EXPL 412

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 theses 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