

## LESSON PLAN

Subject Name – Project Management	Branch – Production Engineering
Subject Code – BPEOE703	Semester – 7 <sup>th</sup>

Sl no.	Module	Topic(s)	Period/Hours
1.	I	Project Management: An Overview, Project Selection Project Identification and Screening	1-2
2.	I	Project Appraisal: Part I Project Appraisal: Part II Project Selection	3-4
3.	I	Project Planning: Development of Project Network, Project Representation, Consistency and Redundancy in Project Networks	5-6
4.	I	Tutorial	7
5.	II	Project Scheduling: Basic Scheduling with A-O-A Networks, Basic Scheduling with A-O-N Networks,	8-9
6.	II	Project Scheduling with Probabilistic Activity Times, Time/Cost Trade-offs in Projects	10-13
7.	II	Linear Time Cost Trade-offs in Projects: A Heuristic Approach	14-16
8.	II	Resource Considerations in Projects: Resource Profiles and leveling, Limited Resource Allocation	17-20
9.	II	Project Implementation Project Monitoring and Control with PERT/Cost Team Building	21-22
10.	II	Leadership in Projects, Project Completion, Project Completion, Review and Future Directions.	23
11.	II	Tutorial	24
12.	III	Production Management: Introduction to Production Systems and a Generalized Model of Production, Life cycle of a Production System and Major managerial Decisions.	24-26
13.	III	Financial Evaluation of Production Related Decisions: Performance Measures of a Production System, Financial Evaluation of Capital Decisions, Decision Trees and evaluation of risk.	26-28
14.	III	Tutorial	29
15.	IV	Designing Products and Services: Introducing New Products and Services, Product Mix Decisions	30-32
16.	IV	Production Planning Over Medium Term Horizon: Aggregate Production Planning-Basic Concepts, Modeling Approaches capacity requirements planning.	33-34
17.	IV	Tutorial	35
18.	V	Operational Decisions over the Short Term: Basic Inventory Principles, Inventory Modeling, Inventory related Decisions,	36-38
19.	V	Material Requirements Planning	39
20.	V	Scheduling of Job Shops.	40