Dr. V. N. Bedekar Institute of Management, Thane
Teaching Plan (MMS)
Academic Year (2015-2016)

Programme Name: MMS

Name of the Course: Enterprise Resource Planning

Maximum marks: 100   No. of Sessions: 15

Name of the Faculty: Ms. Vibhuti Save

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Learning Objectives:

This subject provides students with

1. the basic concepts of ERP systems for manufacturing or service companies, and the differences among MRP, MRP II, and ERP systems;

2. thinking in ERP systems: the principles of ERP systems, their major components, and the relationships among these components;

3. In-depth knowledge of major ERP components, including material requirements planning, master production scheduling, and capacity requirements planning.

4. Knowledge of typical ERP systems, and the advantages and limitations of implementing such systems.

Reference Books:

1. Enterprise Resource Planning by Kaoul, Saroj, Galgotia
2. Enterprise Resource Planning by Sumner, Mary, Pearson Education, 2006
3. ERP Concepts & Practice by Garg, V.K. and Venket Krishna N. K.,PHI Publication

Plan:

Session No	Topics to be covered	References-Print/Online	Learning outcomes
1	Enterprise Resource Planning What is ERP? - Features of ERP (Basic and Advanced)	1st & 2nd chapter of Enterprise Resource Planning by Jaiswal and Vanapalli, Macmillan Books.	Students will understand how ERP is evolved.
2	– ERP Architecture – ERP Need Analysis – Return on Investment for ERP	4th & 5th chapter of Enterprise Resource Planning by Jaiswal and Vanapalli, Macmillan Books.	• Students will understand different types of ERP architecture as per

			business requirements • From need analysis students will understand how much to invest in ERP & what will be the outcome from that
3	ERP Implementation and Support ERP Life Cycle,	3rd chapter of Enterprise Resource Planning by Koul, Saroj, Galgotia Publishing, 2001. & 8th chapter of Enterprise Resource Planning by Jaiswal and Vanapalli, Macmillan Books.	Students will understand while implementing an ERP how each step is depend on the respective business process
4	Methodologies and Strategy – Vendor and Software Selection –Business Process Re-engineering related to ERP	9th & 10th chapter Enterprise Resource Planning By D. P. Goyal	Students will understand the vendor analysis process Students will understand the relationship between ERP & BPR
5	Implementation Process – Change Management – Post Implementation Support, Maintenance, Security	13th, 14th & 15th chapters of Enterprise Resource Planning By D. P. Goyal	Students will understand how an organization can manage the resistance to change. Post implementation enables an organization to determine the quality of implemented ERP
6	ERP Functional Modules Human Resource Management Accounting and Finance	5th &7th chapter of Enterprise Resource Planning by Sumner, Mary, Pearson Education, 2006	Students will understand how ERP improves HRM & A/c Finance processes
7	Procurement, Inventory Control Production Planning, Operations	6th chapter of Enterprise Resource Planning by Sumner, Mary, Pearson Education, 2006	Students will understand how ERP improves Procurement & PPC processes
8	Sales, Customer Relationship Management e-Commerce	4th chapter of Enterprise Resource Planning by Sumner, Mary, Pearson Education, 2006 3rd chapter of Enterprise Resource Planning By D. P. Goyal	Students will understand how ERP improves processes also How E commerce & ERP together benefits to organization
9	ERP Technology Areas, Enterprise Applications	16th chapter of Enterprise Resource Planning By D. P. Goyal	Students will be ware about technologies & applications required for ERP
10	Portal and Content Management, Data Warehousing and Data Mining,	Page 143 onwards of Enterprise Resource Planning by Sumner, Mary, Pearson Education, 2006	This will give knowledge about how to manage huge data of an organization
11	Business Intelligence and Analytics - Emerging Trends in	17th chapter of Enterprise Resource Planning	The movement toward a global ERP system is a

	ERP Applications	By D. P. Goyal	key factor, shaping the future of ERP
12	Presentations of Students	Projects given to students 1. BPR in college library system 2. BPR in College Placement website	Scope of the projects for further improvements along with available resources
13	ERP Case Studies	1. ERP development at Auto Rims 2. ERP Systems at Bharat Consumer Goods Limited	Group Discussion on implementation factors
14	Case Studies of ERP Implementation in Manufacturing and Service Sectors	• http://www.uni-obuda.hu/journal/Mishra_Mishra_30.pdf • http://www.gsmi-ijgb.com/Documents/V2%20N2%20JITED%20P01%20-Abeer%20I.%20ALdayel%20-Critical%20Success%20Factors%20of%20ERP.pdf	What is the difference between implementation of ERP in Service sector & manufacturing sector
15	Revision	Queries by students will be solved & revision of all topics	

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Evaluation:

I) Internal:

Component	Details	Marks
Class Test	Multiple choice question test	20
Presentation	Content, Communication skill, Explanation & illustrative examples used	10
Case Study	Group discussions & debates	5
Participation		
Others	Attendance	5

II) External:
(*Sample questions*)

Q.1 How does BPR help in streamlining the work process & achieving significant levels of improvement in quality, time management & cost?

Q.2 How does ERP make the operation of the organization efficient & effective?

Q.3 write short nots om:
   a) ERP architecture
   b) Limitations of three-tier architecture
   c) SOA
   d) Cloud computing

Q.4 why do organization need to perform need analysis for ERP systems? Illustrate.

Q.5 Discuss some of the emerging technologies in the area of ERP systems. Illustrate their impact on ERP systems.

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Signature of Faculty   **Signature of the Co-ordinator**