

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
M.Sc. (I.T.) [Five Years Integrated Course]
M.Sc. (Information Technology)
2nd Semester Syllabus

Effective From July-2003

Paper No : 803
Paper Title : Elective – I – Decision Support System.

[L : 4, P : 0 Hrs]

1. The Problem Solving Process.
2. The Analytic Modelling Process.
3. Descriptive Assessment -- Criteria and Weights.
4. Descriptive Assessment -- Alternatives and Ranking.
5. Values and Normative Choice.
6. Choices Under Uncertainty.
7. Uncertainty and Normative Choice.
8. Sequential Decision Making.
9. Multi – Actor Decision Making.
10. Constraint-Based Policy Optimisation. Solutions to Problems.

Main Readings :

1. Decision Support Systems and Intelligent Systems. – Efraim Turban, Jay E. Aronson
2. Decision Support Systems : A Knowledge Based Approach. – Clyde W. Holsapple, Andrew B. Whinston.
3. Decision Support Systems Engineering. – Andrew P. Saga. – Wiley Series

Supplementary Reading:

1. Decision Support And Data Warehousing Systems - Mallach Efrem G. - Tata Mcgraw-Hill
2. Decision Support Systems - Janakiraman V.S., Sarukesi K.
3. Decision Support Systems - An Organizational Perspective -Peter F. Keen -Addison-Wesley Longman
4. Information System Concepts for Management, 5th Edn, Lucas, H.C., McGraw Hill.
5. Kroenke, D., Management Information Systems, 2nd Edn. McGraw Hill
6. Decision Support Systems - William C. House , McGraw Hill.