	Parul University			
	Parul University			
	Faculty of Engineering and Technology			
	Parul Institute of Engineering and Technology			
	Computer Science Engineering(AI&DS) Department			
Subject Name	Software Eng.	**A.Y**	2025-26	
Subject Code	303105253	**Semester**	IV	

Assignment-1

Sr No	Question	COs	B.T	Competence
1	Define software engineering.	CO1	Remember	Define key concepts
2	What are the main characteristics of good software?	CO1	Understand	Identify characteristics
3	List any two advantages of the Incremental Process Model.	CO2	Understand	Explain advantages
4	What is agility in Agile Development?	CO2	Understand	Describe concepts
5	Define the W5HH principle in software project management.	CO2	Remember	Recall principles
6	Explain the key components of a software process.	CO3	Apply	Explain components
7	Compare the Waterfall model and Incremental model.	CO3	Analyze	Compare models
8	What are the main activities involved in Extreme Programming (XP)?	CO3	Understand	Describe activities
9	Describe the importance of team management in software project management.	CO4	Evaluate	Justify importance
10	What factors affect software effort estimation?	CO4	Analyze	Identify factors
11	Explain in detail the Spiral Model with its advantages and disadvantages.	CO5	Analyze	Explain model in detail
12	Discuss the various layers of software engineering and their significance.	CO5	Understand	Describe layers
13	Describe the Agile Process Model. How does it differ from traditional process models?	CO5	Analyze	Differentiate process models
14	Explain the Management Spectrum (People, Product, Process, Project) in software project management.	CO6	Evaluate	Explain management spectrum
15	Discuss the steps involved in planning a software project — include scope, feasibility, scheduling, and staffing.	CO6	Apply	Describe planning steps