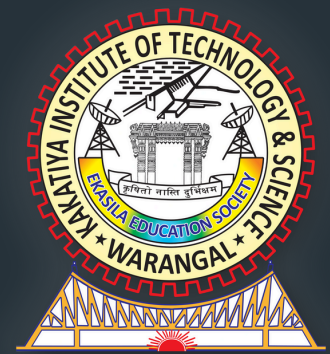


PULSE

DEPARTMENT OF MECHANICAL ENGINEERING



ESTD-1980
KITSW



Dr. K. Ashoka Reddy

Principal, KITSW

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Dr. P. SRIKANTH

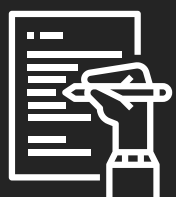
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Professor & Head



Editors-in-charge

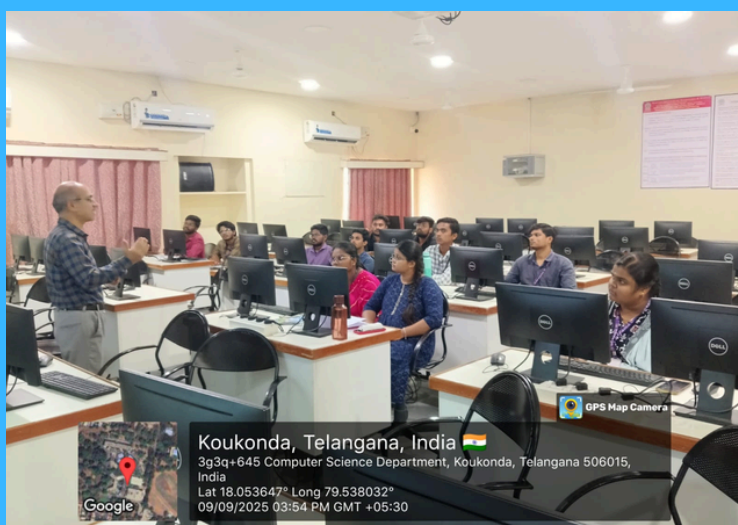
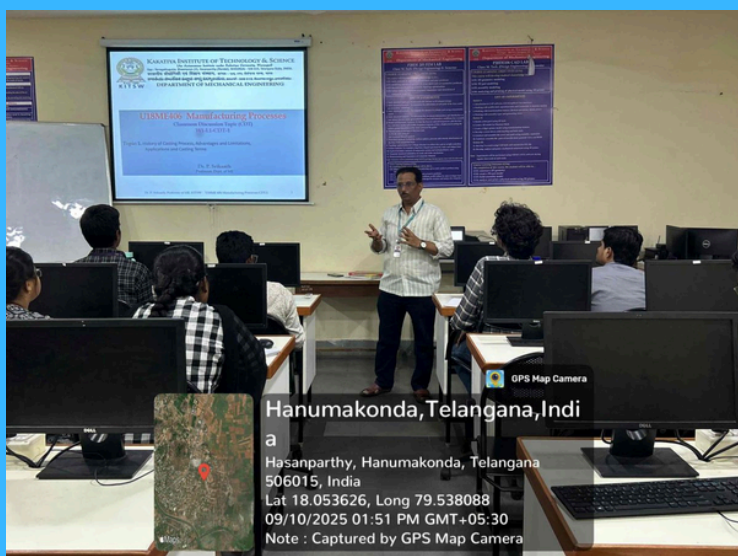
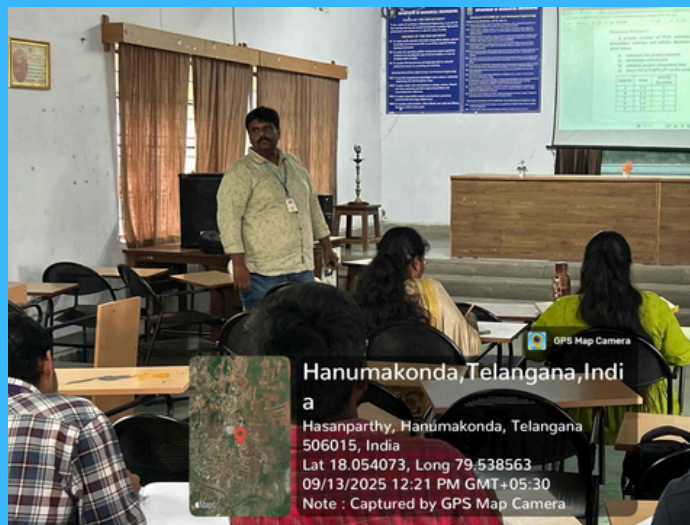
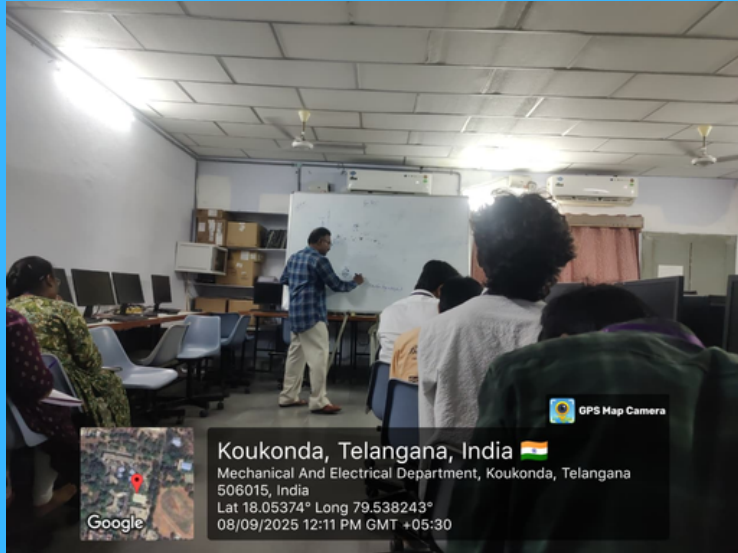
Sri S.Ramesh , *Assistant Professor*
Sri V. Pradeep, *Assistant Professor*



