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

SUBJECT: OPERATING SYSTEMS **ACADEMIC YEAR: 2017-18**
NAME: P.VENKATA NARAYANA **YEAR &SEM: III - I CSE 'B'**
No. of Lectures per week: 4+2* (Tutorial)

S.No.	Date	Unit No.	Topic to be covered
1	12-06-2017		**Computer System and Operating System Overview:** Overview of computer operating systems.
2	13-06-2017		Overview of computer operating systems
3	14-06-2017		operating systems functions
4	15-06-2017		protection and security, distributed systems
5	16-06-2017		special purpose systems
6	17-06-2017		Operating systems structures
7	20-06-2017		Tutorial
8	20-06-2017	**I**	Tutorial
9	21-06-2017		systems calls
10	22-06-2017		systems calls
11	23-06-2017		operating systems generation
12	24-06-2017		operating systems generation
13	27-06-2017		Tutorial
14	27-06-2017		Tutorial
15	28-06-2017		Revision with PPT/NPTL
16	29-06-2017		Test
17	30-06-2017		**Process concept**
18	01-07-2017		process scheduling
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	**II**	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		**Concurrency:** Process synchronization
35	22-07-2017		the critical-section problem
36	25-07-2017		Tutorial
37	25-07-2017	**III**	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		**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	**IV**	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		**Principles of deadlock** -system model deadlock characterization
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	**V**	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		**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	**VI**	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

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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