

The Mech Manuscript

FROM DRAFTING BOARDS TO POWER PLANTS: STORIES THAT INSPIRES

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AI/ML APPLICATIONS IN MECHANICAL ENGINEERING – THE FUTURE

Good morning faculty members and dear students. Mechanical Engineering has always adapted to technological change, and today we are witnessing a major shift with the integration of Artificial Intelligence and Machine Learning. These technologies are redefining how mechanical systems are designed, manufactured, and maintained.

AI and ML are widely used in generative design, predictive maintenance, smart manufacturing, robotics, thermal systems, and energy optimization. In modern industries, intelligent machines can predict failures, improve product quality, reduce costs, and enhance efficiency. Smart factories and Industry 4.0 are clear examples of how mechanical engineering and AI work together.

The future mechanical engineer must be strong not only in core subjects like mechanics, materials, and thermodynamics, but also in data analysis, programming, and AI tools. This combination will create engineers who can innovate and lead in automotive, aerospace, manufacturing, and energy sectors.



**DR. KRISHNENDU MONDAL
(HOD, ME DEPT.)**

As a department, we are committed to preparing our students for this future by encouraging interdisciplinary learning, industry-oriented projects, and research. I urge our students to embrace AI and ML as opportunities to grow and excel.

Thank you, and I wish you all a bright and successful future.

STUDENT'S ACHIEVEMENT

It's an absolute honour for our department to share a list of student's achievement, it'll definitely encourage our junior students!

- MOHIT KUMAR SINGH PLACED AT WINDCARE INDIA PVT.LTD, AS A GET



MOHIT KUMAR



SHIBA MUKHERJEE

- SHIBA MUKHERJEE PLACED AT IMECO OVERSEAS PVT.LTD, AS A QUALITY CONTROL ENGINEER
- SUMAN CHAKROBORTY PLACED AT WINDCARE INDIA PVT.LTD, AS A GET



SUMAN CHAKROBORTY



BIKASH SINGH

- BIKASH SINGH, PLACED AT SYNNOVA GEARS & TRANSMISSIONS PVT LTD , AS A GET

ALUMNI'S ACHIEVEMENT

Not just our students, our alumnis continued to make us proud! Some of them are mentioned here!

- RAJIB NANDY, PROMOTED AS A EXECUTIVE ENGINEER AT PINNACLE INFOTECH SOLUTION , DURGAPUR



RAJIB NANDY



AMAN PANDIT

- AMAN PANDIT JOINED AT PINNACLE INFOTECH SOLUTION, DURGAPUR
- ANUP PAN JOINED AT SHARDA MOTOR INDUSTRIES LTD



ANUP PAN



RAJDEEP MONDAL

- RAJDEEP MONDAL JOINED AT UTTAM STRIPS LTD

ALUMNI'S TALK

I am Bivas Mahar, and I am pleased to share that I have joined Accumax Lab Devices Pvt. Ltd., Ahmedabad, as a Fabrication Engineer.

I am grateful to the Mechanical Engineering Department for providing me with strong technical fundamentals, practical exposure, and constant guidance from faculty members. The knowledge and hands-on training I received have helped me adapt confidently to the industrial environment.

I encourage my juniors to focus on core concepts, practical skills, and continuous learning. I sincerely thank the HOD and all faculty members for their support and motivation.

I am proud to be an alumnus of this institution. Thank you.



BIVAS MAHAR

I am Ritwik Kayal, and I am delighted to inform you that I have started my professional journey as an Engineer at Vikram Solar Ltd., Kolkata.

My time in the Mechanical Engineering Department has equipped me with strong technical knowledge, hands-on experience, and a disciplined approach toward problem-solving. The academic environment, practical sessions, and mentorship from faculty members greatly contributed to building my confidence and industry readiness.

I advise my juniors to actively engage in labs, projects, and skill development beyond textbooks. I extend my sincere appreciation to the Head of the Department and all professors for their continuous support.

I feel honored to be associated with this institution as an alumnus. Thank you.



RITWIK KAYAL

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