

Course Title	Enterprise Resource Planning
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Course Objectives:

1	To acquire in-depth knowledge of ERP as a prime Application Software product
2	To learn operational aspects of ERP implementation and support
3	To know features of important ERP modules
4	To learn, through case studies, practical aspects of ERP in various industries

Syllabus:

Unit Number	Contents	Number of Sessions
1	Enterprise Resource Planning What is ERP? - Features of ERP (Basic and Advanced) – ERP Architecture – ERP Need Analysis – Return on Investment for ERP	7+2
2	ERP Implementation and Support ERP Life Cycle, Methodologies and Strategy – Vendor and Software Selection –Business Process Re-engineering related to ERP - Implementation Process – Change Management – Post Implementation Support, Maintenance, Security	5+2
3	ERP Functional Modules Human Resource Management Accounting and Finance Procurement, Inventory Control Production Planning, Operations Sales, Customer Relationship Management e-Commerce	9+2
4	ERP Technology Areas, Enterprise Applications Portal and Content Management, Data Warehousing and Data Mining, Business Intelligence and Analytics - Emerging Trends in ERP Applications	7+2
5	ERP Case Studies Case Studies of ERP Implementation in Manufacturing and Service Sectors	7+2



Learning Resources:

1	Text Books	Enterprise Resource Planning, Ray, Tata McGraw Hill
2	Reference Books	ERP Demystified, Alexis Leon, Tata McGraw Hill Enterprise Resource Planning, A Managerial Perspective, Goyal, Tata McGraw Hill
3	Supplementary Reading Material	Enterprise Resource Planning (ERP): A review of the literature by Young B. Moon, International Journal of Management and Enterprise Development, Vol. 4, No. 3
4	Websites	www.sap.com erp.iitkgp.ernet.in
5	Journals	Journal of Enterprise Resource Planning Studies