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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 spirit 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.*

DEPARTMENT ACHIEVEMENTS

1. IEEE Computational Intelligence Society Hyderabad chapter is organizing a 6-day Summer School on Computational Intelligence: Theory, Implementation and Applications from Nov 22- 27 lead by Dr. Mousmi Ajay Chaurasia, Head ITD and MJCET is chosen as the venue partner for the same. IEEE CIS/GRSS chapter has been granted funds of \$11,000 for the same.
2. Department has been sanctioned funds for the Research & Development projects.

GUEST LECTURES

Expert talk on “Conceptual Learning on Artificial Neural Networks”

The expert talk was arranged for the BE (IT) III year students on 12th April 2018 and was presided by Professor T. Sobha Rani, Associate professor, University of Hyderabad. The complete talk revolved around the area of Artificial Intelligence.

The topics covered in the talk were:

1. Properties of artificial neural nets.
2. Supervised learning
3. Representation of information in ANN.
4. MLP training algorithm.
5. Properties of radial basis function network.



FACULTY ACHIEVEMENTS

PAPERS PUBLISHED BY FACULTY

1. Sayyada Hajera Begum, et al., published a paper on “A Comparative Analysis of Differential Privacy Vs other Privacy Mechanisms for Big Data” at “IEEE- International Conference on Inventive Systems and Control” (ICISC – 2018) indexed in IEEE Xplore held on 19th and 20th January 2018 at Coimbatore, Tamilnadu-India.
2. Farha Nausheen, et al., published a paper on “Healthcare IoT: Benefits, Vulnerabilities and Solutions” at “IEEE- International Conference on Inventive Systems and Control” (ICISC – 2018) indexed in IEEE Xplore held on 19th and 20th January 2018 at Coimbatore, Tamilnadu-India.

WORKSHOP/CONFERENCE

PARTICIPATION BY FACULTY

1. Following faculty members attended one week faculty development program on Big Data Analytics and Deep Learning from 3rd Jan – 8th Jan 2018 held at CSE Dept, MJCET.
 - i. Sayyada Hajera Begum
 - ii. Farha Nausheen
 - iii. Shaik Rasool
 - iv. Mohd Afroz
 - v. Md Riyazuddin

STUDENT ACHIEVEMENTS

1. Syed Uzair of IV year secured first position in project presentation at convergence 2k18, VNR Vignana Jyothi Institute of Engineering and Technology on Feb 2018.
2. Ms Ayesha Ajani for IV year worked as an intern game developer at Tharros Game Studio from January 2018 to June 2018.

3. Ms Syeda Ruqhaiya Fatmia of II year secured first position in Throwball and second position in tennikoit in inter department tournament held at MJCET on 2 & 3 April 2018.

STUDENT ACTIVITIES

Expert talk on Autonomous Car – A new Driver for Resiliency and Testability

The expert talk was organized by IEEE MJCET student branch in collaboration with IEEE Hyderabad section on 7th January 2018. Speaker of the session was Dr. Nirmal R. Saxena, a fellow member of IEEE and working as engineer at NVIDIA. He has a profound experience in fault tolerant computing and was cited for his contributions to reliable computing. The talk was focused on gradient descent algorithm, NVIDIA Volta GPU, Entropy for precise results and all parameters need to be considered during implementation of Autonomous car.



ENVISAGE 2018

The Information Technology Department organized a Mini Project Presentation contest Called Envisage on 9th April 2018. Ms. G. Vani and Mr. MDV Prasad were the event coordinators. All the students of Second and Third year exhibited their Mini Projects and three batches from II and III year were given best mini project prizes and all the participated students were given the participation certificates.





The events were aimed at bringing awareness among students towards understanding of professional responsibilities, social responsibilities, and environmental consciousness and meet the program outcomes.



ADSOPHOS' 2018

Adsophos-2018 was conducted on the 11th and 12th of February. Various events were organized and managed by the students of the Information Technology Department. The faculty coordinators for the events were Mrs. Fouzia Sayeedunissa (Associate Prof-ITD) and Mr. Shaik Rasool (Asst. Prof-ITD).



UPCOMING EVENTS

- IEEE Summer School
- Guest lectures on latest trends
- Industry Institute Interaction Programs for academic subjects
- Technical Events
- IEEE and ACM Events

EDITORIAL BOARD

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**MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY B.E. III,
IV Semester and IV YEAR I Semester ACADEMIC YEAR 2018-19
INFORMATION TECHNOLOGY DEPARTMENT**

Sl No.	Event / Activity	Scheduled Date
1	Pre-semester meeting	02-07-2018
2	Commencement of Class work	02-07-2018
3	Final Year Project Registration	25-07-2018
4	Submission of attendance up to 28-07-2018	30-07-2018 to 31-07-2018
5	Meeting / Counseling with parents of students having less than 65% of aggregate attendance up to 28-07-2018	01-08-2018 to 04-08-2018
6	Course Counseling	07-08-2018 to 10-08-2018
7	Commencement of Project Seminar	01-08-2018
8	Class Test I (In syllabus coverage up to 25-08-2018)	30-08-2018 to 01-09-2018
9	Distribution of Corrected Scripts of Class Test I and Entry of Class Test I Marks in Assessment matrix.	04-09-2018 to 07-09-2018
10	Feedback	04-09-2018 to 07-09-2018
11	Submission of Attendance up to 01-09-2018	04-09-2018 to 07-09-2018
12	Display of attendance up to 01-09-2018 and Class Test I Marks	10-09-2018
13	Issue of Progress Report, Meeting / counseling with parents of students having less than 65% of aggregate attendance up to 01-09-2018 and/or scoring less than 40% marks in Class Test I	11-09-2018 to 15-09-2018
14	Engineers Day Celebration 2018	15-09-2018
15	Course Counseling	01-10-2018 to 6-10-2018
16	Dasara Vacation (Short Vacation)	15-10-2018 to 20-10-2018
17	Submission of Attendance up to 13-10-2018	22-10-2018 to 23-10-2018
18	Class Test II	22-10-2018 to 24-10-2018
19	Distribution of Corrected Scripts of Class Test II and Entry of marks in Assessment Matrix	27-10-2018
20	Last Date of Instruction	27-10-2018
21	Submission of Final attendance up to 27-10-2018	29-10-2018 to 31-10-2018
22	Preparation and Practical Examinations	29-10-2018 to 17-11-2018
23	Display of Final Internal Assessment Marks and Attendance up to 27-10-2018 on Department Notice Boards	02-11-2018 to 03-11-2018
24	List of Detained Students	03-11-2018
25	Intimation of Errors and Discrepancies by Students to HODs	06-11-2018
26	Submission of Sessional Marks to O.U. Examination Branch	17-11-2018
27	Commencement of Theory Examinations	19-11-2018
28	Day6 Compensations	Day4 (16-08-2018) and Day5 (04-10-2018)
29	Submission of Course files & Registers	25-11-2018