COURSE DETAILS

Course Title	Software Development Life Cycle			
Course Code	SET214		**Credit Hours**	3+0
Faculty	Engineering and Technology			
Department	Engineering Technology			
Semester	III	**Domain / Knowledge Area**	Foundation	

Course Outline

This course aims to give an overview of the software development lifecycle. Introduction to software development lifecycle, software processes: software process models, process activities, software change management. The course will have a focus on software development methodologies, including, Agile process models, Agile development techniques, Requirements engineering process, model driven software engineering, Software architecture and design, Software testing, Software evolution, Software Process improvement.

Course Learning Outcomes (CLOs)

CLO No.	CLO Description	Domain and Taxonomy level	PLO mapped (i to xii)
1	Describe the processes related to the software development lifecycle.	C2	i
2	Identify various Agile process models.	C3	i
3	Evaluate different software process models (e.g., Waterfall, Agile, Scrum) and their suitability for various project scenarios.	C3	ii

Recommended Books

1. Modern Software Engineering: An Engineering Discipline for Software in the Age of Agile Development and Continuous Delivery: Doing What Works to Build Better Software Faster, David Farley, Addison Wesley Professional, 2022
2. Software Engineering, 10h Edition by Ian Sommerville
3. Software Engineering: A Practitioner's Approach, 9th Edition by Roger Pressman and Bruce Maxim