WORKSHOP PRACTICE

[As per Choice Based Credit System (CBCS) scheme]

(Effective from the academic year 2017 -2018)

SEMESTER - I/II

Course Code	**17WSL16/17WSL26**	**CIE Marks**	**40**
Number of Lecture Hours/Week	**3 (1 hr Tut +2 hrs lab)**	**SEE Marks**	**60**
Total Number of Lecture Hours	**42**	**Exam Hours**	**03**

CREDITS - 02

Course Objectives:

* To impart knowledge and skill to use tools, machines, equipment, and measuring instruments.
* Educate students of Safe handling of machines and tools.

Module - 1

1. Use of Hand Tools: V-block, Marking Gauge, Files, Hack Saw, Drills, Taps and Minimum 3 models involving Dove tail joint, Triangular joint and Semicircular joint.
2. Welding: Study of electric arc welding tools &equipments, Models: Butt Joint, Lap Joint, T joint & L-joint.
3. Sheet Metal & Soldering Work: Development & Soldering of the models: Tray, Frustum of cone, Prism(Hexagon & Pentagon),Truncated Square Pyramid, Funnel.
4. Study & Demonstration of power tools in Mechanical Engineering.

03 - Hours

Course outcomes :

At the end of the course, the student will be able to:

1. Demonstrate and produce different types of fitting models.
2. Gain knowledge of development of sheet metal models with an understanding of their applications.
3. Perform soldering and welding of different sheet metal & welded joints.
4. Understand the Basics of Workshop practices.

Scheme of Examination

Fitting Model / Sheet Metal Work: 50 Marks

(50% of the batch to be given Fitting and remaining 50% to be given Sheet metal work including Soldering)

Welding: 30 Marks

Viva voce: 20 Marks

Total: 100 Marks