

B. Voc. in Automotive Manufacturing Technology

Duration: 3 Years

Eligibility Criteria:

Candidates fulfilling any one of the following criteria are eligible for the program:

- 12th Standard Pass
- 10th Standard Pass plus completed 2nd Year of Diploma
- 10th Standard Pass plus completed 3 years of vocational education
- 10th Standard Pass plus 1 year NTC plus CITS plus 1 year work experience

Program Outline:

SEMESTER 1		
S.No	Subject Name	Course Type
1	Introduction to Manufacturing Processes	Theory
2	Science and World	Theory
3	Employability Skills (Basics)	Theory
4	Professional Skills (Career Skills)	Practical
5	Job Role - 1	OJT

SEMESTER 2		
S.No	Subject Name	Course Type
1	Basics of Material Science and Metrology	Theory
2	Automotive Manufacturing Technology	Theory
3	Universal Human Values	Theory
4	Communication Skills (English)	Practical
5	Job Role - 2	OJT

SEMESTER 3		
S.No	Subject Name	Course Type
1	Motor Vehicle Technology	Theory
2	Automobile Design in CAD & CAM	Theory
3	Introduction to Contemporary Social Problems	Theory
4	Professional Skills (Team Skills)	Practical
5	Job Role - 3	OJT

SEMESTER 4		
S.No	Subject Name	Course Type
1	Manufacturing Testing & Optimization	Theory
2	Electrical/Hybrid Automobiles and Future Technologies	Theory
3	Leadership and Management Skills	Practical
4	Entrepreneurship Orientation	Theory
5	Job Role - 4	OJT

SEMESTER 5		
S.No	Subject Name	Course Type
1	Production Planning and Control	Theory
2	Business Communication	Theory
3	Minor Stream	Theory
4	Job Role - 5	OJT

SEMESTER 6		
S.No	Subject Name	Course Type
1	Job Role - 6	OJT
2	Project Work	Practical
3	Minor Stream - Field Practice	OJT

Career Prospects:

This program can open up opportunities for the students in the following carriers:

Entry Level

- Fitter Mechanical Assembly
- CNC Operator – Turning
- Quality Inspector-Forged, casted or Machined Component
- Manual Metal Arc Welding /Shielded Metal Arc Welding Welder
- Forging Technician / Operator
- Surface Treatment Technician
- Fitter – Fabrication
- Lathe Setter cum Operator
- Quality Technician/ Lab Technician
- Metal Inert Gas / Metal Active Gas / Gas Metal Arc Welder
- Heat Treatment Technician
- Plastic Moulding Technician
- Automotive Body
- Painting Technician
- Casting Technician
- Lathe operator
- Hand Machine operator
- Oxy-Fuel Cutter – Manual

Middle Level

- Supervisors
- Tool and Die Maker
- Draftsman-Mechanical
- Tungsten Inert Gas Welder Level
- Forging Foreman
- Vehicle test Driver Process
- Tryout Engineer
- CNC Machine – Setter cum Operator
- CAM Programmer
- Quality Analyst

Senior Level

- Deputy Managers
- PPC Engineer
- Mechatronics operator
- Welding Machine setter
- Master Welder