

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

Subject : DISTRIBUTED SYSTEMS
ACADEMIC YEAR :2017-18
Faculty : D.NAGESH BABU

Class : IV -II CSE-B
Semester : II

S. No.	Date	Unit	Topic	
1	27-11-17	I	Characterization of Distributed systems: Introduction	
2	28-11-17		Examples of Distributed Systems	
3	29-11-17		Resource Sharing and the Web	
4	30-11-17		Challenges	
5	04-12-17		System Models: Introduction,	
6	05-12-17		Architectural Models- Software Layers, System Architecture	
7	06-12-17		Variations, Interface and Objects,	
8	07-12-17		Design Requirements for Distributed Architectures	
9	08-12-17		Fundamental Models- Interaction Model	
10	11-12-17		Failure Model, Security Model	
11	12-12-17		UNIT-1 SLIP TEST	
12	13-12-17	II	Inter process Communications: Introduction	
13	14-12-17		The API for the Internet Protocols, Characteristics of IPC	
14	15-12-17		TUTORIAL	
15	18-12-17		Sockets, UDP Datagram Comm., TCP Stream communication	
16	19-12-17		External Data Representation and marshalling	
17	20-12-17		Client server communication, Group communication	
18	21-12-17		IP Multicast- an implementation of Group communication	
19	22-12-17		TUTORIAL	
20	26-12-17		Reliability and Ordering of Multi cast	
21	27-12-17		SLIP TEST -II	
22	28-12-17		TUTORIAL	
23	29-12-17	III	Distributed Objects and Remote Invocation: Introduction	
24	01-01-18		Communication between Distributed Objects- Object Model	
25	02-01-18		Distributed Object Modal	
26	03-01-18		Design Issues for RMI, Implementation of RMI	
27	04-01-18		Distributed Garbage Collection	
28	05-01-18		TUTORIAL	
29	08-01-18		Remote Procedure Call	
30	09-01-18		Events and Notifications	
31	10-01-18		Case Study: JAVA RMI	
32	11-01-18		IV	Operation system Support: Introduction
33	12-01-18			TUTORIAL
34	17-01-18	The Operating System Layer,		
35	18-01-18	Protection		
36	19-01-18	TUTORIAL		
37	22-01-18	Revision for old question papers or subjective test		
38	23-01-18	Revision for old question papers or subjective test		
39	24-01-18	Revision for old question papers or subjective test		
40	25-01-18	Revision for old question papers or subjective test		
41	29-01-18	Process and Threads –Address Space		
42	30-01-18	Creation of a New Process		
43	31-01-18	Threads		
44	01-02-18	SLIP TEST -III		
45	02-02-18	TUTORIAL		

46	05-02-18	V	Distributed file Systems: Introduction
47	06-02-18		File service Architecture
48	07-02-18		PEER- to-PEER Systems
49	08-02-18		Peer-to-Peer Systems: Introduction
50	09-02-18		TUTORIAL
51	14-02-18		Napster and its Legacy
52	15-02-18		Middle ware Routing Overlays
53	16-02-18		TUTORIAL
54	19-02-18		Overlay case studies: Pastry
55	20-02-18		Coordination and Agreement: Introduction,
56	21-02-18		Distributed Mutual Exclusion
57	22-02-18		Distributed Mutual Exclusion
58	23-02-18		TUTORIAL
59	26-02-18		Elections
60	27-02-18		Multicast Communication
61	28-02-18		SLIP TEST -IV
62	01-03-18	VI	Transactions & Replications: Introduction
63	05-03-18		System Model and Group Communication
64	06-03-18		Concurrency Control in Distributed Transactions
65	07-03-18		Distributed Dead Locks
66	08-03-18		Transaction Recovery
67	09-03-18		TUTORIAL
68	12-03-18		Replication-Introduction, Passive (Primary) Replication
69	13-03-18		Active Replication
70	14-03-18		revision
71	15-03-18		revision
72	16-03-18		revision
73	19-03-18		revision
74	20-03-18		revision
75	21-03-18		revision
76	22-03-18		revision
77	23-03-18	revision	
78	26-03-18	Revision for old question papers or subjective test	
79	27-03-18	Revision for old question papers or subjective test	
80	28-03-18	Revision for old question papers or subjective test	
81	29-03-18	Revision for old question papers or 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

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