

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. (CIVIL) – (Branch-49)-Construction Management Year – I (Semester – II) (W.E.F. January 2013)

1724907: -Major Elective – III Essentials of Management Information System

Sr. No.	Course Content
1	Management: Definition, functions, levels, role of different levels of management in planning, decision making and control.
2	Information: Definition, Attributes and Value of information, Types of decision and value of information, Age of information.
3	System: Definition, Description, Types of systems, Decoupling and Control of Systems, Stress in systems.
4	MIS: Definition, Characteristics, Problems, Classification.
5	Computer hardware and software for MIS, Database, DBMS. MIS in practice: Transaction processing systems, Information reporting systems, Decision support systems, Expert systems and Office automatic systems.
6	Project Planning, Analysis and Design of MIS: MIS as system, Software development life cycles, Feasibility study, Requirement analysis, data flow diagram and data dictionary, Process description. Software requirement specifications, Systems design, Structures Charts, Input-output design Development - testing, implementation and maintenance of MIS.

Tutorials:-

1. Assignment work is based on above subject contents.

References:

1. Gordan Davis B., (1989) "Management Information Systems. Conceptually foundation, Structure and Development", McGraw Hill Book Company, International Edition.
2. Arora Asok, (1999) Bhatia Akshaya, "Information Systems for managers", Excel Books, New Delhi.
3. Sadgopan S., (1998) "Management Information Systems", Prentice Hall India Ltd., New Delhi.
4. Analysis and Design of Information System ,V.Rajaraman,-Prentice Hall of India
5. Management Information System, Kanter J.,Prentice Hall India.