

CP-205 : MANAGEMENT INFORMATION SYSTEM

Objective

The objective of the course is to develop the basic understanding of the decision support system of the artificial intelligence for business Organization.

Course Contents :

Unit-I

Management Information System: Definitions - Basic Concepts Frameworks - Major Trends in Technology, applications of Information Technology. System & Design: Systems Development initiative, Different Methodologies - Life Cycle & Prototype approach, Detailed study on Life Cycle Design & implementation, Case Study.

Unit-II

Managerial Decision Making: Decision making process, problem solving techniques, how decisions are being supported - decision styles group decision making, features of various CBIS.

Unit -III

Decision Support System : An Overview ; Relevance, Scope of DSS, characteristic and capabilities of OSS, components of OSS, classification of DSS, Database Management System: Sources of data -data file environment database environment - data models - relevance of relational data base design in DSS.

Unit -IV

Model Base Management system: Types of models, function, time, certainty, uncertainty, risk, structure OR models, Dichotomous model of mind - Simon's model in information system design simulation technique. Dialog generation management system.

Unit –V

User interface - graphics menus - Forms OSS tools - DSS generators - specific DSS. Constructing a DSS: Steps in designing a OSS identification of decision, building- of DSMS, building of MSMS - building of DGMS, implementation, performance testing. Recent trends in MIS

Suggested Readings

1. Keen, Peter G.W.: Decision Support System an Organizational 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 Newyork, 1984*
4. *DavisL, Michael W. A management approach - Macmillan Publishing Company, Prentice HaliNew Jersey, 1988.*
5. *Andrew P. Decision Support System Engineering,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*

The list of cases and specific references including recent articles will be announced in the class at the time of launching of the course.