



AUTO CHASSIS LAB

Courses Covered:

1. Automotive Chassis (AUT-233)
2. Introduction to Automotive Technology AUT-112

**DEPARTMENT OF AUTOMOTIVE ENGINEERING
TECHNOLOGY
PUNJAB TIANJIN UNIVERSITY OF TECHNOLOGY,
LAHORE**

Course Title: Automotive Chassis (AUT-233)

List of Experiments:

1. study, dismantling and assembling of clutch system.
2. study, dismantling and assembling of drum braking system.
3. study, dismantling and assembling of disc braking system.
4. study, dismantling and assembling of steering system with rack and pinion steering gear box.
5. study, dismantling and assembling of steering system with EPS steering gear box.
6. study, dismantling and assembling of differential unit.
7. study, dismantling and assembling of rear axle.
8. study, dismantling and assembling of front axle.
9. study and measurement of heavy duty and light duty chassis frame.

Course Title: introduction to Automotive Technology (AUT-112)

- 1) Identify the typical brand of vehicle & auto logos.
- 2) Identification of different types of vehicles
- 3) Identification of Engine Components
- 4) Identify the components of Air Intake system of engine.
- 5) Identify the components of exhaust system of engine.
- 6) Identify the components of cooling system of engine.
- 7) Identify the components of lubrication system of engine.
- 8) Identify the components of fuel injection system of engine.
- 9) Identify the components of suspension system.
- 10) Identify the components of steering system.
- 11) Identify the ignition system & assembly.
- 12) Identify the vehicle brakes & Assembly.

List of Equipment's:

1. clutch assembling & disassembling training bench (Quantity = 01).
2. Brake assembling & disassembling training bench (disc brake) (Quantity = 01).
3. Suspension & electronic power steering EPS Training bench (Quantity = 01).
4. Toyota HiAce chassis Quantity = 01



Toyota HiAce Chassis .



power steering & suspension system training bench



Brake assembly & disassembly training bench.



Clutch assembly & disassembly training bench