**EXPL 412**                    **EXPERIENTIAL LEARNING - I**                    **6(0+6)**

## 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