PLACEMENT BROCHURE 2020-2021

MBM Engineering College is one of the oldest engineering colleges in India. Established on 15th August 1951 by the Government of Rajasthan, the college boasts of its high academic and technical standards.

MBM Engineering College, also named as the Faculty of Engineering and Architecture, presently running 11 departments affiliated to Jai Narain Vyas University Jodhpur. JNVU Jodhpur was formerly known as University of Jodhpur established in 1962.

Department of Mechanical Engineering
M.B.M. Engineering College, Jodhpur

About the Department

The department of Mechanical Engineering, established in 1952, has been recognized world over for the excellence in academics. It is the largest department in the institute and is continuously striving to improve the quality of education to meet the needs of industries and to excel in academics and research.

At present, the department offers B.E. in Mechanical Engineering and M.E. in Design Engineering, Production and Industrial Engineering, and Thermal Engineering.The department has well equipped laboratories and workshop facilities with modern sophisticated equipments to give opportunities to undergraduate students for having hands on experience and for post graduate students to carry out research in all areas related to thermal, fluid mechanics, design and manufacturing engineering. The faculty members actively take up sponsored research and consultancy work.

The course curriculum of the department is designed with special focus to effectively meet the current challenges of the industries. The

department offers the students wide range of courses, taught by eminent professors with decades of industry and research exposure, enabling students to pursue their dream courses in-depth and build core competency. With practical exposure through two industry summer internships and regular workshops, students of Mechanical Engineering are honed in their skill sets, making them versatile and industry-ready.

Programs offered

1. Four-year B.E. in Mechanical Engineering (60 students/year)
2. Two-year M.E. in Thermal Engineering, Design Engineering and Production and Industrial Engineering (46 students/year)
3. Ph.D. programme

Academic Structures (B.E.)

- Gas Dynamics & Gas Turbines
- Power Generation
- Heat and Mass Transfer
- Production & Operation Management
- Automobile Engineering
- Facilities Location and Layout Planning
- Non-conventional Energy Resources
- Internal Combustion Engines
- Hydraulic Machines
- Manufacturing Technology
- Operation Research
- Refrigeration & Air Conditioning
- Foundry & Welding
- Fluid Mechanics
- Machine Design
- Kinematics of Machines
- Engineering Thermodynamics
- Material Technology
- Mechanics of Solids
- Mathematics
- Mechanical Measurements & Instrumentation
- Mechanical Vibrations
- Metal Cutting & Metrology
- Industrial Engineering
- Dynamics of Machines
- Industrial Organization & Management
- Finite Element Method

Academic Structures M.E. (Thermal Engineering)

- Thermodynamics
- Fluid Mechanics
- Turbomachines
- Heat and Mass Transfer
- Experimental Methods in Fluid and Thermal Sciences
- Direct Energy Conversion
- Air Conditioning

- Mathematical Methods in Engineering
- Refrigeration Engineering
- Finite Element Methods in Mechanical Engineering

Academic Structures M.E. (Production& Industrial Engineering)

- Work Study and Ergonomics
- Operation Research
- Metal Working
- Metal Cutting and Modern Machining
- Mathematical Methods in Engineering
- Material Technology
- Design Planning and Control of Production Systems
- Computer Aided Manufacturing
- Reliability and Maintenance
- Finite Element Methods in Mechanical Engineering
- Non-Conventional Machining Methods

Academic Structures M.E. (Design Engineering)

- Theory of Machines
- Tribology
- Theory of Vibrations
- Theory of Elasticity and Plasticity
- Mathematical Methods in Engineering
- Computer Aided Graphics and Design
- Material Technology
- Finite Element Methods in Mechanical Engineering
- System Design and Analysis
- Fluid Mechanics

Research Areas

Major research areas are Bending and Buckling, Linear and Nonlinear Dynamics, Stress Analysis , Mechatronics, Machine Dynamics, Machine Design, Smart Materials, Finite Element Method, Tribology, System Design and Analysis, Ergonomics, Reverse and Concurrent Engineering, Manufacturing Systems, Industrial Engineering, Welding Engineering, Work Study and Ergonomics, Operation Research, Reliability, Thermodynamics, Fluid Mechanics, Heat and Mass Transfer, CFD, Conventional & Non-conventional Energy Systems, Solar Energy, Renewable Energy, Advance Manufacturing Methods, Design Optimization, Reverse Engineering, Industry 4.0, Evolutionary Optimization Techniques, Additive Manufacturing.

Major Laboratories in the Department

- Technical Dynamics Lab
- Computer Aided Engineering Lab
- ANSYS Lab
- Mechanics of Materials Lab
- Manufacturing Systems Lab
- Welding Lab
- FMS Lab
- IC Engine Lab

- Machine Tool Lab
- Metrology Lab
- Forging Lab
- Solar Panel House
- Fluid Mechanics Lab
- Heat Transfer Lab
- Refrigeration and Air Conditioning Lab
- Automobile

CAD Laboratory

Machine Tool Laboratory

RAC Laboratory

Automobile Laboratory

IC Laboratory

Fluid Mechanics Laboratory

Some of our past recruiters

Massage from Head of Department: Prof. Dinesh Shringi

Department of Mechanical Engineering is the largest department of the Institute, with 25 faculty members having global recognition and nearly 250 students. The department has state-of-the-art infrastructure for practical training of students. It has 21 well equipped laboratories and we continue to modernize them regularly.

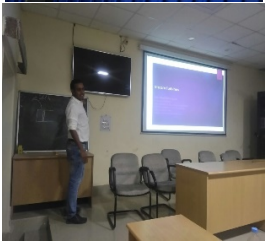
The faculty members regularly guide the students to undergo internship/training and to work on innovative projects in various industries. We also conduct various industrial tours, and other technical activities in the department.

I covey my best wishes and invite industrial organisations to join the placement and training process in MBM Engineering College Jodhpur.

We would be happy to have long-term association of department of Mechanical Engineering with leading industries in India and abroad.

Achievements of our students

Achievements by Faculty members



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