CONTENTS

INSTITUTE VISION

To be 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.

INSTITUTE MISSION

1. To attain excellence in imparting technical education from the undergraduate through doctoral levels by adopting coherent and judiciously coordinated curricular and co-curricular programs.
2. To foster 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 multi cultural work space.
4. To develop scientific temper and sprit of enquiry in order to harness the innovative talents.
5. To develop 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.

DEPARTMENT VISION

Fostering a bright technological future by enabling the students to function as leaders in software industry and serve as means of transformation to empower society through ITeS.

DEPARTMENT MISSION

To create an ambience of academic excellence through state of art infrastructure and learner-centric pedagogy leading to employability in multi-disciplinary fields.

PROGRAM EDUCATIONAL OBJECTIVES

1. Graduates will demonstrate technical competence and leadership in their chosen fields of employment by identifying, formulating, analyzing and creating efficient IT solutions.
2. Graduates will communicate effectively as individuals or team members and be successful in varied working environment.
3. Graduates will demonstrate lifelong learning through continuing education and professional development.
4. Graduates will be successful in providing viable and sustainable solutions within societal, professional, environmental and ethical context

PROGRAM OUTCOMES

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

FACULTY ACHIEVEMENTS

1. Dr. Mousmi Ajay Chaurasia, Professor & Head, ITD was felicitated at IEEE Annual General Meeting 2019 for her significant contributions to IEEE Hyderabad Section

2. The following faculty members have successfully completed NPTEL FDP.
     i.   Mr. Md. Asrar Ahmed
     ii. Ms. Munavvara Tahaseen
     iii. Mr. Mohd Abdul Wajid
     iv. Ms. Sayyada Hajera Begum
     v.   Mr. Md. Riyazuddin
     vi. Mr. Md. Afroze
     vii. Mr. Himaythullah Sharief
     viii. Mr. Ibrahim Khalilullah

3. Ms. Gouri R. Patil, Associate Prof. has been added as an ITD representative in Women Grievances and Redressal cell, MJCET.

4. Mr. Mohd. Pasha was nominated as MJCET Coordinator – Student Advisory for the maintenance of Online Mentoring portal.

WORKSHOP/CONFERENCE PARTICIPATION BY FACULTY

1. Mr. Md. Riyazuddin, Asst. Prof attended a one week FDP on "Data Science and advance AI" from 3-8 Jan 2019 organized by CSE dept, MJCET.

2. Dr. Mousmi Ajay Chaurasia Prof & Head ITD attended a one-day NPTEL SPOC workshop on 19th Jan 2019 at IITM Chennai.
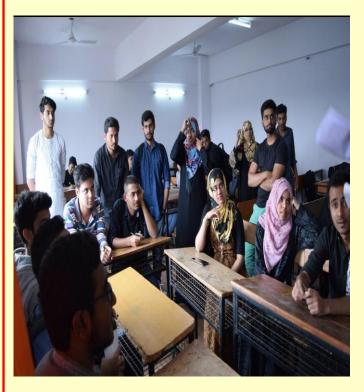
STUDENT ACHIEVEMENTS

1. Mr. Md Sadath(III/IV) and Md. Gafoor (III/IV) has successfully passed NPTEL online exam for the subject Data Science for Engineers conducted on 31st March 2019.

2. Mr. Hadi Ali (III/IV) and Mr. Mohd Azeem (III/IV) secured second position in Imagine Hack, a hackathon organized by Microsoft students' academy of MJCET.

3. Ms. Batul (I/IV), Ms. Isra (I/IV) and Mr. Maaz Khan (I/IV) won the consolation prize in Hack Revolution 12-hrs Hackathon organized by CSED, MJCET.

4. Mr. Mujtaba (IV/IV) got his project "self balancing vehicle" selected in top 10 innovative projects at innovators challenge, a state championship held at Osmania university on 7th April 2019.

5. Mr. Qhizer shareef (II/IV) has completed a 1 month course on ethical hacking from internshala.

STUDENT ACTIVITIES

1. Roadies 2.0

The event was organized by ACM student chapter on 25th January 2019. It had a preliminary round which consisted of 2 sub rounds - Personality test and group discussion. Moderators evaluated the participant's performance in group discussion which had all the on-going trending topics. After completion of this, participants were sent to the final round where a panel was set up. Each participant had to face the panel who asked them various questions based on their GD and the answers they wrote in personality test and gave them tasks like role-play, showcase your talent etc. to test their mentality and confidence. After going through the interview round winners were declared.

2. Blind Coder

The event was organized by ACM student chapter on 1st March, 2019. It was a two round event based on IQ and critical thinking of the students. First round was the basic IQ quiz which was a general and logical quiz. In the second round the participating student was given a code with some minor errors then the monitor is switched off and the one who debug and compiles the program first was declared the winner. The idea behind this event was to promote team work and to help the new students settle in the new environment.

