

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. Exhaust System With Turbocharger With EGR – Types and working process
 - Types of Turbochargers
 - Working Process of Turbochargers
 - How does a turbocharger improve engine performance
 - Manual and Electronic

10. EGR Cooler & Oil Cooler system – Working process
 - Working of EGT & Oil Cooler System
 - Importance of Oil Cooler for Engine Health
 - EGR cooler working Exhaust Gas Cool System
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. Exhaust System , Turbocharger ,EGR – प्रकार और कार्य करने की प्रक्रिया
 - Turbochargers के प्रकार
 - Turbochargers की कार्य प्रक्रिया
 - Turbocharger इंजन के प्रदर्शन को कैसे सुधारता है
 - Manual और Electronic
10. EGR और Oil Cooler System – कार्य प्रक्रिया
 - EGT और Oil Cooler System का कार्य
 - Engine Health के लिए Oil Cooler का महत्व
 - EGR cooler working Exhaust Gas Cool System
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 – 8,000/- 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

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