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

LECTURE SCHEDULE

SUBJECT: Cloud Computing **ACADEMIC YEAR: 2017-18**
NAME: T.Seshasai **YEAR & SEM/SECTION: IV-II (C)**
No. of Lectures per week: 4+1* (Tutorial)

S. NO	DATE	UNIT	TOPICS
1	27.11.17	I(8)	UNIT I**: Systems modeling, Clustering and virtualization**: Scalable Computing over the Internet
2	28.11.17		Technologies for Network based systems
3	29.11.17		System models for Distributed and Cloud Computing
4	30.11.17		Software environments for distributed systems
5	04.12.17		Software environments for distributed systems and clouds
6	05.12.17		Performance of cloud computing& Security of cloud computing
7	06.12.17		Energy Efficiency of cloud computing
8	07.12.17		**TUTORIAL**
9	08.12.1		Energy Efficiency of cloud computing
10	11.12.17		**CLASS TEST-I**
11	12.12.17	II(8)	**UNIT II: Virtual Machines and Virtualization of Clusters and Data Centers**
12	13.12.17		Implementation Levels of Virtualization
13	14.12.17		**TUTORIAL**
14	15.12.17		Virtualization Structures
15	18.12.17		Tools and mechanisms
16	19.12.17		Virtualization of CPU
17	20.12.17		Memory and I/O Devices, Resource Management
18	21.12.17		**TUTORIAL**
19	22.12.17		Virtual Clusters
20	26.12.17		Virtualization for Data enter Automation
21	27.12.17		**CLASS TEST-II**
22	28.12.17	III(11)	**UNIT-III Cloud Platform Architecture**
23	29.12.17		Cloud Computing and service Models
24	01.01.18		**TUTORIAL**
25	02.01.18		Architectural Design of Compute and Storage Clouds
26	03.01.18		Architectural Design of Compute and Storage Clouds
27	04.01.18		**TUTORIAL**
28	05.01.18		Public Cloud Platforms
29	08.01.18		Inter Cloud Resource Management
30	09.01.18		Cloud Security and Trust Management
31	10.01.18		Service Oriented Architecture
32	11.01.18		TUTORIAL
33	12.01.18		Service Oriented Architecture
34	17.01.18		Message Oriented Middleware
35	18.01.18		TUTORIAL
36	19.01.18		Message Oriented Middleware
37	22.01.18		**MID-I EXAMINATION**
38	23.01.18		**MID-I EXAMINATION**
39	24.01.18		**MID-I EXAMINATION**
40	25.01.18		**MID-I EXAMINATION**

41	29.01.18	IV(8)	**UNIT IV: Cloud Programming and Software Environments:** Features of Cloud and Grid Platforms
42	30.01.18		Parallel Programming Paradigms
43	31.01.18		Parallel and distributed Programming Paradigms
44	01.02.18		**TUTORIAL**
45	02.02.18		Parallel and distributed Programming
46	05.02.18		Paradigms Programming Support of Google App Engine
47	06.02.18		Programming on Amazon AWS
48	07.02.18		Programming on Microsoft Azure
49	08.02.18		**TUTORIAL**
50	09.02.18		Emerging Cloud Software Environments
51	14.02.18		**CLASS TEST-IV**
52	15.02.18	V(9)	**UNIT-V Cloud Resource Management and Scheduling** Policies and Mechanisms for Resource Management Applications
53	16.02.18		Stability of a Two Level Resource Allocation Architecture
54	19.02.18		Feedback Control Based on Dynamic Thresholds
55	20.02.18		Coordination of Specialized Autonomic Performance Managers
56	21.02.18		Resource Bundling& Scheduling Algorithms for Computing Clouds
57	22.02.18		**TUTORIAL**
58	23.02.18		Fair Queuing, Start Time Fair Queuing, Borrowed Virtual Time
59	26.02.18		Coordination of Specialized Autonomic Performance Managers
60	27.02.18		Cloud Scheduling Subject to Deadlines, Scheduling Map Reduce Applications Subject to Deadlines
61	28.02.18		Cloud Scheduling Subject to Deadlines, Scheduling Map Reduce Applications Subject to Deadlines
62	01.03.18		**TUTORIAL**,
63	02.03.18		**CLASS TEST-V**
64	05.03.18	VI(5)	**UNIT VI:** **Storage Systems:** Evolution of storage technology
65	06.03.18		storage models& file systems and database
66	07.03.18		distributed file systems, Mega store,
67	08.03.18		**TUTORIAL**
68	09.03.18		General parallel file systems, Amazon web services(S3)
69	12.03.18		Google file system& Apache Hadoop&Big table
70	13.03.18		REVISION
71	14.03.18		REVISION
72	15.03.18		REVISION
73	16.03.18		REVISION
74	19.03.18		REVISION
75	20.03.18		REVISION
76	21.03.18		REVISION
77	22.03.18		REVISION
78	23.03.18		REVISION
79	26.03.18		**MID-II EXAMINATION**
80	27.03.18		**MID-II EXAMINATION**
81	28.03.18		**MID-II EXAMINATION**
82	29.03.18		**MID-II EXAMINATION**

TEXT BOOKS:

1.Distributed and Cloud Computing, Kai Hwang, Geoffrey C. Fox, Jack J. Dungaree MK Elsevier.
2.Cloud Computing, Theory and Practice, Dan C Marinescu, MK Elsevier.
3.Cloud Computing, A Hands on approach, Arshadeep Bahga, Vijay Madisetti, University Press

REFERNCE BOOK:

1.Cloud Computing, A Practical Approach, Anthony T Velte, Toby J Velte, Robert Elsenpeter, TMH
2.Mastering Cloud Computing, Foundations and Application Programming, Raj Kumar Buyya, Christen vecctiola, S Tammarai selvi, TMH.

FACULTY MEMBER **HEAD OF THE DEPARTMENT**