

Title	Project Management
Code	CMP-392
Credit Hours	3
Category	IT (Core)
Prerequisite	None
Co-Requisite	None
Follow Up	None
Course Description	<p>Topics: Definition of a project, Scope triangle, The S curve, Definition of project management, Five phases of project management life cycle: Defining, planning, executing, controlling, closing, Scope of project, Project Work Breakdown Structure (WBS), Estimate activity duration: Causes of variation in activity duration, five methods of Estimating Activity Duration, Project Networks: Critical Path Method (CPM), Build the project network, Analysis of the project network, Project Evaluation Review Technique (PERT), Activity on Arrow, Activity on Node, GANTT Chart, Using MS-Project to draw GANTT chart and project Networks, Prepare project Proposal: Purpose of the project proposal, Contents of the project proposal, Format of the Project Proposal, Staffing and Personnel Planning: Personnel Plan, Team structures: Democratic decentralized, Controlled Decentralized, Controlled Centralized, Coordination and communication issues, Maslow's need theory of motivation, Software Project Team Roles and Responsibilities, Risk Identification, Analysis and Management, Configuration Management: Change Management and Control, baselines, Version Control, Earned Value Analysis for Project Monitoring and Control. Examples of Earned Value Analysis, Project Quality Assurance Plans, SQA Process Project Quality Standards, Project Documents</p>
Text Book(s)	Guide to the Project Management Body of Knowledge (PMBOK® Guide), 6 th Edition, Project Management Institute, 2017, ISBN-10: 1628251840.
Reference Material	Teresa Luckey, Joseph Phillips, Software Project Management For Dummies, 1st Edition, For Dummies Publisher, 2006, ISBN 0471749346.