ICT Boxing Tournament.
3. **Abdul Quadir Omer (EE)** won Gold Medal in OU ICT Karate Championship held at ISL College.
4. **Mohammed Saif Ali (AIML)** won Silver Medal in OU ICT Weight Lifting.
5. **Abdul Haleem (Civil)** won Silver Medal in OU ICT Judo Championship.



MJCET Sports Meet (02-12 Jan 2024)



MJCET Annual Sports Meet for Boys and Girls – Winners in various competitions being felicitated by Janab Zafar Javeed Sahab, Hon, Secretary, SUES, and Janab Aamer Javeed Sahab, Chairman Sports Development Council, and Board Member, SUES.



MJCET Sports Meet 2024 – 02-12 Jan 2024 at MJCET.

MJCET – National Ranking and Recognitions



MJCET ranked at 40th position in India and 3rd position in Hyderabad by India Today Magazine in 2024.

MJCET has applied for NBA Accreditation and Visit of NBA Team is expected in Oct-Nov 2024.

NATIONAL RANKING BY THE WEEK MAGAZINE, 2024

79th rank among top 275 best Govt. & Private engineering colleges in India.

52nd rank among top 246 best Private engineering colleges in India

29TH rank among top 153 best Private engineering colleges in South

7TH rank among top 33 best Private engineering colleges in Hyderabad

ACKNOWLEDGEMENT

The Principal, Dean, Registrar, and HODs are thankful to the Sultan ul Uloom Education Society for its timely guidance. The contribution of faculty, staff and students in the academic success is acknowledged. We are also thankful to the print and electronic media for giving excellent coverage of activities and creating greater visibility of MJCET at State and National level.



Muffakham Jah

College of Engineering and Technology

Mount Pleasant, Road # 3, Banjara Hills,

Hyderabad – 500 034

[www. mjcollege.ac.in](http://www.mjcollege.ac.in)



International Women's Day celebrated at MJCEI on 08-03-2024, Smt. G Rekha Rani, IAS, Secretary, Government of Andhra Pradesh, was Chief Guest of the event.