

UNIT I

Problem identification: What is the actual problem? , What are the causes for this problem? , Is it important to solve this problem? , How complex it is? , What are the likely solutions to this problem? , What type of benefits can be expected once the problem is solved? and so on.; Internal and external environment; Problem of : reliability, validity, accuracy, economy, timeliness, capacity , throughput ; advantages of problem identification in SDLC

UNIT II

Feasibility study and cost benefit analysis: Need for feasibility study: whether a new system is to be installed or not? , determine the potential of the existing system, improve the existing system and know what should be embedded in the new system, define the problems and objective involved in a project, avoid crash implementation of a new system, avoid the “hardware approach”; Method : Technical feasibility , Economics feasibility and Operational or behavioral feasibility

UNIT III

System requirement analysis: What outputs are needed? , What inputs are needed to obtain these outputs? , What operations it must perform to obtain these outputs? , What resources must be used? , What operational and accounting controls are needed? etc. ; Different ways to assess the user requirements