

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (Established by Govt. of A.P., ACT No.30 of 2008) ANANTHAPURAMU - 515 002 (A.P) INDIA

MASTER OF COMPUTER APPLICATIONS Course Code OPERATING SYSTEMS LABORATORY L T P					
21F05206	OI DIGITAL OF OFFICE MADORITORI	0	0	4	<u>C</u>
2112-0200	Semester	II			
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Course Objecti					
	rstand the functionalities of various layers of OSI model				
To explaand files	in the difference between hardware, software; operating system	s, pro	ogran	ns	
	the purpose of different software applications.				
Course Outcom					
	e and implement operating system concepts such as schedul	ling,	dead	lock	
	ment, file management and memory management.	<i>U</i> ,			
_	implement C programs using Unix system calls				
List of Experim					
	te the following CPU scheduling algorithms.				
a) FCFS b) SJF	c) Round Robin d) Priority.				
	C program to simulate producer-consumer problem using				
Semaphores	C program to simulate the oncept of Dining-philosophers prob	Jam			
	te MVT and MFT.	16111.			
	C program to simulate the following contiguous memory allocated the foll	ation			
Techniques					
	est fit c) First fit.				
	te all page replacement algorithms				
a)FIFO b) LRU Week 7: Simula	te all File Organization Techniques				
	irectory b) Two level directory				
	te all file allocation strategies				
	Indexed c) Linked.				
	te Bankers Algorithm for Dead Lock Avoidance				
	ate Bankers Algorithm for Dead Lock Prevention. a C program to simulate disk scheduling algorithms				
a) FCFS b) SCA	N) G GGIN				
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	AN c) C-SCAN			`	