

Automotive

Introduction of the Sector

The automotive industry in India is changing rapidly. Hence, competition is very high among the companies to get their share of profit. Automobile exports grew 15.54 percent during

April 2018-February 2019. It is expected to grow at a Compound Annual Growth Rate (CAGR) of 3.05 percent during 2016-2026. The automotive industry is among the top hirers in the Year 2017-2018 in India.

B. Voc. in Automotive Servicing Technology

Course Introduction

Automotive Servicing Technology offers the students the techniques of installing, maintaining, repairing and replacing automotive parts. Those who are passionate on servicing the various parts of vehicles such as brake systems, engines, electrical and steering systems etc. can be immensely benefitted by the programme.

The Indian automotive industry stands one of the largest across the globe, contributing more than 7% to India's GDP. This highly competitive auto sector set in motion an equally important automotive servicing and repair industry which is estimated to be worth Rs. 34,000 core by the year 2020.

Eligibility for Admission

The eligibility for admission to B. Voc. in Automotive Servicing Technology shall be 10+2 or equivalent, in any stream.

Career Prospects/Job Roles

Automotive Servicing Technology encompasses careers in the inspection, repair and maintenance of a vehicle's mechanical and electronic systems, including those found on cars, trucks, motorcycles, aircraft, marine and industrial vehicles.

Common job titles include *Automotive Service Technician, Auto Instructor, Vehical Inspector, Auto Body Technician, Auto Electrician, Auto Mechanic and Auto Engineer, Quality testing engineer, Automotive Workshop Manager, Automotive Assistant Workshop Manager.*

Workers in this field also might choose to specialize in a specific automotive area or equipment, such as tyres, alternative fuel vehicles, diesel vehicles, emissions systems and specialty fabrications. After successfully completing 3 years B.Voc. Degree Programme the trainee shall be able to start self-entrepreneurship in the similar areas.

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
AM 1.1	Engineering Drawing	2
AS 2.1	Applied Mechanic	2
AS 3.1	Metallurgy & Material Science	2
ASP-1	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
AS 1.2	Machine Design & Drawing	2
AS 2.2	I C Engine	2
AS 4.2	Strength of Materials & Structural Engineering	2
ASP-2	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
AM 6.1	Shop Floor Practices - I	2
AM 7.1	Quality Management - I	2
AS 2.3	Transport Refrigeration & Air Condition	2
ASP-3	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
AM 6.2	Shop Floor Practices - II	2
AM 7.2	Quality Management - II	2
AS 1.4	Metrology & Machine Tools	2
ASP-4	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
AS 1.5	Automotive Petrol & Diesel Engine	2
A S 2.5	Automotive Fuels & Lubricants	2
ASE-01	Elective Subject – I	2
ASP-5	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
AS 1.6	Automotive Chassis	2
AS 2.6	Vehicle Performance and Testing	2
ASE-02	Elective Subject – II	2
ASP-6	Vocational Practical	12

Proposed Electives:

Subject Code	Course title	Credits
ASE-01	Supply chain Management	2
ASE-02	Vehicle dynamics	2
ASE-03	Automotive electrical and electronics	2

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.