




**Ahmedabad
University**



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Course	CSE300 Software Engineering	Semester	Monsoon Semester 2024	
Faculty Name(s)	Shefali Naik	Contact	shefali.naik@ahduni.edu.in	
School	SEAS	Credits	3	
GER Category:	Not Applicable	Teaching Pedagogy Enable:NO	P/NP Course: Can not be taken as P/NP	
Schedule	Section 1	11:00 am to 12:30 pm	Mon	01-08-24 to 26-11-24
		11:00 am to 12:30 pm	Wed	01-08-24 to 26-11-24
Prerequisite	CSE101 Object Oriented Programming Lab/CSE108 Object Oriented Programming Lab			
Antirequisite	Not Applicable			
Corequisite	Not Applicable			
Course Description	<p>This course introduces the fundamental principles and practices of software engineering. Students will gain an understanding of the software development life cycle, software design principles, testing methodologies, and project management techniques. They will also learn how to apply these concepts to the development of real-world software applications.</p>			

Course Objectives	<p>The course objectives are</p> <ul style="list-style-type: none"> • To understand the key concepts and principles of software engineering. • To apply software engineering methodologies to the development of software applications. • To design and implement software systems that are reliable, maintainable, and scalable. • To understand the importance of testing and quality assurance in software development.
Learning Outcomes	<p>Upon successful completion of the course, the student will be able to</p> <ul style="list-style-type: none"> • Apply the phases of the software development lifecycle in software development. • Apply software engineering principles to analyze, design, develop, and implement software applications. • Prepare test plans and evaluate the developed software applications.
Pedagogy	NA
Expectation From Students	
Assessment/Evaluation	<ul style="list-style-type: none"> • Mid-Semester Examination: <ul style="list-style-type: none"> ◦ Online Theory Exam - 30% • End Semester Examination: <ul style="list-style-type: none"> ◦ Theory Examination - 40% • Other Components: <ul style="list-style-type: none"> ◦ Class Tests - 10% ◦ Project - 20%
Attendance Policy	As per Ahmedabad University Policy.
Project / Assignment Details	A project on Software development where student will carry out the activities related to the defining problem definition, requirements gathering, analysis and then design of database / screens / menu structure.

Course Material	<p>Text Book(s)</p> <ul style="list-style-type: none">• Software Engineering – A Practitioner’s Approach, Roger Pressman, 6th Edition, McGraw Hill, <p>Reference Book</p> <ul style="list-style-type: none">• Software Engineering, Sommerville, 9th Edition, Pearson,• Software Engineering – Principles and Practices, W S Jawadekar, TMGH Publication,
Additional Information	

Session Plan

NO.	TOPIC TITLE	TOPIC & SUBTOPIC DETAILS	READINGS,CASES,ETC.	ACTIVITIES	IMPORTANT DATES
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