

# 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 automobile industry is among the top hirers in the Year 2017-2018 in India.

## B. Voc. in Automobile Servicing Technology

### Course Introduction

Automobile 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 automobile 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 Automobile Servicing Technology shall be 10+2 or equivalent, in any stream.

### Career Prospects

Automotive 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 automobile service technician and mechanic. 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.

### Semester-wise Listing of Courses

Semester	Subject Code	Subject Name	Credits
I	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
	A S 4.1	Concepts in Information Technology	2
	ASP-1	Vocational Practical	12
	GE 2.1	Basics of Economics and Markets	4

<b>II</b>	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
<b>III</b>	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
	A M 7.1	Quality Management - I	2
	A S 2.3	Transport Refrigeration & Air Condition	2
ASP-3	Vocational Practical	12	
<b>IV</b>	GE 4.1	Computing Skills – II	4
	GE 4.2	Basics of Accounting	4
	GE 4.3	Design Thinking	4
	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	
<b>V</b>	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	
<b>VI</b>	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	

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

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

**Caution Deposit ( Refundable):** Rs.5000