



MUFFAKHAM JAH

College of Engineering and
Technology

ANNUAL REPORT
2018

VISION

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

MISSION

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



Civil Engineering Students exhibit a solar city model to the Honorary Secretary, SUES, the Advisor Cum Director, MJCET and other visitors during ADSOPHOS-2018

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Governing Council Meeting in Progress



BLOCK - 2
CSE & IT Departments



BLOCK - 3
Civil, EE and Mech. Workshops & Labs.



BLOCK - 1
Civil, ECE, EE and Mechanical Depts.



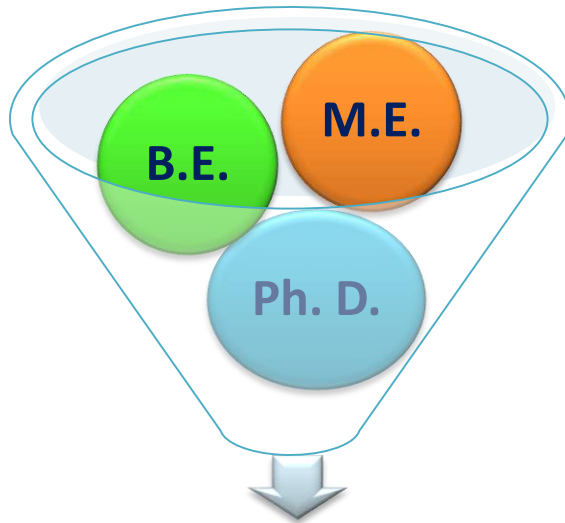
BLOCK - 4
Seminar Hall, Graphics
Computer Lab and Class Rooms



BLOCK - 5
Administration, Amenities, Library,
PG-section and CSE, ECE, IT class rooms

ADMINISTRATION

	Advisor Cum Director	Dr. Basheer Ahmed
COLLEGE ADMINISTRATION	Principal	Dr. K. Krishnan
	Dean, Academics	Prof. Ashfaque Jafari
	Dean Administration and Student Affairs	Prof. Syed Ferhathullah Hussainy
	Registrar	Mr. K. V. Narsimha Rao
HODs	CED	Prof. Md. Hamraj
	CSED	Prof. A. A. Moiz Qyser
	EED	Prof. Haseeb Khan
	ECED	Prof. Md. Arifuddin Sohail
	ITD	Prof. Mousmi A. Chaurasia
	MED	Prof. N. Seetharamaiah
SECTION HEADS	Mathematics	Dr. Abdul Majeed
	Physics	Prof. M. A. Khadeer
	Chemistry	Prof. Y. Arun Kumar
	English	Dr. Nirmala Rita Nair
ASSOCIATE HEADS	CED	Mr. Shakeel Ayjaz
	CSED	Prof. Syed Shabbeer Ahmed
	EED	Dr. J. Namrata Manohar
	ECED	Mr. J. K. Nag
	ITD	Dr. Devasish Pal
	MED	Prof. Md. Viquar Mohiuddin
P.G. COORDINATORS	CAD/CAM	Prof. Shaik Khader Vali
	CSE	Prof. Uma Dulhare
	Digital Systems	Prof. Ayesha Naaz
	Power Electronic Systems	Mr. J. V. R. Vithal
	Structural Engineering	Prof. Md. Abdullah Sharieff
LIBRARY AND PLACEMENTS	Chief Librarian	Prof. B. Satyanarayana
	Director Placements Cell	Mr. Arun Chandra
	Placement Officer	Prof. S. M. Farooq Basha

