Course Code	CSE 234		
Course Name	Computer Architecture and Operating Systems		
Credits	4		
Course Offered to	UG-CSAM, CSSS-2nd year core		
	The overall objective of this course is to provide		
	basic computer organization, systems software computer science, both hardware and software		s the basis for more advanced topics in
	computer science, both hardware and software	•	
Course Description			
	Pre-requ	isites	
Pre-requisite (Mandatory)	Pre-requisite (Desirable) Pre-requisite(other)		
Programming			
*Please insert more rows if required	1		
	Post Conditions*(For suggestions on v	erbs please refer the second she	eet)
CO1	CO2	CO3	C04
analyse a computer system,	Build basic systems software	Code Algorithms of OS	Develop awareness of security issue
	Weekly Lect	ture Plan	
Week Number	Lecture Topic	COs Met	Assignment/Labs/Tutorial
1	Number and character representation	CO1, CO2	
	1's and 2's complement, basic computer		
2	organization	CO2	Representation,implement algorith
3	computer operation, assembly language	CO1, CO2	1's, 2's complement
4	Assemblers, linkers, loaders	CO2	Assembler Project
5	Control Unit and memory structure	CO1	
6	IO and Interrupts	CO1	Mapping logic
7	OS structure and Process management	CO3	Buses
	Inter process communication and process		
8	scheduling	CO3	
9	Memory management	CO3	process scheduling
10	File systems	CO3	memory management algos
11	Deadlocks	CO1	file systems
12	Security	CO4	deadlocks
13	Wrap up		
	Assessme	ent Plan	
Type of Evaluation	% Contribution in Grade		
Attendance	5		
Quizzes	15		
Assignment			
Duele et	-		
Project	20		l

Mid-sem	25		
End-sem	25		
*Please insert more row for other type of Evaluation			
Resource Material			
Туре	Title		
Textbook	Computer Systems Organization		
	Modern Operating Systems		