Subject	Project Management	Course Code	IT470	Theoretical	3hrs / wk
Semester	7	Prerequisite	None	Practical	3hrs / wk

Course Objectives

This intensive course provides the practical knowledge and hands-on exercises that are required to prepare for starting and completing a project successfully. The success of the project manager depends on his/her understanding of the competencies and structure of project management. Through discussion, facilitation and practical exercises, the course participants will understand the basic concepts of the nine areas of the project management body of knowledge (PMBOK®) during a project's lifecycle (concept, development, implementation, and termination).

Participants

Individuals from various industries directly involved in project management including Project Managers, Project Team Leaders, Team Members and other staff aspiring to become project managers.

Learning objectives

By the end of the course the participants will be able to:
- Understand the basics of the processes and relationships of the nine areas of the Project Management Body of Knowledge.
- Understand the Project lifecycle.
- Generate project requirements and determine the operational success criteria to be achieved by the project's outcome.
- Create a project Work Breakdown Structure (WBS).
- Design a project schedule with activities, duration, and interdependencies.
- Use the Critical Path Method (CPM) and the Program Evaluation and Review Technique (PERT) to create time and resource schedules.
- Develop and document a comprehensive and integrated project plan.

Course Outline

1. An introduction to the field of Project Management and its development.

2. An introduction to the Processes of the Project Management Body of Knowledge.
3. The project lifecycle.
4. Project Manager's Role – Define project manager/project sponsor/functional manager/team member roles and responsibilities and understand the impact of different organizational structures and reward/recognition strategies.
5. Document Relationships – Relate the Statement of Work (SOW), Work Breakdown Structure (WBS) and Specifications to each other.
6. Scheduling Processes – Identify activities, estimate duration, and establish logical relationships.
7. Time scheduling using CPM and PERT techniques.
8. An introduction to resource planning using CPM.
9. Project Control and Reporting.