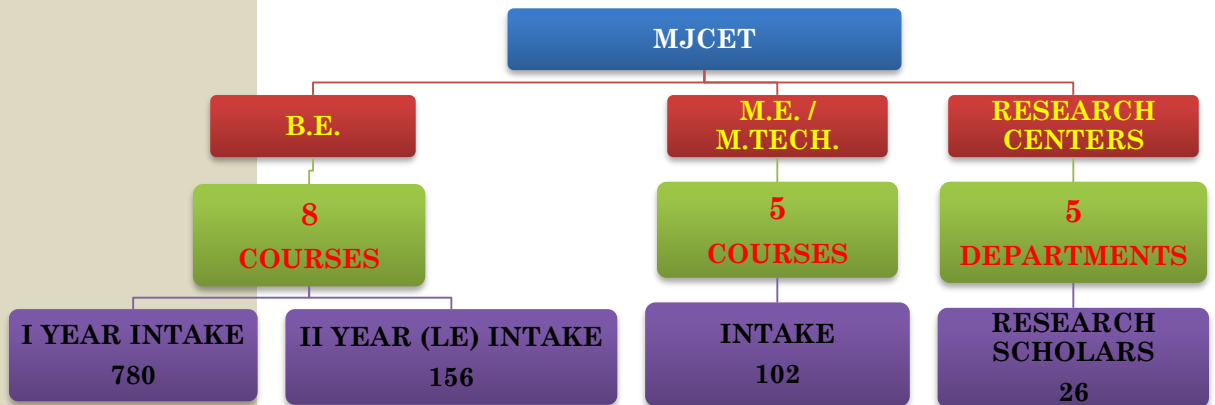


Total Students on Rolls
3507



Glimpses of Graduation Day - 2017





Intake of Courses Leading to B.E. Degree

Civil Engineering	120
Computer Science and Engineering	120
Electrical and Electronics Engineering	60
Electronics and Communication Engineering	120
Electronics and Instrumentation Engineering	60
Information Technology	120
Mechanical Engineering	120
Production Engineering	60
Total intake in B.E. Courses	780

Intake of Courses Leading to M.E. / M. Tech. Degree

CAD/CAM	18
Computer Science and Engineering	24
Digital Systems	24
Structural Engineering	18
Power Electronics and Systems	18
Total intake in M.E. / M. Tech. Degree	102

Research Centers

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



Dr. Qamar Sultana, Assistant Professor, CED being felicitated by GC Chairman on acquiring Ph. D. degree



Dr. Umar Farooq, Associate Professor, CSED being felicitated by GC Chairman on acquiring Ph. D. degree

FACULTY

(1) F S R

New AICTE norms

1:20 for B.E.

1:12 for P.G.

To be implemented incrementally in OU affiliated Colleges

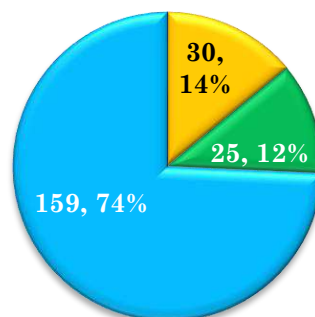
Department / Section	Sanctioned Posts	Available Faculty
B.E. Courses		
Civil Engineering	24	23
Computer Science & Engineering	24	24
Electrical and Electronics Engineering	12	12
Electronics and Communication Engg.	24	26
Information Technology	24	22
Electronics and Instrumentation Engg.	12	11
Mechanical Engineering	24	24
Production Engineering	12	11
I year	52	44
Total of B.E. courses	208	197
M.E. / M. Tech. Courses		
M.E. CAD/CAM	3	3
M.E. in Structural Engineering	3	3
M.E. in Digital Systems	4	4
M. Tech. in Computer Science	4	4
M.E. in Power Electronic Systems	3	3
Total of PG Courses	17	17
TOTAL OF B.E. AND P.G. COURSES	225	214⁽¹⁾

Cadre / Department	CE	CSE	EEE	ECE	EIE	IT	ME	PE	BS & H
Professors	6	4	2	4	1	2	5	2	4
Associate Professors	4	6	3	2	2	2	3	2	1
Assistant Professors	16	18	10	24	8	18	19	7	39

Faculty with Ph. D.
52
(23.5%)

Faculty Pursuing Ph. D.
71
(42.8%)

Cadre Distribution



- Professors
- Associate Professors
- Assistant Professors

Publications

- ✓ Journals – 80
- ✓ Conferences – 73

Participation

- ✓ Seminars – 46
- ✓ Workshops/FDP-35

Award of Ph. D. Degree

Dr. Qamar Sultana, CED	Dr. Mohammed Ismail B, EED
Dr. Md. Mahmood Ali, CSED	Dr. Ishrath M. M., MED
Dr. Umar Farooq, CSED	Dr. Syed Amanullah H., Math
Dr. G. Prasanna Kumar, MED	

