

DECISION SUPPORT SYSTEMS AND MANAGEMENT INFORMATION SYSTEM

COURSE NO. CP: 302

Max. Marks (Ext. Exam): 80
Min. Pass Marks : 32

OBJECTIVES:

The objective of the courses to develop the basic understanding of the decision support system of the artificial intelligence for business organisation.

COURSE CONTENTS :

- Unit – I Management Information System: basics; System Concepts; System entropy; Subsystems – basics, decomposition / simplification; System types; Value of Information.**
- Unit – II Frame works – major trends and applications of information technology; System Analysis & Design: Systems Development Methodologies – SDLC & Prototype approach, Case Study.**
- Unit – III Managerial Decision Making : Decision basics; Decision types; Certainty, Uncertainty, Risk-taking, Decision making process; Problem solving techniques; DSS Overview.**
- Unit – IV DSS – relevance/scope/characteristics/capabilities/components; DSS v/s MIS; DBMS : Sources of data – data file/database environment; data models – relevance of relational data base design in DSS.**
- Unit – V Dialog generation system : User interface – graphics, menus, forms; DSS generators; DSS development : steps in designing/identification of decision/, building of DSS/implementation/performance testing.**

SCHEME OF EXAMINATION:

Total Marks : (Internal 20, External 80) = 100 marks

PATTERN FOR EXTERNAL EVALUATION:

Sec. A: (Short Answers)	4 out of 8	4 x 8 = 32 Marks.
Sec. B: (Essay type & case)	3 out of 5	3 x 16 = 48 Marks.

SUGGESTED READINGS :

1. Keen, Peter G. W. : Decision Support System an Organisational Perspective Addison-Wesley Pub.
2. Theierauff, Robert J. Decision Support System for- effective planning – Prentice Hall- 1982
3. Krober, Donald W., and Hugh. J. Watson Computer Based Information System New York, 1984
4. DavisL, Michael W. A management approach- Macmillan Publishing Company, Prantice Hall, New Jersey, 1988
5. Andrew P. Decision Support System Enginnering Sage, John Wiley & Sons, New York, 1991
6. Leod, Raymond Me JR Management information systems – Macmillan Publishing Company, New York – 5th Edition- 1993
7. Turban, Efrain Decision Support & Expert Systems – Management Perspective – Macmillan Publishing Company, New York, 1988