Annexure 2

WORKSHOP/ MANUFACTURING PRACTICES LAB

Course Code: BME 224 **Credit Units: 01**

Total Hours: 20

Course Objective:

The objective of this course is to impart the basic knowledge of Manufacturing methods, CNC machines, materials & their properties and various manufacturing processes to the students of all engineering discipline.

Course Contents:

List of experiments/demonstrations:

1. Machine shop **(4 Hours)**
2. Fitting shop **(4 Hours)**
3. Carpentry shop **(2 Hours)**
4. Welding shop **(Arc welding 4 Hours + gas welding 4Hours)** **(6Hours)**
5. Smithy shop **(4 Hours)**

Examinations could involve the actual fabrication of simple components, utilizing one or more of the techniques covered above.

Laboratory Outcomes:

- Upon completion of this laboratory course, students will be able to fabricate components with their own hands.
- They will also get practical knowledge of the dimensional accuracies and dimensional tolerances possible with different manufacturing processes.
- By assembling different components, they will be able to produce small devices of their interest.

Examination Scheme:

Components	A	CT	S/V/Q/HA	EE
Weightage (%)	5	15	10	70

CT: Class Test, HA: Home Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance