



Department of Industrial Engineering and Management

Admission to Two Years Full Time M. Tech program in Industrial Engineering and Management (2023-24)

About Department of Industrial Engineering and Management

- The Department of Industrial Engineering and Management (IEM) under Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal launched Post Graduate Degree program in 2008.
- The department functions under the School of Engineering Science & Technology of MAKAUT in the Main Campus at Haringhata, Nadia.
- It offers two-years AICTE approved M. Tech program in Industrial Engineering and Management with an intake capacity of 30 students along with Doctoral programme.
- The department possesses state-of-the-art laboratories such as Work System Design Laboratory, Simulation Laboratory, Quality Design & Control Laboratory and Design Thinking Laboratory. University provides separate hostel facility for boys and girls students.



Curriculum at a Glance

1st Semester	Work System Design	Work System Design Laboratory	Choice of 1 Audit Course
	Production Planning and Control	Simulation Laboratory	
	Research Methodology and IPR	Choice of 2 Program Electives	
2nd Semester	Operations Research-I	Design Thinking Laboratory	Choice of 1 Audit Course
	Quality Design and Control	Quality Design and Control Laboratory	
	Mini Project	Choice of 2 Program Electives	
3rd Semester	Choice of 2 Program Electives	* The major project work in the domain of Industrial Engineering and Management related to manufacturing and service systems starts in the third semester and is extended upto the fourth semester.	
	Choice of 2 Open Elective		
	Major Project*		
4th Semester	Major Project*		

Program Electives: Discrete-Event System Simulation, Human Factors Engineering, Management and Productivity, Production Design and Process Planning, Automation in Production Systems and Management, Management of Inventory Systems, Management Information System, Logistics and Supply Chain Management, Product Design and Development, Six Sigma Fundamentals and Applications, Enterprise Resource Planning, Facility Planning and Design, Systems Analysis Techniques, Project Engineering and Management, Design of Experiments, Reliability Analysis and Prediction, Multi-Criteria Decision-Making Techniques etc.

Open Electives: Business Analytics, Industrial Safety Engineering, Cost Management of Engineering Projects etc.

Audit Courses: Statistics & Probability with R, English for Research Paper Writing and many more.

Faculty

- All faculty members are having Ph.D. from IIT, NIT, Jadavpur University, IISc Bangalore and Clemson University, USA.
- Excellent student faculty ratio enables students to explore opportunities for professional development.

Eligibility for Admission

- An AICTE approved B.E./ B. Tech degree or appearing in the final year examination in any branch of Engineering / Technology with a valid GATE/ Post Graduate Entrance Test (PGET) score conducted by MAKAUT, WB.
- Candidates with valid GATE score are eligible for AICTE scholarship.

Fee Structure

Affordable course fee. Please visit <https://makautwb.ac.in/page.php?id=220> to get the details of the fee structure.

Research / Placements

- Students are pursuing or have completed PhD/Postdoc from NITIE- Mumbai, IIT Bombay, IIT Kanpur, IIT Delhi, IIT Kharagpur, IIT Roorkee, IIT (ISM) Dhanbad, NIT Durgapur, NIT Rourkela, Jadavpur University etc.
- Students are working as faculty members in renowned institutions like IMT Hyderabad, IMT Dubai, University of Newcastle (UK), The University of Manchester, Norwegian University of Science and Technology and other institutions of repute.
- Students are also serving industries like TCS, Infosys, Wipro, Tata Steel, Kerry Indev Logistics Pvt. Ltd., FLSmidth & Co., AP Moller – Maersk and many more.