

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

LECTURE SCHEDULE

SUBJECT: Cloud Computing

ACADEMIC YEAR: 2017-18

NAME: G. Vijaya Kumar

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

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	02.12.17		Software environments for distributed systems and clouds
6	04.12.17		Performance of cloud computing & Security of cloud computing
7	05.12.17		Energy Efficiency of cloud computing
8	06.12.17		Energy Efficiency of cloud computing
9	07.12.17		TUTORIAL
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	16.12.17		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	23.12.17		Virtual Clusters
20	26.12.17		Virtualization for Data enter Automation
21	27.12.17	CLASS TEST-II	
22	28.12.17	III(9)	UNIT-III Cloud Platform Architecture
23	30.12.17		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	III(9)	Architectural Design of Compute and Storage Clouds	
27	04.01.18		TUTORIAL	
28	06.01.18		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		Message Oriented Middleware	
33	17.01.18		TUTORIAL	
34	18.01.18		REVISION FOR MID I	
35	20.01.18		REVISION FOR MID I	
36	22.01.18		MID-I EXAMINATION	
37	23.01.18		MID-I EXAMINATION	
38	24.01.18		MID-I EXAMINATION	
39	25.01.18		MID-I EXAMINATION	
40	27.01.18		IV(9)	UNIT IV: Cloud Programming and Software Environments: Features of Cloud
41	29.01.18			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	03.02.18	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	Emerging Cloud Software Environments		
50	10.02.18	TUTORIAL		
51	14.02.18	CLASS TEST-IV		
52	15.02.18		UNIT-V Cloud Resource Management and Scheduling Policies and Mechanisms for Resource Management Applications of Control Theory to Task Scheduling on a Cloud	
53	17.02.18		TUTORIAL	

54	19.02.18	V	Stability of a Two Level Resource Allocation Architecture	
55	20.02.18		Feedback Control Based on Dynamic Thresholds	
56	21.02.18		Coordination of Specialized Autonomic Performance Managers	
57	22.02.18		Resource Bundling& Scheduling Algorithms for Computing Clouds	
58	24.02.18		Resource Bundling& Scheduling Algorithms for Computing Clouds	
59	26.02.18		Fair Queuing, Start Time Fair Queuing, Borrowed Virtual Time	
60	27.02.18		Coordination of Specialized Autonomic Performance Managers	
61	28.02.18		Cloud Scheduling Subject to Deadlines, Scheduling Map Reduce Applications Subject to Deadlines	
62	01.03.18		TUTORIAL,	
63	03.03.18		CLASS TEST-V	
64	05.03.18		VI(6)	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 &General parallel file systems
67	08.03.18	TUTORIAL		
68	12.03.18	Google file system& Apache Hadoop&Big table		
69	13.03.18	Mega store		
70	14.03.18	Amazon web services(S3)		
71	15.03.18	REVISION FOR MID-II		
72	17.03.18	REVISION FOR MID-II		
73	19.03.18	REVISION FOR MID-II		
74	20.03.18	REVISION FOR MID-II		
75	21.03.18	REVISION FOR MID-II		
76	22.03.18	REVISION FOR MID-II		
77	24.03.18	REVISION FOR MID-II		
78	26.03.18	REVISION FOR MID-II		
79	27.03.18	MID-II EXAMINATION		
80	28.03.18	MID-II EXAMINATION		
81	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 Tamarai selvi, TMH.

FACULTY MEMBER

HEAD OF THE DEPARTMENT

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