Course Title	**Project Management**		
Course Code	**CSI-331**		
Credit Hours	3 (3,0)		
Category	Interdisciplinary / Allied Courses		
Prerequisite	None		
Co-Requisite	None		
Follow Up	None		
Course Introduction	This course provides a comprehensive introduction to the principles, practices, and tools used in managing software development projects. It covers the full project management lifecycle, including project initiation, planning, execution, monitoring, and closure, with a focus on software-specific challenges. Students will learn key concepts such as project scope definition, scheduling, cost estimation, risk management, quality assurance, and resource allocation. The course also emphasizes the use of modern project management tools and techniques, along with the preparation and use of essential project documentation such as project plans, schedules, and progress reports. Through case studies and practical exercises, students will develop the ability to manage software projects effectively in team-based environments while adhering to professional standards. This course equips students with the managerial and organizational skills required to successfully deliver software projects in real-world settings.		
Course Learning Outcomes	At the end of the course, the students will be able to:	**BT**	**PLO**
	CLO1: Describe Project, Project Management	C1 (Describe)	1,2
	CLO2: Apply the project management tools and techniques	C3 (Apply)	4,5
	CLO3: Learn to document project management documents and the usage of these documents in project activities	C3 (Apply)	4,7
	CLO4: Discuss key principles and common methods for software project management such as scheduling, size estimation, cost estimation, and risk analysis	C2 (Discuss)	3,10
Text Book(s)	A. Guide to the Project Management Body of Knowledge 6th Edition		
Reference Material	1. Essentials of Software Project Management by Richard Bechtold 2. Integrated Approach to Software Engineering by Punkaj Jalote		

Weekly Lesson Plan

Week No.	Course Content	Assignments/Readings
Week 1	Introduction: What is a Project? What is Project Management? The Project Life Cycle, Project Stakeholders, Organizational Influences, Project Management Process Groups, Project Management Knowledge Groups (brief description) Portfolio, Program, and Project Management. Project Management vs Operations Management, Organizational Influence and Project Life Cycle	Book A: 1.2
Week 2	Business Case, Project Selection Methods (Cost-Benefit Analysis, Pay Back Period, Return On Investment)	Reading notes Assignment 1, Quiz 1
Week 3	Project Selection Methods continued (Net Present Value, Internal Rate of Return)	Reading notes

	Develop Project Charter	
Week 4	Develop Project Management Plan Direct and Manage Project Work	Book A: 4.2 Assignment 2, Quiz 2
Week 5	Monitor and Control Project Work Integrated Change Control, Close Project	Book A: 4.3
Week 6	Scope Planning, Collect Requirements Define Scope, Create WBS	Book A: 5.1 Assignment 3, Quiz 3
Week 7	Validate Scope , Control Scope	Book A:5.1
Week 8	Plan Schedule management, Activity Definition, Activity Sequencing	Book A: 6.1, 6.2 Quiz 4
Week 9	Activity Resource Estimating, Activity Duration Estimating, schedule development	Book A: 6.3 Assignment 4
Week 10	Schedule Control, Plan Cost Management, Cost Estimating	Book A: 7.1, 7.2
Week 11	Cost Budgeting, Cost Control	Book A:7.3, 7.4 Assignment 5, Quiz 5
Week 12	Quality Planning	Book A: 8.1
Week 13	Perform Quality Assurance, Perform Quality Control, Human Resource Planning, Acquire Project Team	Book A: 8.2, 8.3 Assignment 6, Quiz 6
Week 14	Develop Project Team, Manage Project Team, Communications Planning, Manage Communication	Book A: 9.4, 9.6, 10
Week 15	Risk Management Planning, Risk Identification, Qualitative Risk Analysis Quantitative Risk Analysis, Risk Response Planning, Risk Monitoring and Control	Book A:11 Assignment 7, Quiz7
Week 16	Project Procurement Management	Book A:12