



ADARSH MANAGEMENT INSTITUTE OF INDIA

B.Tech in Mechanical Engineering

Course Name: B.Tech In Mechanical Engineering

Duration: 4 Years Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech. Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech.

First Semester	Second Semester
1. Engineering Mechanics 2. Basic Electrical and Electronics Engineering 3. Computer Programming 4. Applied Physics – 1 5. Applied Chemistry -1 6. Project I	1. Engineering Drawing 2. Applied Mathematics – 2 3. Applied Physics – 2 4. Applied Chemistry – 2 5. Communication Skill – 2 6. Computer programming 2 7. Applied Mathematics – 1
Third Semester	Fourth Semester
1. Applied Mathematics III 2. Strength of Materials 3. Machine Drawing 4. Production Process – I 5. Thermodynamics 6. Presentation & Communication Techniques 7. Project-III	1. Applied Mathematics IV 2. Theory of Machines I 3. Thermal Engineering 4. Production Process II 5. Materials Technology 6. Industrial Electronics 7. Project-IV
Fifth Semester	Sixth Semester
1. Mechanical Measurements and Metrology 2. Theory of Machines II 3. Fluid Mechanics 4. Heat and Mass Transfer 5. Graphics user Interface And Database Management 6. Environmental Studies	1. Mechatronics 2. Hydraulic Machinery 3. Mechanical Vibrations 4. E-commerce And Industrial Finance 5. Internal Combustion Engines 6. Machine Design I
Seventh Semester	Eighth Semester
1. Machine Design 2. CAD/CAM/CIM* 3. Refrigeration and Air Conditioning Manufacturing Planning and Control 4. Elective-I Project	1. Automobile Engineering 2. Finite Element Analysis 3. Industrial Engineering and Enterprise Resource Planning 4. Elective-II 5. Project

ELECTIVE-I	ELECTIVE-II
1. Supply Chain Management 2. Cryogenic Engineering 3. Nuclear Technology – I 4. Micro Electro Mechanical Systems(MEMS) 5. Power Plant Engineering 6. Operations Research 7. Information Technology for Managementof Enterprises* 8. Virtual Reality 9. Computational Fluid Dynamics 10. Industrial Robotics 11. Piping Engineering 12. Dynamic System Modelling & Analysis	13. Business Process Reengineering 14. Advanced Refrigeration and AirConditioning 15. Nuclear Technology – II 16. Introduction to Nanotechnology 17. Non Conventional Energy Sources 18. Project management 19. Product Life Cycle Management 20. Artificial and Machine Intelligence 21. Advanced Turbo machinery 22. Mechanical System Design 23. Process Equipment Design 24. Common with Automobile engineering