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

Department of Computer Science and Engineering

LECTURE SCHEDULE

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

ACADEMIC YEAR :2017-18 **Semester : II**

Faculty : M.BABU RAO

S. No.	Date	Unit	Topic
1	27-11-17	I	**Characterization of Distributed systems**: Introduction
2	28-11-17		Examples of Distributed Systems
3	30-11-17		Resource Sharing and the Web
4	04-12-17		Challenges
5	05-12-17		**System Models**: Introduction,
6	07-12-17		Architectural Models- Software Layers, System Architecture
7	08-12-17		Variations, Interface and Objects,
8	11-12-17		Design Requirements for Distributed Architectures
9	12-1217		Fundamental Models- Interaction Model
10	14-12-17		Failure Model, Security Model
11	15-12-17	II	**Inter process Communications: Introduction**
12	16-12-17		**UNIT-1 SLIP TEST**
13	18-12-17		The API for the Internet Protocols,Characteristics of IPC
14	19-12-17		Sockets, UDP Datagram Comm.,TCP Stream communication
15	21-12-17		External Data Representation and marshalling
16	22-12-17		Client server communication, Group communication
17	23-12-17		**TUTORIAL**
18	26-12-17		IP Multicast- an implementation of Group communication
19	28-12-17		Reliability and Ordering of Multi cast
20	29-12-17		**SLIP TEST -II**
21	30-12-17		**TUTORIAL**
22	01-01-18	III	**Distributed Objects and Remote Invocation:** Introduction
23	02-01-18		Communication between Distributed Objects- Object Model
24	04-01-18		Distributed Object Modal
25	05-01-18		Design Issues for RMI, Implementation of RMI
26	06-01-18		**TUTORIAL**
27	06-01-18		Distributed Garbage Collection
28	08-01-18		Remote Procedure Call
29	09-01-18		Events and Notifications
30	11-01-18		Case Study: JAVA RMI
31	12-01-18	IV	**Operation system Support:** Introduction
32	18-01-18		The Operating System Layer,
33	19-01-18		Protection
34	20-01-18		**TUTORIAL**
35	22-01-18		**Revision for old question papers or subjective test**
36	23-01-18		**Revision for old question papers or subjective test**
37	25-01-18		**Revision for old question papers or subjective test**
38	27-01-18		**TUTORIAL**
39	29-01-18		Process and Threads –Address Space
40	30-01-18		Creation of a New Process
41	01-02-18		Threads
42	02-02-18		**SLIP TEST -III**
43	03-02-18		**TUTORIAL**

44	05-02-18	V	**Distributed file Systems:** Introduction
45	06-02-18		File service Architecture
46	08-02-18		PEER- to-PEER Systems
47	09-02-18		Peer-to-Peer Systems: Introduction
48	10-02-18		Napster and its Legacy
49	15-02-18		Middle ware Routing Overlays
50	16-02-18		Overlay case studies: Pastry
51	17-02-18		**TUTORIAL**
52	19-02-18		**Coordination and Agreement:** Introduction,
53	20-02-18		Distributed Mutual Exclusion
54	22-02-18		Distributed Mutual Exclusion
55	23-02-18		Elections
56	24-02-18		**TUTORIAL**
57	26-02-18		Multicast Communication
58	27-02-18		**SLIP TEST -IV**
59	01-03-18	VI	**Transactions & Replications:** Introduction
60	03-03-18		**TUTORIAL**
61	05-03-18		System Model and Group Communication
62	06-03-18		Concurrency Control in Distributed Transactions
63	08-03-18		Distributed Dead Locks
64	09-03-18		Transaction Recovery
65	12-03-18		Replication-Introduction, Passive (Primary) Replication
66	13-03-18		Active Replication
67	15-03-18		revision
68	16-03-18		revision
69	17-03-18		revision
70	19-03-18		revision
71	20-03-18		revision
72	22-03-18		revision
73	23-03-18		revision
74	24-03-18		revision
75	26-03-18		**Revision for old question papers or subjective test**
76	27-03-18		**Revision for old question papers or subjective test**
77	29-03-18		**Revision for old question papers or 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**