APT 3050: INTRODUCTION TO PROJECT MANAGEMENT

Prerequisite: APT 1050: Database System

3 Credit Units

Rationale

For any systems development project, effective project management is necessary to ensure that the project meets the deadline, is developed within an acceptable budget, and fulfills expectations and specifications. Applied Computer Technology students need to understand and acquire skills of project management which is the process of defining, planning, directing, monitoring, and controlling the development of an acceptable system at a minimum cost within a specified time frame.

Course Description

The course introduces the students the essentials of project management and the project life cycle. Topics include project life cycle management, and all project processes including project charter, network diagramming, scope management, cost management, risk management, issue management, change management, scheduling and schedule management.

Learning outcomes

After the end of the course, students will be able to:

1) Describe what project management means and show how it improves the success of information technology project

2) Demonstrate knowledge of project management terms and techniques.

3) Apply project management techniques to manage resources in an information technology project;

Course Content

Project life cycle management . Project charter . Network diagramming. Scope management. Time management. Quality management. Procurement management. Cost management. Risk management . Issue management. Change management. project integration management. Scheduling and schedule management.

Teaching Methodology

The primary teaching methods will be lectures and demonstrations. The student will attend lectures and demonstrations participate in discussion on assigned readings, complete assigned projects, and complete required tests and examinations.

Instructional material & equipment

Textbooks, whiteboard, handouts, electronic projector and laptop, Internet access, special graphics software's and library.

Methods of evaluation

Laboratory Work	20%
Project	20%

Assignments	10%
Mid-semester	20%
Final semester exams	30%
Total	**<u>100%</u>**

Course Text

Absolute Beginner's Guide to Project Management, 2nd Edition, by Greg Horine 2009