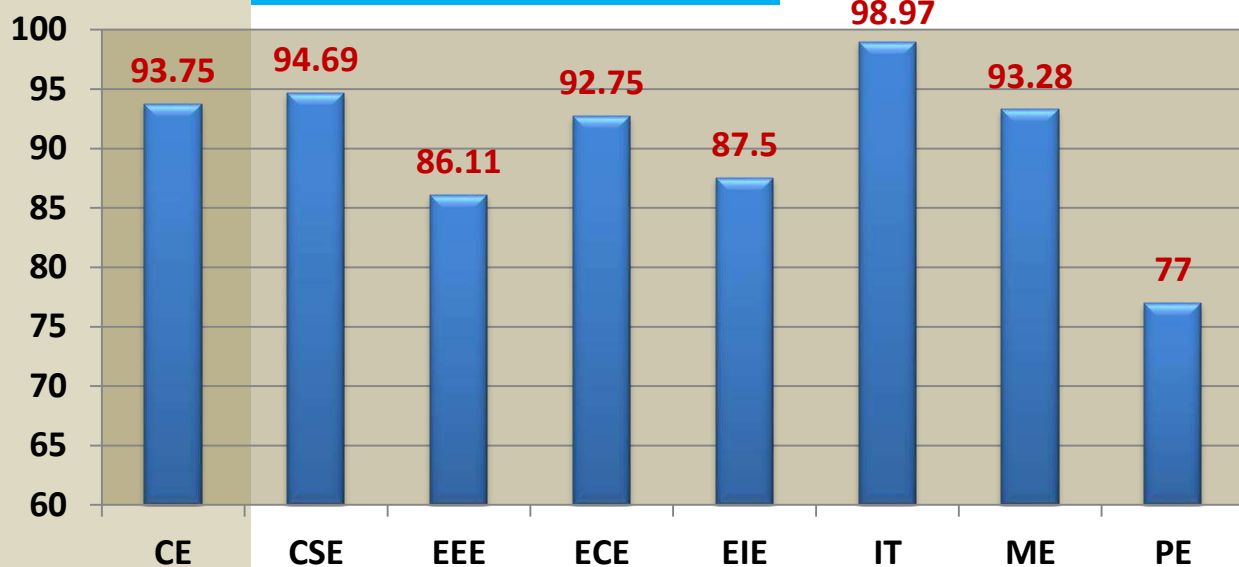


Glimpses of Graduation Day - 2017

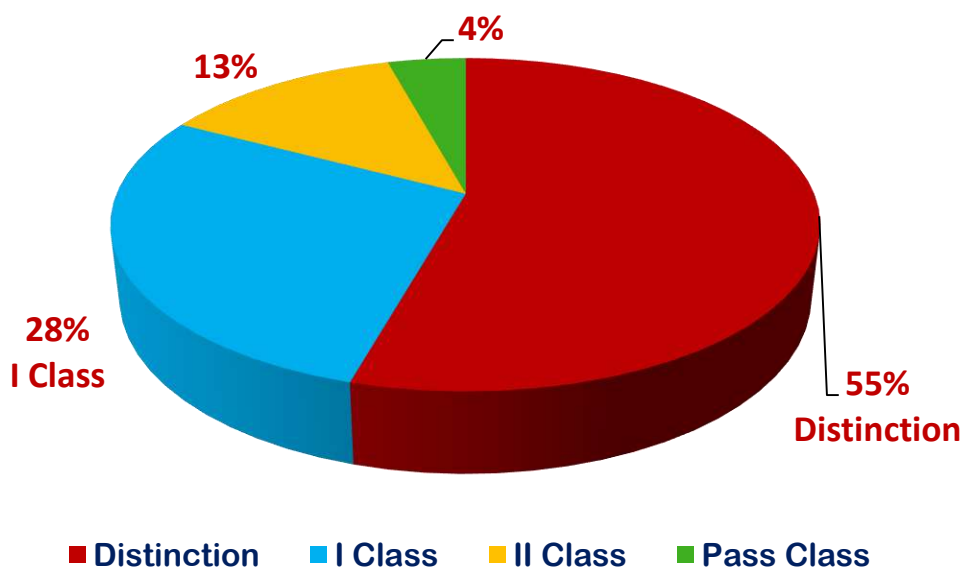


RESULTS

Academic Year 2016-2017



**M.E. /
M. Tech.
Results
100%**



OU Ranks - 2017

Course	No. of Ranks
Civil Engineering	5
EEE	2
ECE	3
EIE	6
IT	2
Mechanical Engineering	2
Production Engineering	1
TOTAL	21

