

SARDAR PATEL UNIVERSITY

B.Sc. Information Technology

III Semester

Syllabus with Effect from: June-2012

Course : US03EINT03

(Enterprise Resource Planning)

Credits : 2
Lectures per week : 2
University Exam Duration : 2 Hours

All units carry equal weightage.

Unit – 1. Introduction

- Enterprise Resource Planning (ERP) : introduction, history, advantages.
- Enterprise : introduction, business modeling, integrated data model, integrated management information.
- Basic concepts of ERP.
- Risks (All types risks in brief)
- Benefits of ERP.

Unit – 2. ERP and Related Technologies

- Introduction to MRP, MRP-II and ERP.
- Business Process Reengineering (BPR).
- Data warehousing, data mining and Online Analytical Processing (OLAP).
- Product Life Cycle Management (PLM),
Supply Chain Management (SCM),
Customer Relationship Management (CRM).

Unit – 3. ERP Marketplace and Functional Modules

- Marketplace : overview, dynamics, changing ERP market.
- Indian ERP Scenario.
- Functional modules of ERP software.
Integration of ERP, SCM and CRM

Unit – 4. ERP – Selection and Implementation

- ERP package selection.
- ERP Implementation basics,
- ERP Implementation Life Cycle.
 - Introduction
 - Objective
 - Phases of implementation

MAIN REFERENCE BOOKS :

1. Alexis Leon : Enterprise Resource Planning, Tata McGraw-Hill, New Delhi 1st and 2nd editions.
2. Internet based resource.