St. Ann's College of Engineering & Technology::Chirala

Department of Computer Science and Engineering

LECTURE SCHEDULE

Subject : DISTRIBUTED SYSTEMS **Class : IV -II CSE-C**

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	26-11-19		Variations, Interface and Objects,
7	27-11-19		Design Requirements for Distributed Architectures
8	29-11-19		TUTORIAL
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		External Data Representation and marshalling
16	10/12/2019		Client server communication, Group communication
17	11/12/2019		Client server communication, Group communication
18	13-12-19		IP Multicast- an implementation of Group communication
19	13-12-19		TUTORIAL
20	13-12-19		Reliability and Ordering of Multi cast
21	16-12-19		**NPTL VEDIOS /PPTS**
22	17-12-19		**UNIT-1I SLIP TEST**
23	18-12-19	III	**Distributed Objects and Remote Invocation:** Introduction
24	20-12-19		Communication between Distributed Objects- Object Model
25	20-12-19		TUTORIAL
26	23-12-19		Distributed Object Modal,Design Issues for RMI
27	27-12-19		TUTORIAL
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		TUTORIAL
44	24-1-20		The Operating System Layer,
45	27-1-20		Protection
46	28-1-20		Process and Threads –Address Space
47	22-01-18		TUTORIAL
48	22-01-18		Creation of a New Process
49	23-01-18		Process and Threads –Address Space
50	25-01-18		**NPTL VEDIOS /PPTS**
51	27-01-18		**UNIT-1I SLIP TEST**
52	28-1-20	**V**	**Distributed file Systems:** Introduction
53	29-1-20		File service Architecture
54	31-1-20		PEER- to-PEER Systems
55	31-1-20		TUTORIAL
56	3/2/2020		Peer-to-Peer Systems: Introduction
57	4/2/2020		Napster and its Legacy
58	5/2/2020		Middle ware Routing Overlays
59	7/2/2020		Overlay case studies: Pastry
60	10/2/2020		TUTORIAL
61	10/2/2020		**Coordination and Agreement:** Introduction,
62	11/2/2020		Distributed Mutual Exclusion
63	12/2/2020		Elections
64	14-2-20		Multicast Communication
65	17-2-20		TUTORIAL
66	17-2-20		**NPTL VEDIOS /PPTS**
67	18-2-20		**SLIP TEST –IV**
68	19-2-20	**VI**	**Transactions & Replications:** Introduction
69	21-2-20		TUTORIAL

70	21-2-20		System Model and Group Communication
71	25-2-20		Concurrency Control in Distributed Transactions
72	26-2-20		Distributed Dead Locks
73	28-2-20		Transaction Recovery
74	12/3/2018		Replication-Introduction, Passive (Primary) Replication
75	2/3/2020		TUTORIAL
76	2/3/2020		Active Replication
77	3/3/2020		Revision
78	4/3/2020		Revision
79	6/3/2020		Revision
80	10/3/2020		Revision
81	11/3/2020		Revision
82	13-3-20		Revision
83	16-3-20		Revision
84	17-3-20		Revision
85	18-3-20		Revision
86	20-3-20		Revision
87	23-3-20		**Subjective Test**
88	24-3-20		**Subjective Test**
89	25-3-20		**Subjective Test**
90	27-3-20		**Subjective Test**

Text Books

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

Faculty **HOD**