

St. Ann's College of Engineering & Technology::Chirala
Department of Computer Science and Engineering
LECTURE SCHEDULE

Subject : DISTRIBUTED SYSTEMS

Class : IV -II CSE-B

ACADEMIC YEAR :2019-20

Semester : II

Faculty : M.BABU RAO

S. No.	Date	Unit	Topic
1	18-11-19	I	Characterization of Distributed systems: Introduction
2	19-11-19		Examples of Distributed Systems
3	20-11-19		Resource Sharing and the Web and Challenges
4	22-11-19		System Models: Introduction,
5	25-11-19		Architectural Models- Software Layers, System Architecture
6	25-11-19		TUTORIAL
7	26-11-19		Variations, Interface and Objects,
8	27-11-19		Design Requirements for Distributed Architectures
9	29-11-19		Fundamental Models- Interaction Model
10	2/12/2019		Failure Model, Security Model
11	3/12/2019		NPTL VEDIOS /PPTS
12	15-12-17		UNIT-1 SLIP TEST
13	4/12/2019	II	Inter process Communications: Introduction.The API for the Internet Protocols,Characteristics of IPC
14	6/12/2019		Sockets, UDP Datagram Comm.,TCP Stream communication
15	9/12/2019		TUTORIAL
16	9/12/2019		External Data Representation and marshalling
17	10/12/2019		Client server communication, Group communication
18	11/12/2019		Client server communication, Group communication
19	13-12-19		IP Multicast- an implementation of Group communication
20	13-12-19		Reliability and Ordering of Multi cast
21	13-12-19		TUTORIAL
22	16-12-19		NPTL VEDIOS /PPTS
23	17-12-19		UNIT-II SLIP TEST
24	18-12-19	III	Distributed Objects and Remote Invocation: Introduction
25	20-12-19		Communication between Distributed Objects- Object Model
26	20-12-19		TUTORIAL
27	23-12-19		Distributed Object Modal,Design Issues for RMI
28	27-12-19		Implementation of RMI.
29	30-12-19		Distributed Garbage Collectio
30	31-12-19		Remote Procedure Call

31	1/1/2020		TUTORIAL	
32	1/1/2020		Events and Notifications	
33	3/1/2020		Case Study: JAVA RMI	
34	6/1/2020		Revesion	
35	7/1/2020		Revesion	
36	8/1/2020		Revesion	
37	10/1/2020		Revesion	
38	13-1-20		Subjective Test	
39	14-0-20		Subjective Test	
40	20-1-20		Subjective Test	
41	21-1-20		Subjective Test	
42	22-1-20	IV	Operation system Support: Introduction	
43	24-1-20		The Operating System Layer,	
44	27-1-20		Protection	
45	28-1-20		Process and Threads –Address Space	
46	22-01-18		TUTORIAL	
47	22-01-18		Creation of a New Process	
48	23-01-18		Process and Threads –Address Space	
49	25-01-18		NPTL VEDIOS /PPTS	
50	27-01-18		UNIT-II SLIP TEST	
51	28-1-20		V	Distributed file Systems: Introduction
52	29-1-20	File service Architecture		
53	31-1-20	PEER- to-PEER Systems		
54	3/2/2020	TUTORIAL		
55	3/2/2020	Peer-to-Peer Systems: Introduction		
56	4/2/2020	Napster and its Legacy		
57	5/2/2020	Middle ware Routing Overlays		
58	7/2/2020	Overlay case studies: Pastry		
59	10/2/2020	TUTORIAL		
60	10/2/2020	Coordination and Agreement: Introduction,		
61	11/2/2020	Distributed Mutual Exclusion		
62	12/2/2020	Elections		
63	14-2-20	Multicast Communication		
64	17-2-20	TUTORIAL		
65	17-2-20	NPTL VEDIOS /PPTS		
66	18-2-20	SLIP TEST –IV		
67	19-2-20	VI		Transactions & Replications: Introduction
68	21-2-20			TUTORIAL
69	21-2-20		System Model and Group Communication	

70	25-2-20		Concurrency Control in Distributed Transactions
71	26-2-20		Distributed Dead Locks
72	28-2-20		Transaction Recovery
73	12/3/2018		Replication-Introduction, Passive (Primary) Replication
74	2/3/2020		TUTORIAL
75	2/3/2020		Active Replication
76	3/3/2020		Revision
77	4/3/2020		Revision
78	6/3/2020		Revision
79	10/3/2020		Revision
80	11/3/2020		Revision
81	13-3-20		Revision
82	16-3-20		Revision
83	17-3-20		Revision
84	18-3-20		Revision
85	20-3-20		Revision
86	23-3-20		Subjective Test
87	24-3-20		Subjective Test
88	25-3-20		Subjective Test
89	27-3-20		Subjective Test

Text Books

1. Ajay D Kshemaklyani, Mukesh signal, "distributed Computing, Principles, Algorithms & Systems", Cambridge
2. George Colouries, Jean Dollimore, Tim Kindberg, "Distributed Systems Concepts and Design", Fourth Edition, Pearson Publications

Faculty

HOD