

Department of Information Technology

Lesson Plan cum Dairy 2016-17

Name of the Subject: Management Science (14BT5HS02)

Name of the faculty Member: Mr. K. Prasad & Mr. M. Yugandhar

Class& Semester: III B.Tech – I Semester

Section: IT – A&B

S. No.	Topic	No. of periods	Book(s) followed	Topics for self-study
UNIT – I: INTRODUCTION TO MANAGEMENT AND ORGANIZATION				
1	Concepts of management and organization- Nature and Importance of management -	2	T1	Management – global perspective Skills required for a Manager
2	Evolution of management thought - Functions of management - Contributions of F.W. Taylor and Henri Fayol's to the management	2	T1,T2	
3	Systems approach to management - Managerial skills	1	T1,R1	
4	Elements of corporate planning process	1	T2	
5	Environmental scanning - SWOT Analysis - Social responsibilities of management	1	T1,T2	
6	Basic concepts related to organization- Objectives, Procedure and Principles	1	T1,R1	
7	Types of organizations–Merits, demerits and adoptability to modern firms	1	T1	
Total periods required		9		
UNIT – II: OPERATIONS MANAGEMENT				
8	Principles and types of plant layout	1	TI	Location economics
9	Methods of production- Forecasting - Forecasting methods.	1	T1,R1	
10	Work study -Basic procedure involved in method study and work measurement	1	TI,T2	
11	Statistical quality control: Factors affecting quality	1	T2	Pre-Determined Motion Time Studies QC Charts for variables and attributes
12	Quality control using control charts (simple problems)	1	T1,R1	
13	Acceptance sampling.	1	TI,T2	
14	Materials management objectives	1	T1,R1	
15	Inventory - Types of inventory	1	T1,R2	
16	Classical EOQ model- ABC analysis	1	T1,R2	

17	Purchase procedure - Stores management.	1	T1	
18	Marketing: Functions of marketing	1	T2,R2	
19	Marketing mix - Channels of distribution	1	T2,R2	
Total periods required:		12		
UNIT-III: HUMAN RESOURCES MANAGEMENT (HRM)				
20	Nature and scope of HRM	1	T1	Contemporary practices in HR
21	Functions of HRM	1	T1	
22	Role of HR Manager in an organization	1	T2,R2	
23	Job evaluation and merit rating	1	T2,R4	
24	Maslow's theory of human needs	1	T2,R2	
25	McGregor's theory X and theory Y Herzberg's two-factor theory	1	T1	
Total periods required:		6		
UNIT – IV: PROJECT MANAGEMENT (PERT/CPM) AND ENTREPRENEURSHIP				
26	Network analysis - Program evaluation and review technique (PERT)	2	T1,R3	Success stories of entrepreneurs
27	Critical path method (CPM)	1	T2,R3	
28	Probability of completing the project within given time	2	T2,R3	
29	Project cost analysis - Project crashing.	1	T1,R2	
30	Introduction to entrepreneurship - Entrepreneurial traits	1	T2,R2	
31	Entrepreneur vs. manager	1	T1,R2	
32	Role of entrepreneurship in economic development	1	T1	
33	Women as an entrepreneur	1	T1,R2	
Total periods required:		9		
UNIT – V: CONTEMPORARY MANAGEMENT PRACTICES				
34	Basic concepts of Just-In-Time (JIT) system - Total quality management (TQM)	2	T1,R4	Any other contemporary practices
35	Value chain analysis - Enterprise resource planning (ERP)	2	T2	
36	Business process outsourcing (BPO)	1	T2,R4	
37	Globalization-Management challenges	1	T2	
38	Intellectual property rights	1	T1,R4	

39	Supply chain management - Role of information technology in managerial decision making	2	T2, R1	
Total periods required:		9		
Grand total periods required:		45		

TEXT BOOKS:

- T1. O.P. Khanna, "**Industrial Engineering and Management**", Dhanpat Rai and Sons, 2010.
- T2. Stoner, "**Freeman and Gilbert, Management**", 6th edition, Pearson Education, New Delhi, 2005.

REFERENCE BOOKS:

- R1. Kotler Philip and Keller Kevin Lane, "**Marketing Mangement**", 12th edition, PHI, New Delhi, 2007.
- R2. Koontz and Weihrich, "**Essentials of Management**", 6th edition, TMH, New Delhi, 2007.
- R3. N.D. Vohra, "**Quantitative Techniques in Management**", 2nd edition, TMH, New Delhi.
- R4. Heinz Weihrich and Harold Koontz, "**Management- A Global Perspective**", 10th edition, McGraw-Hill International.