

1154AU301 TWO WHEELER MAINTENANCE LABORATORY L T P C
0 0 2 1

1. Preamble

Course includes the development of skills in basic two wheeler maintenance. Students are introduced to diagnosis of systems and concerns, causes and correction of problems.

2. Prerequisite

NIL

3. Links to other courses

NIL

4. Course Educational Objectives

Students undergoing this course are expected to:

- Know the requirement of tools & equipment used in service station.
- Know about the different service station equipment construction and working
- Learn general procedures for servicing and maintenance of motor vehicle

5. Course Outcomes

Upon the successful completion of the course, learners will be able to

| CO Nos. | Course Outcomes | Level of learning domain (Based on revised Bloom's) |
|---------|---|---|
| CO1 | Perform fault diagnostic of a two wheeler | K3,S3 |
| CO2 | Demonstrate the gear box in different views | K4,S3 |
| CO3 | Demonstrate the transmission in different views | K3, S3 |
| CO4 | Describe the Clutch and brake adjustment | K3, S3 |

6. Correlation of COs with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | M | L | M | M | | L | | | | H | | H |
| CO2 | L | M | L | H | | M | | | | H | | H |
| CO3 | M | M | H | H | | H | | | | L | | H |
| CO4 | L | M | L | H | | L | | | | H | | H |

H- High; M-Medium; L-Low

7. List of Experiments

1. Carburetor Tuning in Idle Condition
2. Two-Wheeler Tyre Removal and Vulcanize
3. Play Adjustment of Clutch and Brake
4. Spark Plug Cleaning
5. Assembling and Dismantling of Two-Wheeler Gearbox
6. Assembling and Dismantling of Two-Wheeler Engines and Checking Lube Oil
7. Checking Chain Tension
8. Two-Wheeler Battery Maintenance
9. Two-Wheeler Electrical System – Horn, Light

10. Cylinder Reboring
11. Overall Maintenance and Service Check List
12. Shock Absorber

TOTAL = 30 periods