Student Editorial Board

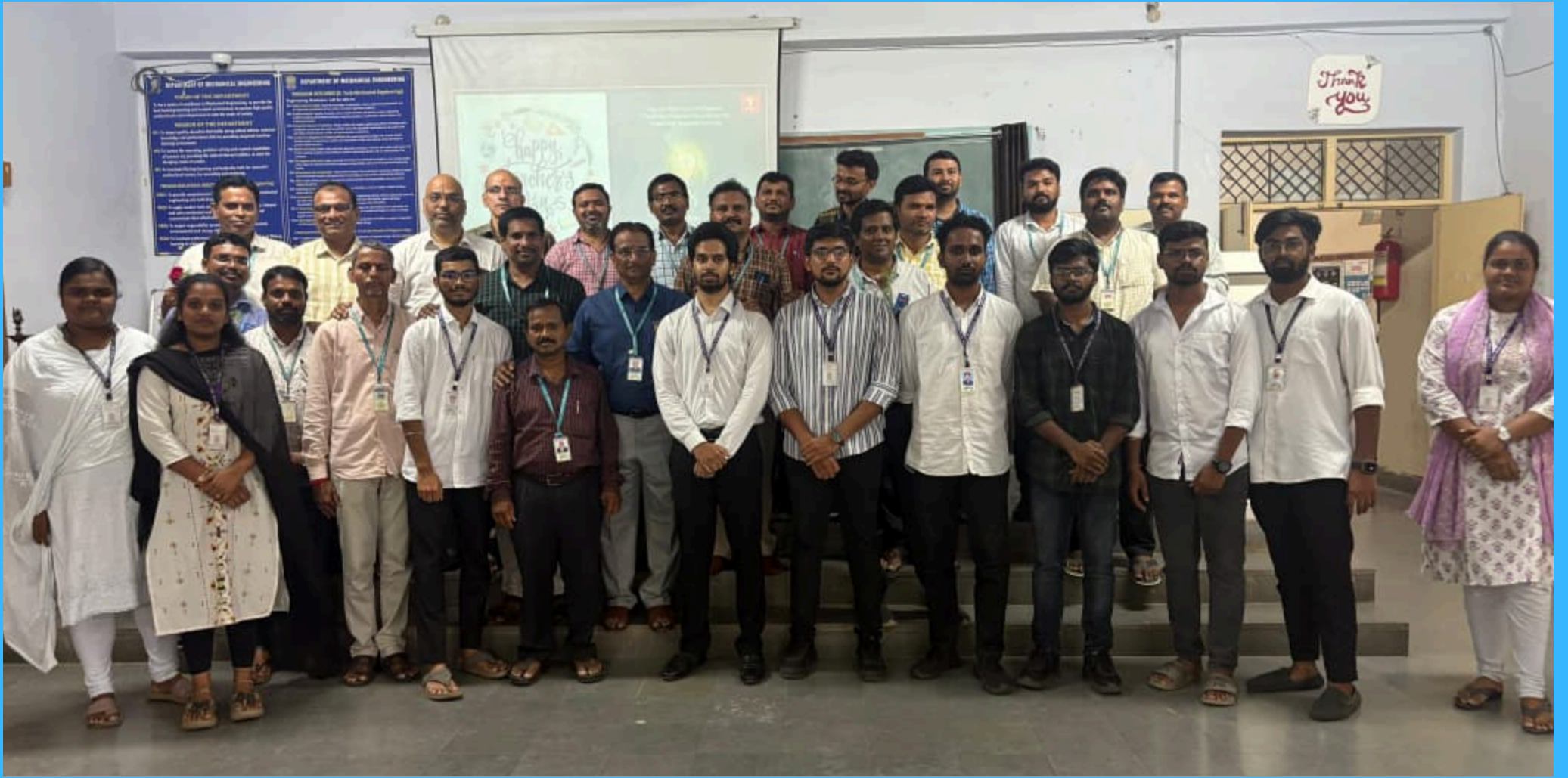
Mr.Syed Shadman Hussian (*IV/IV*
B.Tech.)

Training and Placement Activity for Mechanical Students



Technical training session for final-year mechanical engineering students, conducted by faculty for TechnipFMC aspirants.

Mechanical Engineering Student Association (MESA) Activity



The MESA activity included the celebration of Teachers' Day and Engineers' Day, recognizing the dedication of teachers and the role of engineers in nation-building.

Training and Placement Activity for Mechanical Students



Respected HOD Dr. P. Srikanth, sir, and Academic Coordinator Dr. G. Ganesh Kumar, sir, taking mock interviews for final-year TechnipFMC aspirant students.

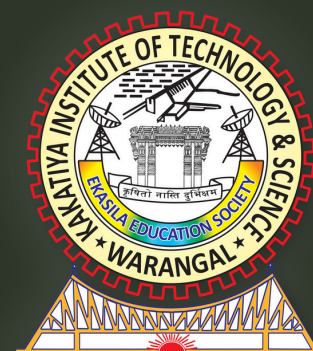
Mechanical Engineering Student Association (MESA) Activity



MESA organized a session on "Flash Talks" on 2nd September 2025 at the Mechanical Engineering Seminar Hall (B-III 210), KITS, Warangal.

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KITSW



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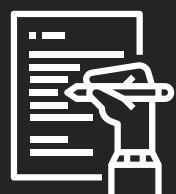
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Editors-in-charge

Sri S.Ramesh , Assistant Professor
Sri V. Pradeep, Assistant Professor



Student Editorial Board

Mr.Syed Shadman Hussian (IV/IV
B.Tech.)