**I Rank in
EEE
EIE
PROD**



Students placed in Amazon



Students placed in Cyient, Genpact and NTT Data



Students placed in Infosys

PLACEMENTS

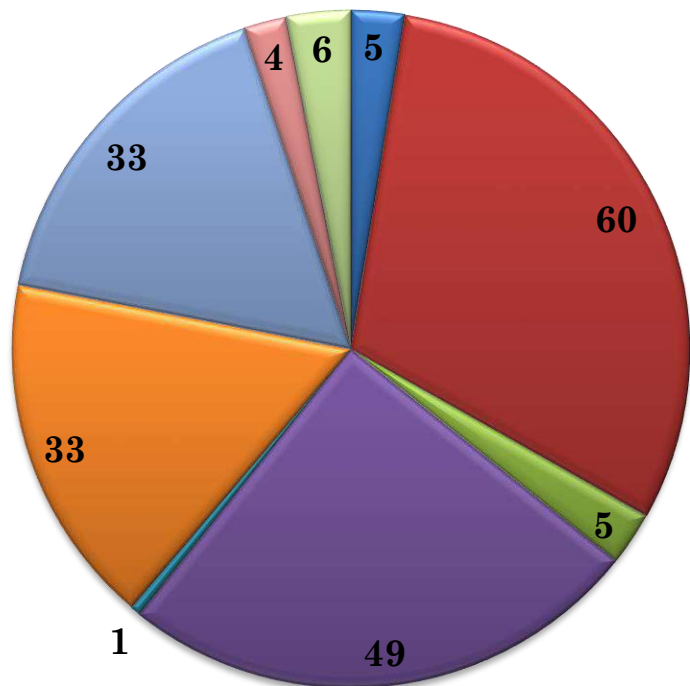
Company	# of offers
Infosys	68
Amazon (Customer Service)	59
Amazon (Alexa)	20
Genpact	16
Cyient	8
NTT Data	7
Xtream IT	6
Axness Technologies	6
Wipro Technologies	3
Multiplier Solutions	2
Service Now	1
Total	196

Highest Offer

Rs.10.92 Lakh / anum
(Service Now)

Average Offer

Rs. 2.66 Lakh / anum



■ CE ■ CSE ■ EEE ■ ECE ■ EIE ■ IT ■ ME ■ PE ■ PG

TWO STUDENTS OF IT AND FOUR OF ECE PLACED IN CAPGEMINI AS 'SAP CONSULTANTS' AFTER SUCCESSFUL GLOBAL CERTIFICATION IN SAP - ABAP



One Week STTP on 'Data Science Applications and Practices in R'



One Week Faculty Development Workshop on 'Big Data Analytics and Deep Learning'



IEEE CAS Membership Development Workshop on "IOT"

ACADEMIC ACTIVITIES

IT DEPARTMENT

Data Science Applications and Practices in R
One Week Short Term Training Program
13-12-2017 to 18-12-2017

Guest Lectures

Game Theory with Applications to Security
Autonomous Car
Applications of Fuzzy Logic

CSE DEPARTMENT

Big Data Analytics and Deep Learning
One Week Faculty Development Workshop
03-01-2018 to 08-01-2018

Guest Lectures

Big Data Analytics
IBM Cloud Essentials
Machine Learning using Azure ML Studio

EE DEPARTMENT

Electric Power Systems
Two-Week ISTE STTP
July 2017
(Organized in collaboration with IIT Kharagpur)

Hardware in the Loop Simulation for Smart Grid Application
Two-Week ISTE STTP
November 2017
(Organized in collaboration with NITTR Chandigarh)

ECE DEPARTMENT

IEEE CAS Membership Development Workshop on "IOT"
26-08-2017 to 28-08-2017
(Funded by IEEE CAS Headquarters)

