

## Car Mechanic Course Topics (In English)

1. Introduction of tools and equipment, basics of Automobile, Automotive safety – Hazards and Prevention
  - What tools are commonly used in automotive repair?
  - Importance of knowing how to use Automotive tools
2. Basics of Automobile – Anatomy of Engines, Evolution of SI, CI Engine
  - Anatomy of an Engine
  - Evolution of Engines over time
3. Petrol and Diesel Engine, Types of Engines and Constructions
  - Main Difference between Petrol and Diesel Engines
  - Importance of understanding both types of Engines
4. Air intake system – Petrol and Diesel Engine
  - Importance of Air Intake System
  - How does the air intake system affect engine performance
5. Engine lubricating system – Petrol and Diesel Engine
  - Purpose of Engine Lubricating System
  - Importance of Regular Oil Maintenance
6. Engine cooling system – Petrol and Diesel Engine
  - Importance and working of Engine Cooling System
  - How to prevent engine overheating
7. Valve Clearance Inspection & Adjustment – Petrol and Diesel Engine
  - Importance of Valve Clearance
  - How to adjust valve clearance
8. Fuel system - Petrol and Diesel Engine
  - Introduction to Fuel System – Petrol and Diesel Engines
  - Functions and workings of Fuel System
9. Turbocharger – Types and working process
  - Types of Turbochargers
  - Working Process of Turbochargers
  - How does a turbocharger improve engine performance

10. EGR & Oil Cooler system – Working process
  - Working of EGT & Oil Cooler System
  - Importance of Oil Cooler for Engine Health
11. Engine performance tests – Engine vacuum / compression pressure and oil pressure
  - What are common engine performance tests
  - Importance of Tests for Diagnosing Engine Issues
12. Clutch and Transmission system
  - Role of the Clutch in a Vehicle
  - How does the Transmission work
13. Propeller – shaft and differential system
  - Working of Propeller Shaft
  - Importance of Differential System
14. Brake system
  - Primary function of the Brake System
15. Suspension system
  - Purpose of the Suspension System
  - Importance of Suspension System
16. Engine overhaul – Petrol and Diesel
  - Engine Overhauling Process

## Car Mechanic Course Topics (In Hindi)

1. Tools और Equipment की परिचय, Automobile के बेसिक्स, Automotive safety – Hazards और Prevention
  - Automotive repair में आमतौर पर कौन से Tools का उपयोग किया जाता है?
  - Automotive tools का उपयोग जानने का महत्व
2. Automobile के बेसिक्स – Engine के Anatomy, SI, CI Engine का Evolution
  - Engine के Anatomy
  - Engines के समय के साथ Evolution
3. Petrol और Diesel Engine, Engines और Constructions के प्रकार
  - Petrol और Diesel Engines के बीच मुख्य अंतर
  - दोनों प्रकार के Engines को समझने का महत्व
4. Air intake system – Petrol और Diesel Engine
  - Air Intake System का महत्व
  - Air Intake System इंजन के प्रदर्शन को कैसे प्रभावित करता है
5. Engine lubricating system – Petrol और Diesel Engine
  - Engine Lubricating System का उद्देश्य
  - नियमित Oil Maintenance का महत्व
6. Engine cooling system – Petrol और Diesel Engine
  - Engine Cooling System का महत्व और कार्य
  - Engine के overheating को कैसे रोकें
7. Valve Clearance Inspection और Adjustment – Petrol और Diesel Engine
  - Valve Clearance का महत्व
  - Valve Clearance को कैसे Adjust करें
8. Fuel system - Petrol और Diesel Engine
  - Fuel System का परिचय – Petrol और Diesel Engines
  - Fuel System के कार्य और परिचय

9. Turbocharger – प्रकार और कार्य करने की प्रक्रिया
  - Turbochargers के प्रकार
  - Turbochargers की कार्य प्रक्रिया
  - Turbocharger इंजन के प्रदर्शन को कैसे सुधारता है
10. EGR और Oil Cooler System – कार्य प्रक्रिया
  - EGT और Oil Cooler System का कार्य
  - Engine Health के लिए Oil Cooler का महत्व
11. Engine Performance Tests – Engine Vacuum / Compression Pressure और oil Pressure
  - Common engine performance tests क्या हैं
  - Engine Issues का निदान करने के लिए Tests का महत्व
12. Clutch और Transmission System
  - Vehicle में Clutch की भूमिका
  - Transmission कैसे काम करता है
13. Propeller – Shaft और Differential System
  - Propeller Shaft का कार्य
  - Differential System का महत्व
14. Brake System
  - Brake System का मुख्य कार्य
15. Suspension System
  - Suspension System का उद्देश्य
  - Suspension System का महत्व
16. Engine Overhaul – Petrol और Diesel
  - Engine Overhauling प्रक्रिया



## Details of the Course

**Fees** – 50,000/- (Including GST)

**Hostel facility** – 7,000/- per Month including food

**Duration** – 60 Days (Minimum)

**Location** – JustAuto Solutions Pvt. Ltd., Plot No: B1, B2, B3/15, Electronics Estate, GIDC, Sector 25, Gandhinagar, Gujarat

## Certification and Recognition

JustAuto Solution's Certification – ISO Certified, Startup India Recognized, MSME Recognized, Skill India Recognized.

JustAuto Solution is authorised and affiliated Training Partner/Centre of Automotive Skill Development Council (ASDC) and Skill India

## Photo Gallery