SUMSHODHINI' 2025 EVENTS

As a part of the two-day departmental technical fest Sumshodini'25, organized by the Department of Mechanical Engineering, Kakatiya Institute of Technology & Science, Warangal, the second day – 18th October 2025 – was dedicated entirely to a series of student-centered technical competitions and creative challenges.

The day focused on encouraging innovation, teamwork, and the practical application of engineering principles through six well-structured events. Each event was coordinated under the supervision of faculty advisors and student organizers from the Mechanical Engineering Students Association (MESA).

The events conducted on Day 2 were:

1. Tech Titans
2. CAD Combat
3. AssembleX
4. The Blend Battle
5. Crazy Construct
6. Aqua Blast

The events witnessed enthusiastic participation from various departments, students who actively showcased their technical expertise, creativity, and engineering knowledge.

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University, Warangal)
(Accredited by NAAC with 'A' Grade)

SUMSHODINI'25
18th - 19th October 2025

DEPARTMENT OF MECHANICAL ENGINEERING
Presents

THE BLEND BATTLE
Where Material Meets Innovation
Registration fee per Team of 4: ₹ 450

CRAZY CONSTRUCT
Rube Goldberg mechanism
Registration fee per team of 3: ₹ 200

AQUA BLAST
The Water Rocket Challenge
Registration fee per student: ₹ 50

Explicit Dynamics
Simulating high speed events using Ansys LS-DYNA
Registration Fee per Student: 600/-
Sponsored By: CREST OVERSEAS EDUCATION CONSULTANTS

CAD COMBAT
The Ultimate Design Battle
Registration fee per student: ₹ 70

TECH TITANS
CRAFTING THE FUTURE OF ENGINEERING (POSTER/IDEA /PAPER PRESENTATION)
Registration Fee: ₹ 70/- per head

ASSEMBLEX
Time to Assemble your Way to Victory
Registration fee per Team of 4 ₹ 100

Scan here to Register

Student Coordinators
Syed Shadman Hussain - 76808 37296
B. Deekshitha - 8367684301
D. Abhiram Rao - 9059012740

MESA Faculty Coordinators
Sri. S. Ramesh, Asst. Prof
Sri. V. Pradeep, Asst. Prof

Head of the Department
Dr. P. Srikanth
Professor of ME

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
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SUMSHODINI'25
18th - 19th October 2025

DEPARTMENT OF MECHANICAL ENGINEERING
Presents

CAD COMBAT
THE ULTIMATE DESIGN BATTLE

18 OCTOBER, 2025

Venue: MCAD LAB B III - 224

Registration fee per student: ₹ 70

Sponsored By: CREST OVERSEAS EDUCATION CONSULTANTS

Student organizers
G. Seer Varsha - 89196 72609
B. Nithin - 72869 20137

Student Coordinator
Syed Shadman Hussain
President MESA
76808 37296

Faculty Coordinators
Dr. A. Hari Kumar, Asst. Prof.
Sri. V. Rakesh, Asst. Prof.
Sri. M. Anil Kumar, Asst. Prof.

MESA Faculty Coordinators
Sri. S. Ramesh, Asst. Prof
Sri. V. Pradeep, Asst. Prof

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18th - 19th October 2025

DEPARTMENT OF MECHANICAL ENGINEERING
Presents

TECH TITANS
CRAFTING THE FUTURE OF ENGINEERING (POSTER/IDEA /PAPER PRESENTATION)
18 OCT, 2025

Venue: Mechanical Engineering Students Association Hall B-III 210

Scan to Register
Registration Fee: 80/- per head

Sponsored By: CREST OVERSEAS EDUCATION CONSULTANTS

ORGANIZERS:
B. Deekshitha, 8367684301
Arham Sumaid, 8095217

STUDENT COORDINATOR:
Syed Shadman Hussain
7680837296

FACULTY COORDINATORS:
Dr. G. GaneshKumar, Assoc. Prof.
Sri. P. S. S. Murthy, Asst. Prof.
Dr. J. Laxman, Asst. Prof.

