

**CORE COURSE – XV : MANAGEMENT INFORMATION SYSTEMS**

**UNIT I INTRODUCTION TO BUSINESS SYSTEMS IN BUSINESS:**

Need for IS in Business – fundamentals of IS – System concepts – Components of IS – IS resources Activities –Overview of IS –Operation Support Systems, Management Support Systems, Other Classification – System approach to Problem solving – Global business scenario – trends in technology and applications.

**UNIT II INFORMATION SYSTEMS FOR BUSINESS OPERATIONS:**

Business Information Systems – Marketing Information Systems – Manufacturing – Information Systems – Human Resource Information Systems –Accounting Information Systems, Financial Information Systems – Transaction Processing System.

**UNIT III INFORMATION SYSTEMS FOR MANAGERIAL DECISION SUPPORT:**

Management Information & Decision Support Systems - Management Information Systems – Expert Systems – Examples, Executive Information Systems – Artificial Intelligence Technologies.

**UNIT IV INFORMATION SYSTEMS FOR STRATEGIC ADVANTAGE:**

Strategic roles of IS-Breaking Business Barriers – Reengineering Business Processes Improving Business Quality – Creating Virtual Company – Building Knowledge Creating Company – Using Internet Strategically – Challenges of Strategic IS – Enterprise-wide systems and E-Business applications.

**UNIT V MANAGING INFORMATION SYSTEMS:**

Enterprise Management – Information Resource Management – Strategic Management, Operational Management – Resource Management Technology Management – Distributed Management. Organizing Planning – IS planning methodologies – Critical Success Factors – Business Systems Planning – Computer Aided Planning Tools. Security & Ethical Challenges: IS Controls – Facility Controls – Procedural Controls – Computer Crime – Privacy Issues.

**TEXT BOOKS:**

1. O'Brien, J.A."Management Information Systems" Tata McGraw Hill Publications.

**References:**

1. McLoed, J.R.R. "Management Information Systems" Maxwell Macmillan International.
2. Kroenke D and et al "Management Information Systems – An Introduction" McGraw Hill Publications.