IEEE Distinguished Lectures by eminent Professors

Prof. Alex P James, University of Kazakhstan
Prof. Mohammed Mustafa Hussain, KAUST, Saudi Arabia
Prof. Anthony A. Maciejewski, Colorado State university, USA

**SUPRA - SAE
INDIA - 2017**



**GO-KARTING
(NKRC-2017)**



**MEGA - ATV
CHAMPIONSHIP
2018**



ADSOPHOS - 2018



NEN TEAM OF E-WEEK 2018

STUDENT ACTIVITIES

MED SAE SUPRA 2017

SUPRA SAE INDIA

(National Engineering Student Formula Car Racing Competition)
Buddh International Circuit, Greater Noida
26-06-2017 to 01-07-2017
Students designed and fabricated a Formula Racing Vehicle and participated in the competition

MED GO-KARTING (NKRC-2017)

NATIONAL KART RACING CHAMPIONSHIP – 2017

(India's biggest Karting festival)
RPM circuit, Bhopal
29th September to 3rd October 2017
Students designed and fabricated Go-Kart vehicle and participated in the competition

MED Mega ATV Championship

MEGA ATV-2018

(National Racing Championship)
Nashik, Maharashtra
24th to 26th February 2018
Students designed and fabricated an All Terrain Vehicle and competed in the event to secure first position in Telangana State

ECELL

NATIONAL ENTREPRENEURSHIP NETWORK (NEN) E-WEEK 2018

10th February to 16th February 2018
MJCET won Two Awards
✓ NEN E-Leader of the Year Award
✓ E Week Star 1st Runner Up Award

IEEE

- ✓ IEEE-Robotics and Automation Society conducted a 2 Day IOT Workshop in October 2017
- ✓ IEEE CAS/EDS Hyderabad Chapter conducted a 1 Day workshop on VLSI Front End Design and Verification in March 2018
- ✓ IEEE-ICS Chapter conducted a 2 Day workshop on Android Application Development in September 2017
- ✓ IEEE-CIS organized tutorial talk on Applications of Fuzzy Logic using Matlab in August 2017 and a 1 Day workshop on Game Theory with applications to security in October 2017
- ✓ IEEE-PES conducted 3 Day workshop on Overhead Power Lines Safety in October 2017

MICROSOFT STUDENT SOCIETY

- ✓ Conducted a 1 Day workshop on Machine Learning using Azure ML Studio in February 2018

ANNUAL FEST

ADSOPHOS – 2018

10-11 February 2018
Technical events and Project Exhibition by all Departments

3-D Printer on display during ADSOHOS-2018



3-D Printer on display during ADSOHOS-2018

Display of Robots developed for ROBOCON – 2018 competition in Pune



A Robot offering Bouquet to the Chairman, SUES



COLLEGE IOT based sprinkler system



SEED FUNDING

Budget for in-house R & D Projects (2017-2018)	– Rs. 10 lakh
No. of Project Proposals received for funding	– 26
No. of Projects approved by R & D Committee	– 11
Amount sanctioned for the year 2017-2018	– Rs. 8.04 lakh

HIGHLIGHTS

Successfully designed and fabricated the following

- ✓ **IOT Based 3-D Printer**
- ✓ **Pneumatic Quadruped Robot**

- ✓ Strong emphasis on Multi-disciplinary Projects in area of ROBOTICS and other product developments in 2017-2018
- ✓ 5 Multi-disciplinary collaborative projects sanctioned between ECE, EE and MED
- ✓ IOT projects are being aggressively pursued by the students
- ✓ Collaboration between Engineering and Basic Science Department also observed – Civil and ECE students have collaborated with Physics Department