3. Envisage

The Information Technology Department conducted Envisage-2019, a Mini project exhibition cum competition for II/IV & III/IV students on 30th March 2019. The motive behind this Exhibit is to bring awareness in students about the project development for IT and the enabled services through both software and hardware platforms. All the students were required to put up their mini projects that address the need of the society and make use of state of the art technologies to better service the global community.

As part of the adjudication process for the mini project exhibits Experts were invited for the event from Academia & Industry. The Invited Experts were:

1. Group Captain A.V. Reddy, Scientist, DRDL
2. Group Captain M.V. Reddy, Scientist, DRDL

Both the experts from DRDL appreciated the efforts of the department and the students in exhibiting the efforts in organizing and conduct of the event.

Dr. Basheer Ahmed, Director-cum-Advisor, Dr. Ashfaque Jaffari, Dean Academics, Dr. Farhatullah Hussaini, Dean Administration and other faculty members of the department visited the exhibition and interacted with the students and provided them with suggestions for improvement.

Three batches each from II and III year were given best mini project prizes and all the participated students were given the participation certificates.

4. Adsophos

Adsophos-2019 was conducted on 11th and 12th of February. Various events were organized and managed by the students of the Information Technology Department. The events were aimed at bringing awareness among students towards understanding of professional responsibilities, social responsibilities, and environmental consciousness and meet the program outcomes.

The faculty coordinators for the events were Mrs. Farha Nausheen (Asst. Prof-ITD) and Mr. Shaik Rasool (Asst. Prof-ITD). The student coordinators were Mr. Mir Faraz Ali and Mr, Abdul Aziz of Final year.

The various events conducted in the department as part of Adsophos were Project Display, Paper Presentation, Code Juring, Tech Extreme, Code Ventures, Infoquest, and Auction House. All the events were organized and coordinated by students under the supervision of department faculties.

The projects displayed by IT students at Ghulam Ahmed Auditorium included Wi-FAI, IoT based Home Automation , Moving Arduino Bot, Face Recognition, Smart Health Care System, Computer Control Using Hand Gestures, Stick with a mind.

All the staff members extended their support for the smooth conducted of the proceedings of the Event. Students also got a lot of appreciation from the other departments for their efforts.

CAMPUS PLACEMENT

Organizations	2018-19
Infosys	18
Wipro Elite	1
Amazon	6
NTT DATA	1
Axness technologies	1
Genpact	5
Cognizant Technologies	1
Value Labs	4
Service Now	1
TCS	2
Total Job offers	**40**

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MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY
INFORMATION TECHNOLOGY DEPARTMENT
B.E. III, V, and VII Semester
ACADEMIC YEAR 2019-20

Sl. No.	Event / Activity	Scheduled Date
1	Pre-semester meeting	01-07-2019
2	Commencement of Class work	08-07-2019
3	Final Year Project Registration	01-08-2019
4	Course Counseling	19-08-2019 to 22-08-2019
5	**Class Test I**	**26-08-2019 to 30-08-2019**
6	Distribution of Corrected Scripts of Class Test I and Entry of Class Test I Marks in Assessment matrix.	03-09-2019 to 07-09-2019
7	Feedback	03-09-2019 to 07-09-2019
8	Display of attendance up to 07-09-2019 and Class Test I Marks	12-09-2019
9	Submission of Attendance up to 07-09-2019	13-09-2019
10	Meeting / counseling with parents of students having less than 65% of aggregate attendance up to 07-09-2019 and/or scoring less than 40% marks in Class Test I	16-09-2019 to 21-09-2019
11	**Engineers Day(15.9.2019) Celebration 2019**	**14-09-2019**
12	Course Counseling	01-10-2019 to 5-10-2019
13	**Dasara Vacation (Short Vacation)**	**7-10-2019 to 13-10-2019**
14	**Project Review - I**	**14-10-2019 to 16-10-2019**
15	**Class Test II**	**21-10-2019 to 25-10-2019**
16	Distribution of Corrected Scripts of Class Test II and Entry of marks in Assessment Matrix	30-10-2019
17	**Last Date of Instruction**	**02-11-2019**
18	Submission of Final attendance up to 19.10.2019	25.10.2019
19	Preparation and Practical Examinations	04-11-2019 to 23-11-2019
20	Display of Final Internal Assessment Marks and Attendance up to 02-11-2019 on Department Notice Boards	06-11-2019
21	Display of List of Detained Students	04-11-2019
22	Intimation of Errors and Discrepancies by Students to HODs	06-11-2019 to 08-11-2019
23	Submission of Sessional Marks to O.U. Examination Branch	16-11-2019
24	Commencement of Theory Examinations	23-11-2019
25	**Submission of Course files & Registers**	**25-11-2019**