



Sub Committee for Curriculum Development

Course Name: Enterprise Resource Planning

(UG/PG): PG

Number of Credits: 2

Level: 4

Description and Rationale:

The role of IT infrastructure Computer applications for management support has been ever increasing with every development in business functions. Many organizations including manufacturing, banks, insurance firms, government agencies extensively use computerized analysis in their decision-making. Companies have realized the importance of linking the various functions of management in order to develop a thorough networking of business functions. Companies are developing distributed systems that permit uncomplicated accessibility to data saved in several locations. Managers can make better decisions because they have access to more accurate information. This course introduces the fundamentals of the ERP environment, which is accepted as the basic platform to understand the business processes upon which the support systems are built.

Learning Objective(s): To understand the importance of ERP and its relationship with the support systems.

To understand the comprehensiveness of ERP Implementation as a strategic initiative of business.

Learning Outcomes:

Understand and recognize the significance of ERP in today's business context.

Understand and appreciate the percolation of ERP into core business processes and as an enabler for extending its scope to back and forth the supply chain for organizations

Understand the relationship between technological motivation with business justification when ERP implementation is done which has strategic implications for the business

Pedagogy:

Interactive sessions with emphasis on related theory. Apart from lecture session, students are expected work extensively on case studies which substantiate their theoretical understanding.

Pre-learning:

Basic understanding on the business functions and processes.

Basic knowledge on the domains of industry verticals will be an added advantage

Course Outline:

Topic	Details of the topic to be covered	Teaching Tools (Cases/ Audio-Visual, Software etc.)	No. of Hours
Overview	Syllabus Discussion	Presentation	1
ERP Foundation	Introduction to ERP, Evolution and the Integrated systems approach	Slide presentation/ Video Case	1
	Need of ERP in today's business context – Before and After of ERP for Business	Slide presentation	1
	ERP Design, and System Architecture	Slide presentation	2
	Modules of ERP and ERP Vendors	Slide Presentation	1
Business Process Reengineering	Role of Business Process Engineering in ERP, GAP Analysis	Case study	2
ERP & MSS	Relationship between ERP and components of Management Support Systems like MIS, DSS, ESS, DW&BI	Slide presentation and Case Study	2
ERP as a Project	Project Management and ERP	Slide Presentation	2
	Implementation challenges	Slide Presentation/ Video Case	2
	Evaluation and selection of a suitable ERP Package – Product Vendor vs. Implementation Vendor analysis	Slide presentation and Case Study	2
	ERP for Large Organization vs ERP for SMEs	Case Study	2
	Project planning, Implementation team training & testing, End user training & Going Live, Post Evaluation & Maintenance	Case studies on ERP Implementation and Post implementation review of ERP Packages in select Industry verticals	3
Extended ERP	Integration of ERP with SCM, CRM and PLM	Slide Presentation	1
ERP Trends	ERP adoption models – The role of SAAS model and Cloud Computing in ERP adoption	Case Studies	2
ERP Practical	SAP-ERP based hands on exercises on purchase and sales cycle	SAP ECC6.0 Lab exercises	6
		Total	30

Books Recommended:

1. Enterprise Resource Planning, Mary Sumner, Pearson Education, Fourth Impression 2009
2. Enterprise Resource Planning, Ellen F. Monk, Bret J. Wagner, Cengage Learning, First Indian Reprint 2009
3. Enterprise Resource Planning – Concepts and Practices by Vinod Kumar Garg & N K Venkatakrisna, PHI
4. Textbook of Enterprise Resource Planning by Mahadeo Jaiswal & Ganesh Vanapalli, Macmillan, 1/e 2005
5. Enterprise Resource Planning – Alexis Leon Tata McGraw Hill, 1/e, 2003

Reference books or related web-sites:

1. Managing Business with SAP – Linda Lau (Idea Group Inc.)
2. Enterprise Resource Planning by S Sadagopan – PHI
3. <http://www.sap.com/industries/index.epx> / www.sap-img.com

Additional Readings:

Additional study materials if required and found suitable will be circulated in the form of cases from HBS, and other selected sources, relevant videos of solutions providers and from other sources as selected by the faculty.

Suggested Evaluation Methods:

1	Surprise Quizzes, Crossword puzzles	30
2	Assignments (Class / Take-home), Class Tests	30
3	Mini-project (Group)	40
	TOTAL	100

Parallel/Similar courses the existing curriculum:

S.No.	Name of the course	Institute where it was offered

Name of Member					
Designation					
Org. / Inst.					
Signature					

Name of the Expert:

Signature:

Date:

