

# The Mech Manuscript

FROM DRAFTING BOARDS TO POWER PLANTS: STORIES THAT INSPIRES

◆ DECEMBER 2025

## **ROBOTICS AND ITS FUTURE ASPECTS IN MECHANICAL ENGINEERING!**

Robotics has emerged as a transformative force in Mechanical Engineering, redefining how we design, manufacture, and maintain systems. From industrial automation and precision manufacturing to autonomous systems and intelligent machines, robotics is reshaping modern engineering practices.

The future of robotics lies in its integration with artificial intelligence, sensors, advanced materials, and mechatronics. Mechanical engineers play a vital role in robot design, kinematics, dynamics, control systems, and structural optimization. Industries such as automotive, aerospace, healthcare, logistics, and defense increasingly rely on robotic solutions for efficiency, safety, and accuracy. For our students, robotics presents immense opportunities. A strong foundation in mechanical fundamentals, combined with skills in programming, automation, and system integration, will be essential for the engineers of tomorrow.



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

As an institution, it is our responsibility to prepare our students to meet these evolving technological demands. By embracing robotics and innovation, mechanical engineers will continue to lead the future of intelligent manufacturing and automation.

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

# FACULTY'S ACHIEVEMENT

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

- DR. KRISHNENDU MONDAL HAS COMPLETED ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON 'EFFECTIVE TEACHING AND RESEARCH' ORGANISED BY NITTR KOLKATA FROM 15TH TO 19TH DEC, 2025 ALSO HE COMPLETED FIVE DAYS ONLINE FACULTY DEVELOPMENT PROGRAM ON THE THEME FRONTIERS IN ADVANCE MANUFACTURING TECHNOLOGIES 1ST TO 5TH DEC, 2025 ORGANIZED BY IEST SHIBPUR, HOWRAH



**DR. KRISHNENDU MONDAL**



- PROF. DIBYENDU MONDAL HAS COMPLETED FIVE DAYS ONLINE FACULTY DEVELOPMENT PROGRAM ON THE THEME FRONTIERS IN ADVANCE MANUFACTURING TECHNOLOGIES 1ST TO 5TH DEC, 2025 ORGANIZED BY IEST SHIBPUR, HOWRAH. ALSO HE COMPLETED ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON 'EFFECTIVE TEACHING AND RESEARCH' ORGANISED BY NITTR KOLKATA FROM 15TH TO 19TH DEC, 2025



**PROF. DIBYENDU MONDAL**



## FACULTY'S ACHIEVEMENT

- PROF. SUBHASIS CHADA HAS COMPLETED FIVE DAYS ONLINE FACULTY DEVELOPMENT PROGRAM ON THE THEME FRONTIERS IN ADVANCE MANUFACTURING TECHNOLOGIES 1ST TO 5TH DEC, 2025 ORGANIZED BY IEST SHIBPUR, HOWRAH



PROF. SUBHASIS CHANDA



- PROF. SUBHADIP RAY HAS COMPLETED FIVE DAYS ONLINE FACULTY DEVELOPMENT PROGRAM ON THE THEME FRONTIERS IN ADVANCE MANUFACTURING TECHNOLOGIES 1ST TO 5TH DEC, 2025 ORGANIZED BY IEST SHIBPUR, HOWRAH. ALSO HE COMPLETED ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON 'EFFECTIVE TEACHING AND RESEARCH' ORGANISED BY NITTR KOLKATA FROM 15TH TO 19TH DEC, 2025



PROF. SUBHADIP RAY



## **ALUMNI'S TALK**

I am Koushik Bag, an alumnus of the Mechanical Engineering Department, currently working as a Design Engineer at Webasto Roof Systems India Pvt. Ltd. It is truly a proud moment for me to return to my department and address you all. The strong foundation in mechanical fundamentals, design concepts, and practical exposure that I gained here has played a vital role in my professional journey. My experience in the automotive design industry has taught me the importance of precision, innovation, and continuous learning. To my juniors, I would like to advise you to focus on your basics, develop strong design and software skills, and stay curious about emerging technologies. Mechanical engineering offers immense opportunities for those who are committed and adaptable.



**KOUSHIK BAG**

I sincerely thank my teachers and this department for shaping my career and giving me the confidence to grow professionally. Thank you for giving me this opportunity, and I wish you all the very best.

I am Amit Chaira, an alumnus of the Mechanical Engineering Department, and currently working as a Senior Design Engineer at Uno Minda Ltd. It is a matter of great pride for me to return to my department and share a few words with you.



**AMIT CHAIRA**

The strong fundamentals, design knowledge, and practical exposure that I gained during my student life here have played a crucial role in my professional growth. Working in the automotive industry has taught me the importance of innovation, quality, and continuous improvement.

To my juniors, my advice is simple—build your basics strong, develop your design and analytical skills, and always stay updated with industry trends. Mechanical engineering offers vast opportunities if you remain focused and committed.

I am sincerely grateful to my teachers and my department for shaping my career and guiding me throughout my journey.

Thank you for giving me this opportunity.

### CONTACT US -



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