SANCTIONED PROJECTS 2017-2018

S. No.	Project Title	Departments	Amount Sanctioned (Rs.)
1	Pneumatic Quadruped Robot	ECED + MED	79,966
2	IoT based Smart 3D Printer	EED + ECED + MED	32,380
3	Humanoid Robot- Phase 2	ECED + MED	75,828
4	Security Patrolling Autonomous Robot	ECED	54,205
5	Automated Navigation System with Indoor Assistance for the Blind (ANISAB)	ITD	45,350
6	ISMART- Automated Classroom using IoT an initiative towards Thing Speak	CSED	45,880
7	Analysis of Air Pollution using a Quad copter	EED	48,800
8	Fabrication of oxide nano particles for gas sensor applications	ECED + Physics	30,500
9	Effect of nano particles in thermal and mechanical properties of ordinary Portland cement	CED + Physics	22,000
10	Fabrication of electronic kit using spectrophotometric method to detect contaminants in Oils such as olive oil and vegetable oil	Physics	13,000
11	Smart Energy Auditing and validation of in-use state and stand-by state power consumption in EED, MJCET to optimize power consumption and suggest cost-effective and safety measures	EED	38,970

TMRIES Pilot Project
Phase – 2
Group photo with the
school students



3 – Day IOT
Workshop at
ITENAS University
Indonesia



Pneumatic
Quadruped
Robot



Pneumatic
Quadruped
Robot



Outreach Activities

Robotics Workshop for TMREIS Schools

- ✓ External Academia TMRIES Pilot Project Phase – 2 covering 42 TMRIES schools organized on 12th, 13th and 20th August 2017.
- ✓ 126 Students presented with awards in a ceremony on 29-08-2017.

BODHI School, Medak

2 – Day Elementary workshop on Robotics for school children

KNOWLEDGE DISSEMINATION

ITENAS University, Indonesia

3 – Day IOT Workshop organized from October 10 to 12, 2017

IEEE-CASS Networking Initiative

IEEE-CASS sponsored one-day IoT outreach program under ‘Techno-Meetup’ at University of Colombo, Sri Lanka

ANVESHANA – 2017

(AGASTYA International Foundation)

- ✓ ‘ANVESHANA’ is a Science and Engineering Fair structured around the concept of mentoring students from underprivileged Government or Government aided schools to design and build models or projects around identified social problems
- ✓ Three Mechanical, Two ECE Students along with two students from TMRIES school presented the Pneumatic Quadruped Robot at the event and won II prize of Rs. 25, 000

MENTORING CHILDREN OF GOVERNMENT SCHOOL

DRUSE

(DRDO Exposition)

- ✓ ‘The Pneumatic Quadruped Robot was selected in the DRDO Robotics and Unmanned Systems Exposition (DRUSE) during South Zonal competition at Bengaluru
- ✓ The National Level Competition is scheduled on 24th and 25th May, 2018 at DRDO, New Delhi.

POSTSCRIPT

NEN E-Leader of the Year Award presented to Abdul Aziz Talib



**ANVESHANA
2nd AND 4th Prize
Winners**



**SAP - ABAP Global
Certification**



Prof. Arifuddin Sohel, ECED



Dr. Ishrath M. M., MED

STUDENT ACHIEVEMENTS

DRDO CONTEST

DRDO ROBOTICS & UNMANNED SYSTEMS EXPOSITION

DRDO Bangalore, 29-March, 2018

First Position in South Zone

Team of ECE and MED Students

To represent South India in Final Round at National Level at DRDO
New Delhi on 24-25 May 2018

NEN LEADER OF THE YEAR AWARD 2018

NEN E-LEADER OF THE YEAR AWARD – 2018

Cash award of Rs. 60, 000

Mr. Abdul Aziz Talib

ANVESHNA 2018

ANVESHANA – 2018

State Level Project Competition sponsored by AGASTYA
2nd Prize (Rs. 25, 000) won by Md. Faisal and Md. Abdul Aziz Siddiqui
4th Prize (Rs. 15, 000) won by Arifa Sultana, Nahid Fatima, Taiyyaba
Farha, Arshad Ahmed, Ahmed Abdul Hafiz and Khaja Ilyas Pasha

HACKATHON

MJ – HACK – 2017

Organized by CSI Chapter

Sanjana Penmetsa, and Saathvika Yalavarth secured 3rd position and
Khizir Rizwi secured 4th position

SAP ABAP GLOBAL CERTIFICATION

4 Students of ECE and 2 of ITD obtained Global Certification in SAP -
ABAP and were placed in Capgemini as SAP consultants

