

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 – Management Information Systems.

[L : 4, P : 0 Hrs]

1. The meaning & role of MIS.

- 1.1 What is MIS ?
- 1.2 What is Systems Approach ?
- 1.3 The systems view of Business.
- 1.4 The importance of information.
- 1.5 Relationship of information to IRM.
- 1.6 The manager & types of information.
- 1.7 The effective MIS.

2. Development of effective MIS.

- 2.1 Systems prior to MIS.
- 2.2 Past & current MIS.
- 2.3 MIS development process.
- 2.4 Management, Information & the systems approach.
- 2.5 Basic IO like marketing, financial etc.
- 2.6 Decision making & MIS.
- 2.7 Decision support system.
- 2.8 Characteristics of DSS.
- 2.9 System classification.

3. Strategic & Project Planning

- 3.1 General business planning.
- 3.2 Appropriate MIS response
- 3.3 General MIS planning.
- 3.4 Detailed MIS planning.

4. Conceptual System design.

- 4.1 Define problems.
- 4.2 See systems objectives.
- 4.3 Establish system constraints.
- 4.4 Determine information needs.
- 4.5 Determine information sources.
- 4.6 Develop alternative conceptual design & select one.
- 4.7 Document the system concepts.

5. Detailed System design.

- 5.1 Inform & involve the organization.
- 5.2 Aim of detail design.
- 5.3 Project management of MIS detailed design.
- 5.4 Identify dominating & tradeoff criteria.
- 5.5 Define the subsystems.
- 5.6 Define the degree of automation.
- 5.7 Inputs, outputs & processing.
- 5.8 System listing.
- 5.9 Document the design.

6. Pitfalls of MIS development.

- 6.1 Fundamental weaknesses.
- 6.2 Soft spot if planning.
- 6.3 Design problem.
- 6.4 Implementation problem.

Main Readings :

1. Murdick, Ross, and Clagget : Information Systems for modern management. – PHI

Supplementary Readings :

1. Bennet : Building Decision Support System – Addison Wesley
2. Senn: Analysis & Design of Information Systems – PHI
3. Lucas: Analysis Design and Implementation of Information Systems – TMH
4. David: Applied Decision Support – PHI
5. Kanter J.: Management Information Systems –PHI
6. Prasad L M: Principles of Management - PHI
7. Kuntz: Principles of Management – TMH