

## **Decision Support Systems (Elective-IV)**

1. **M.I.S and Its Role In Organizations** Open-Systems and Closed Systems D.S.S Its Relation to M.I.S, Characteristic Role of D.S.S as Different From M.I.S in an Organization, Expert DSS and Its Role as an Aid to Management Decision Process.
2. **Deterministic Models:** Models Required to Cope With Uncertainty, Probabilistic Models and Fuzzy Sets, Fuzzy DSS and Fuzzy Expert DSS
3. **Application of DSS:** Some Functional Areas of Management Like Finance, Marketing, Production Planning and Control Etc.
4. **Non-Optimizing Models of DSS:** Simulation Techniques and Monte- Carlo Methods.
5. **Application of DSS:** Technical Feasibility and Financial Viability of DSS. Advantages and Limitations of DSS –Contemporary practices.
- 6 **Introduction to Artificial Intelligence (AI):** An Overview of AI– AI Technologies in Business, Domains in AI, Neural networks.
- 7 **Fuzzy logic systems in Business:** Virtual Reality, Intelligent agents, expert system and its components, Applications of expert system, developing expert systems, value of expert systems.
- 8 **Case Studies,**

## **References**

1. V.S. Janaki Raman: Decision Support System, PHI Learning, New Delhi, 2009
- 2 Mallah: Decision Support and Data Warehouse Systems, TMH New Delhi, 2002
- 3 Turbon: DSS and Intelligent Systems, Pearson Education, 2010.
- 4 George M..Marakas: “Decision Support Systems in the 21st Century”, 2/e, Pearson Education, New Delhi, 2008.