

B.Voc. in Manufacturing

Syllabus

First Semester	<ol style="list-style-type: none">1. Communicative English - I2. Applied Chemistry3. Applied Physics4. Applied Mathematics - I5. Basic Electricity6. Basic Electronics7. Applied Chemistry practical lab8. Applied Physics practical lab9. Project – I
Second Semester	<ol style="list-style-type: none">1. Engineering science2. Introduction to IT Tools3. Communicative English II4. Applied Mathematics - II5. Manufacturing Technology6. Material science7. IT Tools – Lab8. Material Science - Lab9. Project –II
Third Semester	<ol style="list-style-type: none">1. Manufacturing Technology – II2. General Mechanical Engineering –I3. Machine Tool Technology

	4. General Mechanical Engineering – II 5. Industrial Engineering 6. Metrology and Measuring Instruments 7. Metrology and Measuring Instruments Lab 8. Machine Tool Technology Lab 9. Project –III
Four Semester	1. Industrial Management 2. Total Quality Management 3. Entrepreneurship 4. Tool Engineering – I 5. Production Automation & Computer Integrated Mfg 6. Fundamentals of Mechatronics 7. Tool Engineering Lab 8. Mechatronics Lab – Practical 9. Project –IV
Fifth Semester	1. Machine & Machining tools 2. Tool Engineering – II 3. Lean and Agile Manufacturing 4. Metal Forming Processes 5. Tool and Die Making Lab - Practical 6. Project-V
Sixth Semester	1. Reliability, Maintenance & Safety Engineering 2. Design Concepts in Engineering 3. Rapid Prototyping and Reverse Engineering

	<p>4. CAD & CAM</p> <p>5. CAD & CAM Lab – Practical</p> <p>6. Project -VI</p>
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