



RAJALAKSHMI
ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai



BA17205

INFORMATION MANAGEMENT

LT P C 3 0 0 3

Course Objective

- To understand the importance of information in business
- To know the technologies and methods used for effective decision making in an organization.

UNIT I INTRODUCTION 10

Data, Information, Intelligence, Information Technology, Information System, evolution, types based on functions and hierarchy, System development methodologies, **Functional Information Systems, DSS, EIS, KMS, GIS, International Information System.**

UNIT II SYSTEM ANALYSIS AND DESIGN 10

Case tools - System flow chart, Decision table, Data flow Diagram (DFD), Entity Relationship (ER), Object Oriented Analysis and Design(OOAD), UML diagram.

UNIT III DATABASE MANAGEMENT SYSTEMS 9

DBMS – HDBMS, NDBMS, RDBMS, OODBMS, Query Processing, SQL, Concurrency Management, Data warehousing and Data Mart

UNIT IV SECURITY, CONTROL AND REPORTING 8

Security, Testing, Error detection, Controls, IS Vulnerability, Disaster Management, Computer Crimes, Securing the Web, Intranets and Wireless Networks, Software Audit, Ethics in IT, User Interface and reporting.

UNIT V NEW IT INITIATIVES 8

Role of information management in ERP, e-business, e-governance, Data Mining, Business Intelligence, Pervasive Computing, Cloud computing, CMM.

TOTAL: 45 PERIODS

Course Outcome

After completing the course, the Learners should be able to :

- Gain knowledge on effective applications of information systems in business .
- Gain awareness about systems analysis and design.
- Gain knowledge on Database management systems.
- Get exposure to security, testing and related aspects.
- Gain knowledge on ERP and new concepts like business intelligence.

TEXTBOOKS

J. W. Haydon

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APPLIED OPERATIONS RESEARCH

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