Savitribai Phule Pune University, Pune
Third Year of Mechanical & Automobile
(2015 Course)

Course Code: 302052   **Course Name : MACHINE SHOP – II**

Credits	Examination Scheme:
PR: -2 Hrs/ Week	
TW:-01	
	TW: 50

Course Objective:
1. To set the manufacturing set–up appropriately and study the corresponding set up parameters.
2. To select appropriate process parameter for obtaining desired characteristic on work piece.
3. To understand the operational problems and suggest remedial solution for adopted manufacturing process.

Course Outcome:
1. Ability to develop knowledge about the working and programming techniques for various machines and tools

Term-Work
Each student must complete and submit following term work:

I. **Jobs (Both the following jobs should be completed individually)**
   a. Any one marketable assembly consisting of at least three components with tolerance involving use of lathe, drilling, milling, grinding and any additional machine tool or processes as per requirement.
   b. Development and execution of one simple turning job on CNC (Trainer) machine.

II. **Journal consisting of following assignments.**

   a. Two views of at least one jig and one fixture designed, for a component on a half imperial sheet.(manual drafting)
   b.   Process planning sheets for job 1.a and 1.b.
   c. Report based on industrial visit to manufacturing plant.

Note: - Practical are to be performed under the guidance of concerned faculty member.
      Job drawing essentially consisting of Geometric Dimensioning and Tolerance