

**ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY:
CHIRALA DEPARTMENT OF COMPUTERSCIENCE &
ENGINEERING LECTURE SCHEDULE**

SUBJECT: OPERATING SYSTEMS

ACADEMIC YEAR: 2017-18

NAME: A.V.S.SUDHAKARA RAO

YEAR & SEM: III - I CSE 'A'

No. of Lectures per week: 4+2* (Tutorial)

S.No.	Date	Unit No.	Topic to be covered
1	13-06-2017	I	Computer System and Operating System Overview: Overview of computer operating systems.
2	14-06-2017		Overview of computer operating systems
3	15-06-2017		operating systems functions
4	16-06-2017		protection and security, distributed systems
5	16-06-2017		special purpose systems
6	17-06-2017		Operating systems structures
7	20-06-2017		systems calls
8	21-06-2017		systems calls
9	22-06-2017		operating systems generation
10	23-06-2017		Tutorial
11	23-06-2017		Tutorial
12	24-06-2017		operating systems generation
13	27-06-2017		operating systems generation
14	28-06-2017		Revision with PPT/NPTL
15	29-06-2017		Test
16	30-06-2017		Tutorial
17	30-06-2017		Tutorial
18	01-07-2017	II	Process Concepts process sched
19	04-07-2017		Tutorial
20	04-07-2017		Tutorial
21	05-07-2017		Operations
22	06-07-2017		Inter process communication
23	07-07-2017		Multi Thread programming models
24	11-07-2017		Tutorial
25	11-07-2017		Tutorial
26	12-07-2017		Process scheduling criteria and algorithms
27	13-07-2017		Algorithms
28	14-07-2017		Algorithm evaluation
29	15-07-2017		Algorithm evaluation
30	18-07-2017		Tutorial
31	18-07-2017		Tutorial
32	19-07-2017		Revision with PPT/NPTL
33	20-07-2017	TEST	
34	21-07-2017	III	Concurrency: Process synchronization
35	22-07-2017		the critical-section problem
36	25-07-2017		Tutorial
37	25-07-2017		Tutorial
38	26-07-2017		Peterson's Solution
39	27-07-2017		synchronization Hardware
40	28-07-2017		Semaphores
41	29-07-2017		classic problems of synchronization
42	01-08-2017		Tutorial

43	01-08-2017		Tutorial
44	02-08-2017		classic problems of synchronization
45	03-08-2017		Monitors
46	04-08-2017		Synchronization examples
47	05-08-2017		Revision
48	08-08-2017		Revision
49	08-08-2017		Revision
50	09-08-2017		Revision
51	10-08-2017		Revision
52	11-08-2017		Revision
53	12-08-2017	IV	Memory Management : Swapping
54	16-08-2017		contiguous memory allocation
55	17-08-2017		Paging, structure of the page table
56	18-08-2017		Segmentation
57	19-08-2017		Virtual Memory Management: Introduction, demand paging
58	22-08-2017		Tutorial
59	22-08-2017		Tutorial
60	23-08-2017		page-Replacement algorithms
61	24-08-2017		Allocation of Frames, Thrashing
62	29-08-2017		Tutorial
63	29-08-2017		Tutorial
64	30-08-2017		Revision with PPT/NPTL
65	31-08-2017		Test
66	01-09-2017		V
67	05-09-2017	Tutorial	
68	05-09-2017	Tutorial	
69	06-09-2017	deadlock prevention	
70	07-09-2017	detection and avoidance	
71	08-09-2017	detection and avoidance	
72	09-09-2017	recovery form deadlock	
73	12-09-2017	Tutorial	
74	12-09-2017	Tutorial	
75	13-09-2017	recovery form deadlock	
76	14-09-2017	Revision with PPT/NPTL	
77	15-09-2017	Test	
78	16-09-2017	VI	File system Interface- the concept of a file
79	19-09-2017		Tutorial
80	19-09-2017		Tutorial
81	20-09-2017		Access Methods, Directory structure
82	21-09-2017		File system mounting
83	22-09-2017		file sharing, protection
84	23-09-2017		File System implementation- File system structure
85	26-09-2017		Tutorial
86	26-09-2017		Tutorial
87	27-09-2017		allocation methods, free-space management
88	03-10-2017		Tutorial
89	03-10-2017		Tutorial
90	04-10-2017		Mass-storage structure overview of Mass-storage structure
91	05-10-2017		Disk structure, disk attachment
92	06-10-2017		disk scheduling, swap-space management
93	07-10-2017		Revision
94	10-10-2017		Revision

95	10-10-2017		Revision
96	11-10-2017		Revision
97	12-10-2017		Revision
98	13-10-2017		Revision
99	14-10-2017		Revision

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

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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