ENTERPRISE RESOURCE PLANNING

SUB CODE: IT 406

Teaching Scheme (Credits and Hours)

Teaching scheme				Total Credit	Evaluation Scheme					
L	T	P	Total		Theory		Mid Sem Exam	CIA	Pract.	Total
Hrs	Hrs	Hrs	Hrs		Hrs	Marks	Marks	Marks	Marks	Marks
03	00	00	03	03	03	70	30	20	0	120

Total hours (Theory): 45

Detailed Syllabus

Sr. No	Topic	Lecture Hours	Weight age(%)
1	**Intorduction to ERP:** Enterprise – An Overview, Integrated Management Information, Business Modeling, Integrated Data Model	04	08
2	**ERP and Related Technologies** Business Processing Reengineering(BPR), Data Warehousing, Data Mining, On-line Analytical Processing(OLAP), Supply Chain Management (SCM),Customer Relationship Management(CRM), MIS - Management Information System, DSS - Decision Support System, EIS - Executive Information System.	06	14
3	**ERP Manufacturing Prospective:** MRP - Material Requirement Planning, BOM - Bill Of Material, MRP - Manufacturing Resource Planning, DRP - Distributed Requirement Planning, PDM - Product Data Management	06	14
4	**ERP Modules** Finance, Plant Maintainence, Quality Management, Materials Management	06	14
5	**Benefits of ERP** Reduction of Lead-Time, On-time Shipment, Reduction in Cycle Time, Improved Resource Utilization, Better Customer Satisfaction, Improved Supplier Performance, Increased Flexibility, Reduced Quality Costs, Improved Information Accuracy and Design-making Capability	06	14
6	**ERP Implementation Lifecycle** Pre-evaluation Screening, Package Evaluation, Project Planning Phase, Gap Analysis, Reengineering, Configuration, Implementation Team Training, Testing, Going Live, End-user Training, Post-implementation (Maintenance mode)	04	08
7	**ERP Case studies** E-Commerce to E-business E-Business structural transformation, Flexible Business Design, Customer Experience, Create the new techo enterprise, New generation e-business leaders, memo to CEO, Empower your customer, Integrate Sales and Service, Integrated Enterprise applications	06	14
8	**E-Business Architecture** Enterprise resource planning the E-business Backbone Enterprise architecture planning, ERP usage in Real world, ERP implementation, Future of ERP applications ,memo to CEO E-Procurement, E-Governance, Developing the E-Business Design	04	08
9	**Introduction to ERP tools** JD-Edwards-Enterprise One Microsoft Dynamic CRm-Module	03	06
	TOTAL	**45**	**100**

Reference Books:

1. Enterprise Resource Planning - Alexis Leon, Tata McGraw Hill.
2. Enterprise Resource Planning – Diversified by Alexis Leon, TMH.
3. Enterprise Resource Planning - Ravi Shankar & S. Jaiswal , Galgotia.