

# 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.

## Diploma in Auto Diagnosis & Repair

### Course Introduction

To begin an education in Automotive Repair the first course a student should take is an introductory course. In the course the students are offered to take a general look into the major auto systems, which include engine, cooling and lubrication, steering and suspension, transmission, electrical and braking systems.

Diagnosing and repairing engines and their components is the main focus of this course. Through hands-on experience, students gain knowledge of the disassembly and reassembly of diesel and gasoline engines, head gaskets and timing belts. This is an essential course in any automobile technology program.

The diploma offers students the opportunity to receive hands-on training in auto repair. The program's curriculum covers electrical, fuel, exhaust, and braking systems; front and rear axles; differentials, front end alignments; transmission components; and automotive engine assembly, repair and rebuilding.

### 1.2. Eligibility for Admission

The eligibility condition for admission to Auto Diagnosis & Repair – 1-year Diploma shall be S.S.L.C

### 1.3. Career Prospects

These students are absorbed as Mechanic / Service Technicians in Dealership and their expertise would be in Diagnosis & repair for Passenger & Commercial Vehicles

### Semester Wise Distribution of Course Credit and Hours

#### SEMESTER I

Semester	Course Code	Course Title	Hours	Credits
I	ADR1.1	Automobile Engine -I	30	2
	ADR2.1	Automotive Systems-I	30	2
	ADR3.1	Workshop Technology	30	2
	GE 1.1	Functional English	60	4
	GE 5.3	Personal Grooming	30	2
	\DRP1	Vocational Practical1	240	8
	ADR1.2	Automotive Engine-II	30	2

I I	ADR2.2	Automotive Systems-II	30	2
	ADR3.2	Case Study: Passenger & Commercial Vehicles	30	2
	GE1.2	Communication Skills	60	4
	GE 5.2	Health and Wellness	30	2
	ADRP2	Vocational Practical II	240	8
Total			840	40

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

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

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

