**TEACHING PLAN**

**Subject:** **CP-206 – MIS & DSS**

**Class:** 2ND Semester MBA(Regular)

**Instructor/Teacher**: Dr. Dasarathi Sahu, Reader

**Course Objectives:**

The course is designed to acquaint the students with decision making ability using MIS & DSS concepts and tools. The concepts such as Decision Tables, Decision Tress for solving any complex logic; Simon’s & Massie’s decision making models; to have an overview of SDLC; Concepts of DFD and Database Design; Capabilities of DSS; Components of DSS; What-IF Analysis; Application of software tools such as Spreadsheet, DBMS & SPSS.

**Course Outcome:**

On successful completion of the paper students can enhance their critical thinking, working knowledge on information systems for managing business operations and decision making using MIS and DSS tools.

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| **Session No** | **Topic** |
| **1** | Conceptual Foundations of Information Systems |
| **2** | Introduction to Information Systems |
| **3** | Types of Information, Organisation as an IPU |
| **4** | Organisational Functional Subsystems |
| **5** | Activity Subsystems, Operating elements of Information Systems |
| **6** | MIS & Top Mgmt., Structure of Information Systems, Types of Information Systems, & Evaluation of MIS. |
| **7** | Decision Making: Introduction to Decision Making, Structured & Unstructured Decisions |
| **8** | Decision Tables & Trees for structured/Programmed Decisions |
| **9** | Additional categories such as Departmental, Inter-Departmental and Enterprise Decisions |
| **10** | Organisational and Personal Decisions, Individual and Group Decision Making |
| **11** | Decision Making Process- Simon’s & Massie’s Decision Making Model |
| **12** | Information requirements for Intelligence, Design, Choice and Implementation Phase |
| **13** | Introduction to MIS: Overview of MIS-Basic Concepts, Definition of TPS and MIS |
| **14** | Functions & Characteristics of MIS |
| **15** | Computer-Based-User Machine System, Integrated System |
| **16** | Need for Database, Utilization of Models |
| **17** | MIS versus Data Processing, MIS & DSS, MIS & IRM |
| **18** | End End-User Computing, MIS & Other Disciplines. Subsystems of an MIS |
| **19** | Introduction to System Development |
| **20** | Overview of Systems Analysis and Design |
| **21** | Models of Information Systems |
| **22** | System Development Life Cycle |
| **23** | Concepts of DFD and HIPO chart |
| **24** | Database Design, Normalization Techniques |
| **25** | Introduction : A framework of Decision Support |
| **26** | The concepts of DSS, EIS, ES and KMS |
| **27** | Characteristics & Capabilities of DSS, Components of DSS |
| **28** | Decision making under certainty, Risk & Uncertainty, What-If Analysis |
| **29** | Application Development using Spreadsheet & DBMS |
| **30** | Concept of SPSS package |

**Scheme of Evaluation**

1. Internal (Mid-Term examinations) : 20 marks
2. End-Term Examinations : 50 marks
3. End-Term Practical Examinations : 30 marks

Total = 100 marks

**Recommended Books:**

1. MIS, Davis & Olson, TMH Publication.
2. DSS & IS, E. Turban & J.E. Aronson, Pearson Education.
3. IGNOU Study Materials