

ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
LECTURE SCHEDULE

SUBJECT: OPERATING SYSTEMS
NAME: A.V.S.SUDHAKAR RAO
No. of Lectures per week: 5+1* (Tutorial)

ACADEMIC YEAR: 2018-19
YEAR & SEM: III - I CSE 'A'

S.No.	Date	Unit No.	Topic to be covered
1	11-06-2018	I	Introduction to Operating System Concept
2	12-06-2018		Types of operating systems
3	13-06-2018		operating systems concepts
4	14-06-2018		operating systems concepts
5	18-06-2018		operating systems services
6	19-06-2018		Introduction to System call
7	20-06-2018		System call types
8	21-06-2018		Operating System Structures
9	23-06-2018		Tutorial
10	23-06-2018		Unit Test -1
11	25-06-2018	II	Process Management – Process concept, the process, Process
12	26-06-2018		Process State Diagram, Process control block,
13	27-06-2018		, Process Scheduling- Scheduling Queues
14	28-06-2018		Schedulers
15	30-06-2018		Operations on Processes
16	30-06-2018		Tutorial
17	02-07-2018		Inter process communication
18	03-07-2018		Threading Issues
19	04-07-2018		Scheduling-Basic Concepts
20	05-07-2018		Scheduling Criteria
21	07-07-2018		Scheduling Algorithms
22	07-07-2018		Tutorial
23	09-07-2018		Unit TEST-2
24	10-07-2018	III	Memory Management: Swapping
25	11-07-2018		Contiguous Memory Allocation
26	12-07-2018		Paging
27	14-07-2018		structure of the Page Table
28	14-07-2018		Tutorial
29	16-07-2018		Segmentation
30	17-07-2018		Virtual Memory Management: Virtual Memory
31	18-07-2018		Demand Paging
32	19-07-2018		Page-Replacement Algorithms
33	21-07-2018		Page-Replacement Algorithms
34	21-07-2018		Tutorial
35	23-07-2018		Thrashing.
36	24-07-2018	IV	Concurrency: Process Synchronization
37	25-07-2018		The Critical- Section Problem
38	26-07-2018		Synchronization Hardware
39	28-07-2018		Semaphores
40	28-07-2018		Tutorial
41	30-07-2018		Classic Problems of Synchronization
42	31-07-2018		Monitors
43	01-08-2018		Synchronization examples
44	02-08-2018		Principles of deadlock –System Model
45	04-08-2018		Deadlock Characterization
46	04-08-2018		Tutorial

47	06-08-2018		Revision
48	07-08-2018		Revision
49	08-08-2018		Revision
50	09-08-2018		Revision
51	11-08-2018		Revision
52	11-08-2018		Tutorial
53	13-08-2018		Deadlock Prevention
54	14-08-2018		Detection and Avoidance
55	16-08-2018		Recovery form Deadlock
56	18-08-2018		Tutorial
57	18-08-2018		Unit Test- 4
58	20-08-2018	V	File system Interface- the concept of a file
59	21-08-2018		Access Methods
60	23-08-2018		Directory structure
61	25-08-2018		File system mounting
62	25-08-2018		Tutorial
63	27-08-2018		file sharing, protection
64	28-08-2018		File System implementation- File system structure
65	29-08-2018		allocation Methods
66	30-08-2018		free-space management
67	04-09-2018		Mass-storage structure overview of Mass-storage structure
68	05-09-2018		Disk scheduling, Device drivers.
69	06-09-2018		Unit Test - 5
70	08-09-2018		VI
71	08-09-2018	Tutorial	
72	10-09-2018	Inter process Communication	
73	11-09-2018	Synchronization	
74	12-09-2018	Interrupt	
75	15-09-2018	Exception and System Call	
76	15-09-2018	Tutorial	
77	17-09-2018	Android Software Platform: Android Architecture	
78	18-09-2018	Operating System Services	
79	19-09-2018	Android Runtime Application Development	
80	20-09-2018	Application Structure	
81	22-09-2018	Application Process management.	
82	22-09-2018	Tutorial	
83	24-09-2018	Revision	
84	25-09-2018	Revision	
85	26-09-2018	Revision	
86	27-09-2018	Revision	
87	29-09-2018	Revision	
88	29-09-2018	Tutorial	
89	01-10-2018	Revision	
90	03-10-2018	Revision	
91	04-10-2018	Revision	
92	06-10-2018	Revision	
93	06-10-2018	Tutorial	
94	08-10-2018	Revision	
95	09-10-2018	Revision	
96	10-10-2018	Revision	
97	11-10-2018	Tutorial	
98	13-10-2018	Revision	
99	13-10-2018	Tutorial	

TEXT BOOKS :

1. Operating System Concepts- Abraham Silberchatz, Peter B. Galvin, Greg Gagne 7th Edition, John Wiley.
2. Operating systems- A Concept based Approach-D.M.Dhamdhere, 2nd Edition, TMH

REFERENCES :

1. Operating Systems' – Internal and Design Principles Stallings, Fifth Edition–2005, Pearson education/PHI
2. Operating System A Design Approach-Crowley, TMH.
3. Modern Operating Systems, Andrew S Tanenbaum 2nd edition Pearson/PHI.

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