

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

LECTURE SCHEDULE

SUBJECT: Cloud Computing

ACADEMIC YEAR: 2017-18

NAME: G. Vijaya Kumar

YEAR & SEM/SECTION: IV-II (A)

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	02.12.17		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	08.12.17		Energy Efficiency of cloud computing
9	11.12.17		TUTORIAL
10	12.12.17		CLASS TEST-I
11	13.12.17	II(8)	UNIT II: Virtual Machines and Virtualization of Clusters and Data Centers
12	15.12.17		Implementation Levels of Virtualization
13	16.12.17		Virtualization Structures
14	18.12.17		Tools and mechanisms
15	19.12.17		TUTORIAL
16	20.12.17		Virtualization of CPU
17	22.12.17		Memory and I/O Devices, Resource Management
18	23.12.17		Virtual Clusters
19	26.12.17		TUTORIAL
20	27.12.17		Virtualization for Data enter Automation
21	29.12.17		CLASS TEST-II
22	30.12.17	III(9)	UNIT-III Cloud Platform Architecture
23	01.01.18		Cloud Computing and service Models
24	02.01.18		TUTORIAL
25	03.01.18		Architectural Design of Compute and Storage Clouds

26	05.01.18	III	Architectural Design of Compute and Storage Clouds
27	06.01.18		Public Cloud Platforms
28	08.01.18		Inter Cloud Resource Management
29	09.01.18		TUTORIAL
30	10.01.18		Cloud Security and Trust Management
31	12.01.18		Service Oriented Architecture
32	17.01.18		Message Oriented Middleware
33	19.01.18		REVISION FOR MID I
34	20.01.18		REVISION FOR MID I
35	22.01.18		MID-I EXAMINATION
36	23.01.18		MID-I EXAMINATION
37	24.01.18		MID-I EXAMINATION
38	25.01.18		MID-I EXAMINATION
39	27.01.18		IV(9)
40	29.01.18	Features of Cloud and Grid Platforms	
41	30.01.18	TUTORIAL	
42	02.02.18	Parallel Programming Paradigms	
43	03.02.18	Parallel Programming Paradigms	
44	05.02.18	Parallel & Distributed Programming Paradigms	
45	06.02.18	TUTORIAL	
46	07.02.18	Programming Support of Google App Engine	
47	09.02.18	Programming on Amazon AWS	
48	10.02.18	Programming on Microsoft Azure	
49	14.02.18	Emerging Cloud Software Environments	
50	16.02.18	CLASS TEST-IV	
51	17.02.18	V(9)	UNIT-V Cloud Resource Management and Scheduling
52	19.02.18		Policies and Mechanisms for Resource Management Applications of Control Theory to Task Scheduling on a Cloud
53	20.02.18		TUTORIAL

54	21.02.18	v	Stability of a Two Level Resource Allocation Architecture	
55	23.02.18		Feedback Control Based on Dynamic Thresholds	
56	24.02.18		Coordination of Specialized Autonomic Performance Managers	
57	26.02.18		Resource Bundling& Scheduling Algorithms for Computing Clouds	
58	27.02.18		TUTORIAL	
59	28.02.18		Fair Queuing, Start Time Fair Queuing, Borrowed Virtual Time	
60	03.03.18		Coordination of Specialized Autonomic Performance Managers	
61	05.03.18		Cloud Scheduling Subject to Deadlines, Scheduling Map Reduce Applications Subject to Deadlines	
62	06.03.18		TUTORIAL	
63	07.03.18		CLASS TEST-V	
64	09.03.18		VI(6)	UNIT VI: Storage Systems: Evolution of storage technology
65	12.03.18			storage models& file systems and database
66	13.03.18			TUTORIAL
67	14.03.18	distributed file systems &General parallel file systems		
68	16.03.18	Google file system& Apache Hadoop&Big table		
69	17.03.18	Mega store		
70	19.03.18	Amazon web services(S3)		
71	20.03.18	REVISION FOR MID-II		
72	21.03.18	REVISION FOR MID-II		
73	23.03.18	REVISION FOR MID-II		
74	24.03.18	REVISION FOR MID-II		
75	26.03.18	MID-II EXAMINATION		
76	27.03.18	MID-II EXAMINATION		
77	28.03.18	MID-II EXAMINATION		
78	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 Madiseti, 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

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