

Course Code	Course Name	Credits
<b>MEL703</b>	<b>Production Planning and Control</b>	<b>01</b>

**Objectives:**

1. To provide an exposure related to Production Planning & Control (PPC)
2. To give exposure to production scheduling and sequencing

**Outcomes:** Learner will be able to...

1. Prepare a process sheet
2. Prepare a Gantt Chart
3. Forecast the demand of the product and prepare an aggregate plan.
4. Perform ABC analysis of a given problem
5. Develop the skills of Inventory Management and cost effectiveness.
6. Create a logical approach to Line Balancing for various production systems.

**Term Work**

The Term work shall comprise of the following:

At least six laboratory exercises/assignments comprising questions/problems

Sr No	List of Laboratory Exercises (Any Six)
1	Preparation of a Process sheet of a simple turned/milled component
2	Numerical example on Johnson's Algorithm
3	An example on network crashing
4	Preparation of a Gantt Chart
5	A real life example on ABC analysis
6	An example on MRP for planned released orders
7	An example on line balancing
8	Preparation of organization charts with functional relationship for any SME.

**Project Based Learning may be incorporated by judiciously reducing number of laboratory exercises**

The distribution of marks for term work shall be as follows:

- Lab work/assignments/exercise : **20** marks
- Attendance : **05** marks

**Practical/Oral examination**

1. Each student will be given a small task based on laboratory exercises, which will be assessed by pair of examiners during the oral examination.
2. Distribution of marks for practical-oral examination shall be as follows:  
     Exercise: 15 marks  
     Oral: 10 marks
3. Evaluation of practical/oral examination to be done based on the performance of design task
4. Students work along with evaluation report to be preserved till the next examination