

Capital Goods

Introduction of the Sector

Manufacturing Industry has emerged as one of the growing sectors in India. The government of India had launched the 'Make in India' program to place India on the world map as a manufacturing hub and give global recognition to the Indian

economy. India is expected to become the fifth largest manufacturing country in the world by the end of the year 2020. Also, it is expected to be the manufacturing destination of the world. This sector is said to generate an additional 100 million new jobs by 2022.

B. Voc. in Industrial Tool Manufacturing

Course Introduction

A unique 3-year undergraduate programme leading to a B. Voc. in Industrial Tool Manufacturing is offered under the sector capital goods. Curriculum of this Programme is designed to meet current industrial requirements with an emphasis on new manufacturing technologies and industrial practices.

Eligibility for Admission

The eligibility for admission to B. Voc. in Industrial Tool Manufacturing shall be 10+2 or equivalent, in any stream.

Career Prospects/Job Roles

In today's time, all the companies ask for industrial tool manufacturing degree in vocational space. The job positioning after completing degree in Industrial tool manufacturing are as follows: *Assembly Supervisor, Assistant Plant Manager, Chief Manufacturing Executive, Chief Quality Control Executive, Civil Engineering Supervisor, Quality Assurance Manager, Distribution Manager.*

Semester-wise Listing of Courses

SEMESTER I		
Subject Code	Subject Name	Credits
GE 1.1	Functional English	4
GE 1.2	Communication Skills – I	4
GE 1.3	Computing Skills – I	4
ITM 1	Engineering Graphics	2
ITM 2	Metrology and Quality control	2
ITM 3	Manufacturing Technology	2
ITMP1	Vocational Practical	12

SEMESTER II		
Subject Code	Subject Name	Credits
GE 2.1	Basics of Economics and Markets	4
GE 2.2	Environment Sciences	4
GE 2.3	Ethics and Governance	4
ITM 4	Basic Electrical and Electronics Engineering	2
ITM 5	Engineering Metallurgy	2
ITM 6	Metal Forming Technology	2
ITMP2	Vocational Practical	12

SEMESTER III		
Subject Code	Subject Name	Credits
GE 3.1	Communication Skills - II	4
GE 3.2	Financial Literacy	4
GE 3.3	Basics of Legal and HR Policies	4
ITM 7	Smart Manufacturing and Artificial Intelligence	2
ITM 8	Industrial Automation	2
ITM 9	Design of Jigs, Fixtures and Gauges	2
ITMP3	Vocational Practical	12

SEMESTER IV		
Subject Code	Subject Name	Credits
GE 4.1	Computing Skills – II	2
GE 4.2	Basics of Accounting	4
GE 4.3	Design Thinking	4
GE 4.4	Organizational Behaviour	2
ITM 10	Computer Numeric Control (CNC) Machining Technology	2
ITM 11	Press Tool Technology	2
ITM 12	Total Quality Management	2
ITMP4	Vocational Practical	12

SEMESTER V		
Subject Code	Subject Name	Credits
GE 5.1	Digital Literacy	4
GE 5.2	Health and Wellness	4
GE 5.3	Personal Grooming	4
ITM 13	Mould Technology	2
ITM 14	Electrical Drives and Controls	2
ITM 15	Process Planning and cost estimation	2
ITMP5	Vocational Practical	12

SEMESTER VI		
Subject Code	Subject Name	Credits
GE 6.1	Entrepreneurship	4
GE 6.2	Employment Readiness	4
GE 6.3	Effective Workplace Skills & Competencies	4
ITM 16	Computer Aided Design (CAD)/ Computer Aided Manufacturing (CAM)/ Computer Integrated Manufacturing (CIM)	2
ITM 17	Maintenance Engineering and Management	2
ITM 18	Project Work	2
ITMP6	Vocational Practical	12

Programme fees: (Rs. 36,000/-per annum)

Examination fees: (Rs. 1,600/- per semester and Rs.3200 per annum)

Caution Deposit (Refundable): Rs.5000

Convocation Fees: Rs.2000/- (In absentia Rs.2500/-)

Campus Immersion Expenses: (Travel & Logistics for 7-10 days on Campus) are not part of the fee structure and the expenses will have to be met by the students followed by communication.