GATE, CAT 2018

GATE RESULTS

4 students of Civil Engineering and 1 of ECE qualified in
GATE 2018

CAT RESULTS

One Student of ECE qualified in CAT - 2018

FACULTY ACHIEVEMENTS

AWARDS

COMBIND SOCIETY FOR EDUCATIONAL RESEARCH & DEVELOPMENT (CSERD)

BEST WOMEN FACULTY AWARD 2018

Presented to

Dr. Ishrat Meera Mirzana, Associate Professor, MED

IEEE HYDERABAD SECTION SIGNIFICANT VOLUNTEER SERVICE AWARD 2017

Presented to

Dr. Mohammed Arifuddin Sohel, Professor, ECED

**Engineer's Day and
Science Day
Celebrations**



**Envisage - 2018
and
Innovatia Panoply-'18**



**GRADUATION DAY - 2017
CHIEF GUEST
Dr. Shailendra Kumar Joshi
Chief Secretary, GoT**



**TMREIS AWARD FUNCTION
CHIEF GUEST
Mr. B. Shafullah, Secretary, TMREIS**

CHIEF GUEST

**Mr. Jayesh Ranjan
Principal Secretary
for Industry &
Commerce and IT
Departments,
GoT**



Commencement Day - 2017 on the occasion of starting of new academic year

COMMEMORATIVE EVENTS

NATIONAL SCIENCE DAY - 2018

Celebrated on 28-02-2018

ENGINEER'S DAY - 2017

Celebrated on 15-09-2017

MINI PROJECT EXHIBITIONS

ENVISAGE - 2018

Organized by IT Department
(09-04-2018)

INNOVATIA PANOPLY - 2018

Organized by CSE Department
(07-04-2018)

GRADUATION DAY - 2017

GRADUATION DAY – 2017

03-04-2018

(For distribution of Provisional Certificates to the students of 2017 Batch)

CHIEF GUEST

Dr. Shailendra Kumar Joshi, IAS
Chief Secretary, Government of Telangana

COMMENCEMENT DAY - 2017

COMMENCEMENT DAY – 2017

29-07-2017

(For orientation of students admitted in I semester of AY 2017-18)

CHIEF GUEST

Mr. Javesh Ranjan
Principal Secretary, Industry & Commerce and IT Departments
Government of Telangana

TMREIS AWARD FUNCTION

EXTERNAL ACADEMIA MJCET ROBOTICS CLUB AND TMREIS AWARDS FUNCTION

29-08-2017

(For presenting awards to 126 TMREIS school students who excelled in the
Robotics Workshop)

CHIEF GUEST

Mr. B. Shafiullah
Secretary, TMREIS

OTHER VISITORS

- ✓ Prof. Alex P James, Chair, EED , University OF azakhstan visited MJCET on 01-07-2017
- ✓ Prof. Anthony A. Maciejewsk, Head, Department of Electrical and Computer Engineering, Colorado State University visited MJCET on 29-03-2018

**The Medal Winners @ MVSR Inter Engineering Tournament
& Reliance Youth Foundation Tournament**



The winning Basketball Team



The winning Football Team



Winner of Bronze Medal in athletic event

100 m race



**MJCET
Girls Sports Fest - 2018**

GAMES & SPORTS

CHAMPIONSHIPS WON

Basket Ball Team (Boys)

MVSR Inter Engineering Tournament
[20 and 21 March, 2018]

Carroms Team (Boys)

MVSR Inter Engineering Tournament
[20 and 21 March 2018]

Carroms Team (Girls)

MVSR Inter Engineering Tournament
[20 and 21 March 2018]

Badminton (Girls)

MVSR Inter Engineering Tournament
[20 and 21 March, 2018]

RUNNER UPS

Lawn Tennis (Boys)

O.U. Inter College Tournament organized by Osmania
University [16th October 2017]

Basket Ball Team (Boys)

OU Inter College Tournament at Bhavans [27 & 28 Nov 2017]
St. Joseph Inter College Tournament [25 & 26 Nov 2017]

Football Team (Boys)

Reliance Youth Foundation Tournament, Loyola College
[12-17 November 2017]

Carroms Team (Boys)

OU Inter College Tournament, CBIT on 10-11 February 2018
BITS Pilani national Inter Engineering Tournament at
Hyderabad [20-21 March, 2018]

Badminton (Girls)

MVSR Inter Engineering Tournament
[20 and 21 March, 2018]

Chess (Boys)

BITS Pilani national Inter Engineering Tournament at
Hyderabad [20-21 March, 2018]

TOURNAMENTS ORGANIZED

Events organized by the Department of Physical Education, MJCET

Inter College Lawn Tennis (Men) Tournament
on 16th October 2017 at Indra Park, Secunderabad.