MESA FACULTY COORDINATORS:
Sri S. Ramesh, Asst. Prof.
Sri V. Pradeep, Asst. Prof.

HEAD OF THE DEPARTMENT:
Dr. P.Srikanth,
Professor of ME

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SUMSHODINI'25
18th - 19th October 2025

DEPARTMENT OF MECHANICAL ENGINEERING
Presents

AssembleX
Time to Assemble your Way to Victory

18 OCTOBER, 2025

Registration fee per Team of 4 ₹ 100

Sponsored By: CREST OVERSEAS EDUCATION CONSULTANTS

Student Organizers
D. Abhiram Rao - 9059012740
M. Mahesh - 9573080455

Student Coordinator
Syed Shadman Hussain
President MESA
76808 37296

Faculty Coordinators
Dr. G. Srinu
Sri. V. Pradeep
Sri. P. Anil Kumar

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SUMSHODINI'25
18th - 19th October 2025

DEPARTMENT OF MECHANICAL ENGINEERING
Presents

THE BLEND BATTLE
Composite Craft

18 OCTOBER, 2025

Registration fee per Team of 4 ₹ 400

Sponsored By: CREST OVERSEAS EDUCATION CONSULTANTS

Student Organizers
M. Sairam - 7981788430
B.Sai Charan - 9347429948

Student Coordinator
Syed Shadman Hussain
President MESA
76808 37296

Faculty Coordinators
Dr. P. Prabhakar Rao, Assoc. Prof.
Sri K. Kishor Kumar, Asst. Prof.

MESA Faculty Coordinators
Sri. S. Ramesh, Asst. Prof
Sri. V. Pradeep, Asst. Prof

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SUMSHODINI'25
18th - 19th October 2025

DEPARTMENT OF MECHANICAL ENGINEERING
Presents

AquaBlast
The Water Rocket Challenge

18 OCTOBER, 2025

Registration fee per students ₹ 50

Sponsored By: CREST OVERSEAS EDUCATION CONSULTANTS

Student Organizers
Sohan Keshav - 73960 79857
B. Rajkumar - 90599 09140
Ch. Bhagwan - 98665 49896

Student Coordinator
Syed Shadman Hussain
President MESA
76808 37296

Faculty Coordinators
Dr. S. Chandramouli, Asst. Prof.
Sri. S. Ramesh, Asst. Prof.

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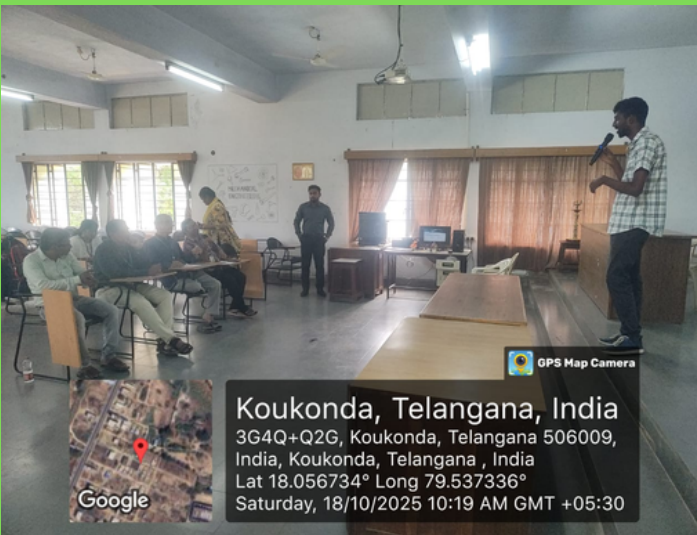
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Mechanical Engineering students actively participated in various events of SUMSHODHINI 2025.

