

Automobile Mechanics & Engine Design Course Content (30 Days)

1. Introduction (1 Hr)

2. Basics of aerodynamics and vehicle dynamics

3. Chassis Design

4. Types of chassis

5. Steering Unit

6. Suspension Unit

7. Types of suspensions

8. Basic properties:

- Weight Transfer
- Jacking Forces
- Camber
- Caster Angle

9. Braking Unit

10. Anti-lock braking system

11. Brake Actuators

12. Transmission system

13. Types of Transmission system

14. Differential and Types of differential

15. Tyres and Traction Control

16. IC Engine

17. Designing Using Software- Basics of AutoCAD & CATIA V5

18. Advance Technologies

Automobile Mechanics & Engine Design Training Kit

- 1x Engine Design CD
- Handbook of AUTOMOBILE ENGINE MECHANICS 1st Edition By Pradeep K. Sharma