

3. INFORMATION TECHNOLOGY DOMAIN CORE COURSES

Course Title	IT Project Management
Course Code	DI-321
Credit Hours	3
Category	Domain Core
Prerequisite	None
Co-Requisite	None
Follow Up	None
Course Description	<p>Introduction: Project Management. Project Management in Information Technology Context. The Project Management Process Groups. Scope triangle, The S curve. Five Phases of Project Management Life Cycle: Defining, planning, executing, controlling, closing, Scope of project, Project Work Breakdown Structure (WBS), Project Time Management. 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. 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. Project Management: Integration Management. Scope Management. Cost Management. Quality Management. Human Resource Management. Communications Management. Risk Management. Procurement Management. Management Tools. 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)	1. Guide to the Project Management Body of Knowledge (PMBOK® Guide), 6 th Edition, Project Management Institute, 2017, ISBN-10: 1628251840.
Reference Material	1. Teresa Luckey, Joseph Phillips, Software Project Management for Dummies, 1st Edition, For Dummies Publisher, 2006, ISBN 0471749346.