CAD COMBAT EVENT



TECH TITIANS EVENT

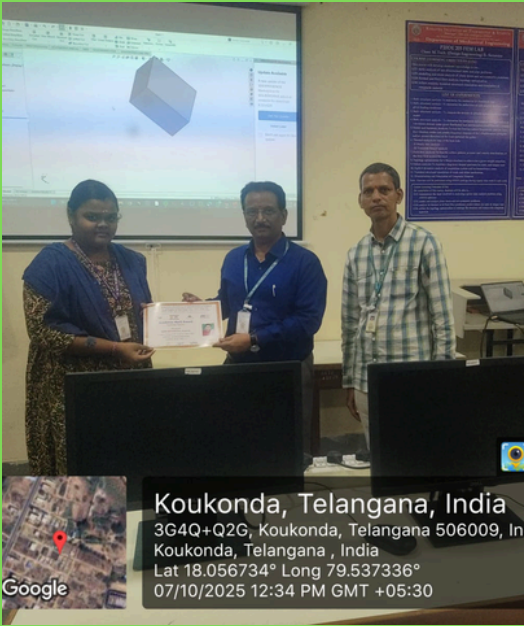


ASSEMBLEX EVENT



We are pleased to invite you to visit the Force Racing stall, located in front of the Central Workshop, set up by our department's student team as part of the ongoing tech fest- Sumshodhini 25. Your presence would be a great source of motivation for the students, who have put in tremendous effort to showcase their innovation and engineering skills.

Academic Merit Award (Semester Topper) Presentations



Sumshodhini '2025' Poster Launch



As part of the inaugural day of Sumshodhini'25, the annual technical fest of Kakatiya Institute of Technology and Science (KITSW), the Department of Mechanical Engineering, under its students' association MESA, organized a one-day workshop titled "Explicit Dynamics – Simulating High-Speed Events Using ANSYS LS-DYNA."



Hands on Practice session – ANSYS-LSDYNA

Training and Placement Activity



Respected senior Faculty Members conducting Mock interviews for final-year TechnipFMC aspirants.



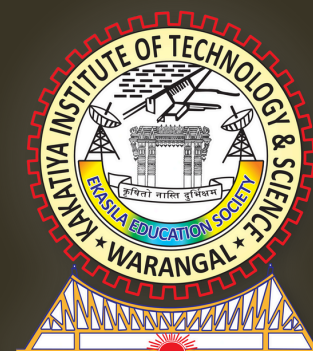
Seminar presentations for 5ME Students



Technical training Session for Technip FMC Aspirants Students

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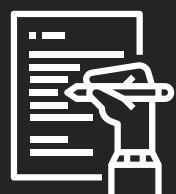
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Mr.Syed Shadman Hussian (*IV/IV*
B.Tech.)

Group photograph taken during 'Graduation Day' with the Mechanical Engineering students, marking a memorable milestone in their academic journey.



Faculty Achivement



Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR MD SAMEER
for successfully completing the course
**Artificial Intelligence and Machine Learning in
Materials Engineering**
with a consolidated score of **66 %**

Online Assignments	22.53/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **525**



Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Oct 2025
(12 week course)



Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL25MM37S572700120

To verify the certificate



No. of credits recommended: 3 or 4



Design Stream Faculty Meeting at HOD Chamber i2RE on 24.11.2025

Certificate Achievement Announcement

Dr. Sameer, Asst professor of ME, successfully completed the NPTEL course "Artificial Intelligence and Machine Learning in Materials Engineering" with Elite distinction.

Mechanical Engineering Student Association (MESA) Activity



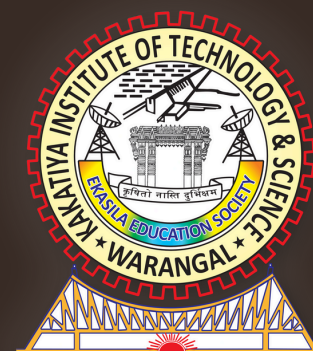
MESA organized a session on “Importance of AI in the Mechanical Engineering Automotive Design Field” by our proud alumnus Sri Srikanth Reddy on 11th November 2025, from 11:40 AM to 12:30 PM, at the MESA Hall (B-III 210).

