

**B.Tech III Year I Semester**

**JNTUA COLLEGE OF ENGINEERING (AUTONOMOUS) PULIVENDULA**

**19AME57 – MANUFACTURING PROCESSES - II LABORATORY**

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**Course Objectives:** The objectives of the course are to make the students learn about

- Familiarize the construction and working of various machine tools.
- Teach selection of parameters for different machining processes.


**List of Experiments**

1. Demonstration of construction and operations of general purpose machines: Lathe, drilling machine, milling machine, shaper, slotting machine, cylindrical grinder and surface grinder.
2. Measure the characteristic features of lathe with simple step turning operation.
3. Job on step turning, taper turning, knurling, thread cutting on lathe machine.
4. Perform drilling, reaming and tapping operations.
5. Job on milling (Groove cutting/Gear cutting).
6. Job on shaper.
7. Job on slotting.
8. Job on cylindrical and surface grinding.
9. Job on grinding of tool angles.

**Course Outcomes:**

At the end of this Course the student will be able to

- Explain the concept of machining with various machine tools. L2
- Get hands on experience on various machine tools and machining operations. L6

  
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