MJCET Girls Sports Fest

On 24th and 25th February 2018.



Inauguration of Student Activity Center, MED



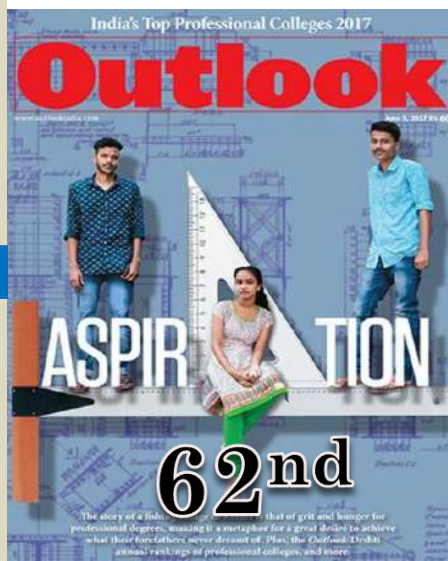
Inauguration of Concrete Laboratory in CED



Student Activity Center, CED and relaying of corridor flooring



RANKING



INFRA DEVELOPMENT

- ✓ 150 P4 Computers replaced with Core i3 (7th Generation) computers in CSE and IT Departments
- ✓ New Concrete Laboratory in CED for M.E. Students
- ✓ Remodeling of Metallurgy Lab in MED
- ✓ Establishment of Student Activity Center in CED and MED
- ✓ Relaying of corridor flooring in Block - 3

RANKING

MJCET IN
TOP 151-200
BAND IN NIRF RANKING



Ministry of Human Resource Development
Government of India

MJCET
Placed in the band of Top 151-200 Colleges in the
Country

OUTLOOK

(National English Weekly Magazine)

62nd

Among Top 100 Government and Private Engineering Colleges in India

THE WEEK

(National English Weekly Magazine)

56th

Among top 100 Private Engineering Colleges in India

ACKNOWLEDGEMENT

The Advisor cum Director, Principal, Deans and HODs are thankful to the Sultan ul Uloom Education Society for its timely guidance during the last academic year. The contribution of faculty, staff and students in the academic success is acknowledged. We are also thankful to Print and Electronic Media for giving excellent coverage of activities and creating greater visibility of MJCET at State and National level



Graduation Day held at Muffakham Jah College

Over 1000 students graduated from Muffakham Jah College...



All set for Mega ATV racing championship

The college is all set for the Mega ATV racing championship...



City students faculty win at NEN E Week 2018 in Delhi

A team of students and faculty from Muffakham Jah College won the NEN E Week 2018...



Graduation Day held at Muffakham Jah College

Another graduation ceremony at Muffakham Jah College...



Graduation Day held at Muffakham Jah College

Another graduation ceremony at Muffakham Jah College...



అల్లుల పరిచిన ఆవిష్కరణలు

అల్లుల పరిచిన ఆవిష్కరణలు - మొదటి ద్వారా పనిచేసే యంత్రాలు...



MJCET develops ATV to participate in National Racing Championship

MJCET has developed an ATV to participate in the National Racing Championship...



Student chapter inaugurated

The student chapter of the Institution of Engineers (I.E.) was inaugurated...



అల్లుల పరిచిన ఆవిష్కరణలు

అల్లుల పరిచిన ఆవిష్కరణలు - మొదటి ద్వారా పనిచేసే యంత్రాలు...



NIRF rankings: lack of patents deny TS colleges top-100 slot

Due to a lack of patents, TS colleges are denied a top-100 slot in NIRF rankings...



రేసింగ్ ప్రదర్శనకు 'జా' విద్యార్థులు

'జా' విద్యార్థులు రేసింగ్ ప్రదర్శనకు ముందుకు...



'Envisage - 2018' conducted at MJCET

The 'Envisage - 2018' competition was conducted at MJCET...

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