



ADARSH MANAGEMENT INSTITUTE OF INDIA

B.Tech in Production Engineering

Course Name: B.Tech In Production 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. Mathematics I 2. Mathematics II 3. Engineering Mechanics 4. Engineering Graphics 5. Humanities 6. Engineering Physics 7. Engineering Chemistry 8. Computer Programming 9. Project I	1. Mathematics I 2. Mathematics II 3. Engineering Mechanics 4. Engineering Graphics 5. Humanities 6. Engineering Physics 7. Engineering Chemistry 8. Computer Programming 9. Engineering Physics Project 10. Basic Mechanical Engineering 11. Production Project I
Third Semester	Fourth Semester
1. Mathematics III 2. Mechanics of Solids 3. Theory of Mechanisms 4. Electrical Engineering 5. Metallurgy and Material Science 6. Production Engineering Drawing 7. Machine Tool Project I	1. Mathematics IV 2. Basic Electronics 3. Machine Tool Technology 4. Metal Casting 5. Fluid Mechanics of Machinery 6. Electrical/Electronics Project
Fifth Semester	Sixth Semester
1. Design for Manufacture 2. Numerical Methods in Engineering 3. Metal Joining 4. Control in Machine Tools 5. Theory of Elasticity & Plasticity 6. Project	1. Metrology and Instrumentation 2. Industrial Engineering 3. Machining of Materials 4. Industrial Automation 5. Principles of Industrial Management 6. Project
Seventh Semester	Eighth Semester
1. Production and Tooling Design 2. Engineering Economics and Financial Management	1. Operations Research 2. Computer Aided Manufacture 3. Plant Layout and Design

3. Metal Forming 4. Maintenance Engineering 5. Elective I 6. CAD and Drafting 7. Project	4. Quality Assurance and Reliability 5. Elective II 6. Project
ELECTIVE-I	ELECTIVE-II
1. Machine Tool Design 2. Management Information System 3. Process Planning and Cost Estimation 4. Microprocessor and Applications	1. Economics 2. Behavioral Science 3. Product Design and Process Engineering 4. Materials Management 5. Project Management 6. Advanced Mathematics