Faculty Research Publications

1. Pradeep, V., Kumar, P., Cep, R., Reddy, R., Kumar, A., & Srivastava, A. K. (2025). Optimization of abrasive water jet machining parameters for basalt fiber/SiO₂ nanofiller reinforced composites. *Nanotechnology Reviews*, 14(1), 20250239. (SCIE)
2. Madhavi, M., & Srikanth, P. (2025). Enhancing micro-EDM performance on high carbon high chromium tool steel with Sn-coated brass electrodes. *JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY*. (SCIE)

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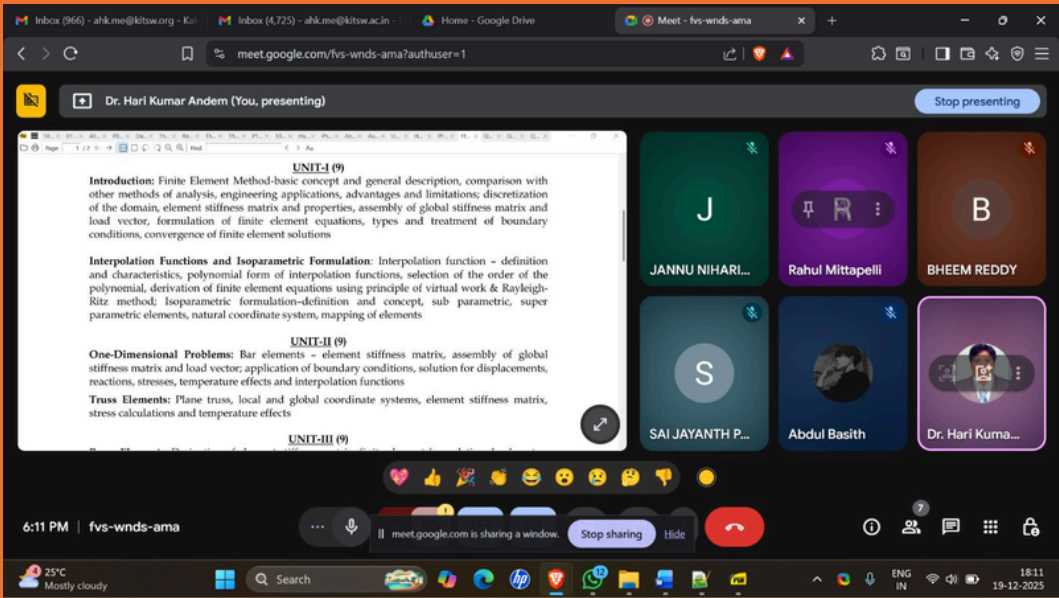
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Mr.Syed Shadman Hussian (*IV/IV*
B.Tech.)



Respected HoD, professors, and the Academic Coordinator addressing final-year students, emphasizing the importance of TPPSC examinations and placement opportunities.

Interaction of the HoD sir with the parent of a student who is facing a shortage of attendance."



Dr. A. Harikumar conducting Online Remedial class for FEM supply students conducted today from 6.00 pm to 7.00 pm for 8 students

Dr. S. Chandamouli conducting Class for TMC supply students from 4.30 pm to 6.20 pm@MSH

M. Tech Dissertation Presentations



Faculty Research Publications

- 1.Sri Ch. Karunakar, Study on the Mechanical, Morphological and Wear Rate of Jute Cellulose-Reinforced Composites ,Tribology in Industry, Vol. 47, No. 4, pp.613-622,December 2025,0354-8996,DOI:10.24874/ti.1955.06.25.08.

Mechanical Engineering Student Association (MESA) Activity



Mesa session on "Is programming essential for Mechanical engineers" by our final year student Mr. Syed Shadman Hussian, on 23.01.2025, from 11.40 am to 12.30 pm in the MESA Hall, B-III 210



MESA organized a session on "Exploring New Recycling Methods" on 30th December 2025 at the MCAD Lab.