

Devi Ahilya University, Indore, India Institute of Engineering & Technology				I Year M.E.(Industrial Engineering and Management) Full Time			
Subject Code & Name	Instructions Hours per Week			Credits			
IMR2G2 ENTERPRISE RESOURCE PLANNING	L	T	P	L	T	P	Total
	3	1	1	3	1	0	4
Duration of Theory Paper: 3 Hours							

Objectives & Prerequisites: To impart the basics of Enterprise Resource Planning (ERP) & its implementation methodologies to the students

COURSE CONTENTS

Unit - 1

Introduction:

ERP: an over view, Benefits of ERP, REP and related technologies, Business Process Reengineering, Data warehousing, Data Mining, Online Analytical processing (OLAP), Supply Chain Management.

Unit – 2

ERP Implementation:

ERP implementation Life cycle, Implementation Methodology, Not all packages are created equal, ERP Implementation Hidden Costs, Organizing the implementation, Vendors, Consultants and Employees.

Unit – 3

The Business Modules:

Business Modules in an ERP Package, Finance, Manufacturing (Production), Human Resources, Plant Maintenance, Materials Management, Quality Management, Sales & Distribution.

Unit – 4

The ERP Market:

ERP Market place, SAP AG, PeopleSoft, Bann Company, Oracle Corporation. QAD, System Software Associates, Inc. (SSA).

Unit - 5

ERP – Present & Future:

Turbo Charge the ERP System, Enterprise Integration Applications (EIA), ERP and E – Commerce, ERP & Internet, Future Directions in ERP.

BOOKS RECOMMENDED:

- [1] Leon Alexis, ERP Demystified, Tata McGraw – Hill, 1e,2004.
- [2] Garg V.K. & N.K. Venkitakrishnan ERP Ware: ERP Implementaion Framework, PHI, 4e,2004.
- [3] Leon Alexis, ERP Concepts and Planning, Tata Mcgraw – Hill,1e,2000.