

Day 1:-

Session 1:-Introduction to Automobile

1. Introduction to Automobile
2. Introduction to IC Engine
  - 2 Stroke Engine
  - 4 Stroke Engine
  - 6 Stroke Engine
  - Crank Shaft Mechanism
  - Timing Valve Diagram
3. Coolant used in IC Engine
  - Air Cooling
  - Water Cooling

Session 2:-

4. Supercharger
5. Turbocharger
6. Chassis
  - Introduction to chassis
  - Types of chassis
  - Technology used in chassis to prepare
7. Suspension system
  - Types of Suspension system
  - Parts in Suspension system
  - Wheel Alignment

Day 2:-

Session 3:-Mechanism

1. Steering mechanism
  - Principle of steering
  - Steering Geometry
  - Types of steering
2. Braking mechanism
  - Different types of brake
  - Source to apply brake
  - Electronic Braking system

3. Transmission system
  - 2WD
  - 4WD
  - All wheel drive

#### Session 4: Electrical Vehicle

1. Battery Management system
2. Battery thermal management system
3. Power train
4. Hybrid vehicle.