

**Group: INFORMATION TECHNOLOGY**

MBA II Year	MBA-E316/416		Semester-III/IV		
	<b>Information System Analysis And Design</b>				
Time Allotted for End Semester Examination	Marks Allotted for Internal Assessment	Marks Allotted for End Semester Examination (ESE)	Maximum Marks (MM)	Total Credits	Maximum Hours
<b>3 Hrs.</b>	<b>30 (20+10)</b>	<b>70</b>	<b>100</b>	<b>03</b>	<b>40</b>

**OBJECTIVE:** This course is for the students of MBA program, who are specializing in Information Technology. It aims at acquainting these students with tools techniques of planning, analyzing, designing, implementing and maintaining Information system.

- Types of Information, Need for a Computer based Information System, Management Structure, Management and Information Requirements, Qualities of Information. **Case Study1:** Hotel Stay Cool. **(8 hours)**
- Overview of Design of an information System, The Role and Tasks of a System Analyst, Attributes of a System Analyst, Tools used by System Analyst, Approaches to System Development (JAD & RAD). **(8 hours)**
- Information Sources, Interview Techniques, Questionnaires, Other Methods, System Requirement Specification, Data Requirements, Modularizing Requirement Specifications, Cost benefit Analysis, Payback Period, Feasibility Report. **Case Study2:** System Requirement specification: An Illustrative case. **(8 hours)**
- Symbols used in Data Flow Diagrams (DFDs), Describing a System with a DFD, Conventions in Developing DFDs, Levelling of DFDs, Logical and Physical DFDs, Process Specification Methods, Structured English. **(8 hours)**
- Control in Information Systems, Audit of Information Systems, Testing of Information Systems, Security of Information Systems. **(8 hours)**

**SUGGESTED READINGS:**

1. Arthur, M.L. (2008). *Analysis and Design of Information Systems (3<sup>rd</sup> Ed.)*. Springer.Verlag London Ltd, London.
2. Dixit, J. B.,& Kumar, R. (2007). *Structured System analysis and Design*. Laxmi Publications (P) Ltd, New Delhi.
3. Rajaraman, V. (1991). *Analysis and Design of Information System*. PHI, New Delhi.
4. Shelly, G. B., Rosenblatt, & Harry J. (2012). *System Analysis and Design (9<sup>th</sup> Ed.)*. Cengage Learning, New Delhi.
5. Whitten, J. L., Bentley, L. D.,& Dittman ,K. C. (2004). *Systems Analysis and design Methods*.Tata McGraw Publishing Company Limited, New Delhi.