

ST.ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
LECTURE SCHEDULE

NAME OF THE SUBJECT: **CLOUD COMPUTING**

ACADEMIC YEAR: **2019-20**

NAME OF THE FACULTY: **Mr.N. LAKSHMI NARAYANA**

Year &Sem/Section: **IV CSE-I SEM 'C'**

No. of Lectures per week : **4**

S.NO	DATE	TOPICS	UNIT
1	10-Jun-19	UNIT-1 Systems modeling, Clustering and virtualization: Scalable Computing over the Internet,	1
2	12-Jun-19	Technologies for Network based systems,	
3	13-Jun-19	System models for Distributed and Cloud Computing,	
4	14-Jun-19	System models for Distributed and Cloud Computing,	
5	17-Jun-19	Software environments for distributed systems and clouds,	
6	19-Jun-19	Performance, Security And Energy Efficiency.	
7	20-Jun-19	REVISION THROUGH PPT	
8	21-Jun-19	UNIT TEST-1	
9	24-Jun-19	UNIT -2: Virtual Machines and Virtualization of Clusters and Data Centers: Implementation Levels of Virtualization,	2
10	26-Jun-19	Virtualization Structures/ Tools and mechanisms,	
11	27-Jun-19	Virtualization Structures/ Tools and mechanisms,	
12	28-Jun-19	Virtualization of CPU,	
13	1-Jul-19	Memory and I/O Devices,	
14	3-Jul-19	Virtual Clusters and Resource Management,	
15	4-Jul-19	Virtual Clusters and Resource Management,	
16	5-Jul-19	Virtualization for Data Center Automation.	
17	8-Jul-19	Virtualization for Data Center Automation.	
18	10-Jul-19	REVISION THROUGH PPT	
19	11-Jul-19	UNIT TEST-2	
20	12-Jul-19	UNIT -3 Cloud Platform Architecture: Cloud Computing and service Models,	3
21	15-Jul-19	Architectural Design of Compute and Storage Clouds,	
22	17-Jul-19	Public Cloud Platforms,	
23	18-Jul-19	Inter Cloud Resource Management,	
24	19-Jul-19	Cloud Security and Trust Management.	
25	22-Jul-19	Cloud Security and Trust Management.	
26	24-Jul-19	Service Oriented Architecture,	
27	25-Jul-19	Service Oriented Architecture,	
28	26-Jul-19	Message Oriented Middleware.	
29	29-Jul-19	Message Oriented Middleware.	
30	31-Jul-19	Message Oriented Middleware.	
31	1-Aug-19	REVISION THROUGH PPT	
32	2-Aug-19	REVISION THROUGH PPT	
33	5-Aug-19	MID 1	MID 1
34	7-Aug-19	MID 1	
35	8-Aug-19	MID 1	
36	9-Aug-19	MID 1	
37	12-Aug-19	Unit- 4 Cloud Programming and Software Environments: Features of Cloud and Grid Platforms,	4
38	14-Aug-19	Parallel & Distributed Programming Paradigms,	
39	16-Aug-19	Parallel & Distributed Programming Paradigms,	
40	19-Aug-19	Programming Support of Google App Engine	
41	21-Aug-19	Programming Support of Google App Engine	
42	22-Aug-19	Programming on Amazon AWS and Microsoft Azure,	
43	26-Aug-19	Programming on Amazon AWS and Microsoft Azure,	
44	28-Aug-19	Emerging Cloud Software Environments.	
45	29-Aug-19	Emerging Cloud Software Environments.	
46	30-Aug-19	REVISION THROUGH PPT	
47	4-Sep-19	UNIT TEST-4	
48	5-Sep-19	Unit-5 Cloud Resource Management and Scheduling : Policies and Mechanisms for Resource Management	5
49	6-Sep-19	Applications of Control Theory to Task Scheduling on a Cloud,	

50	9-Sep-19	Stability of a Two Level Resource Allocation Architecture,	
51	11-Sep-19	Feedback Control Based on Dynamic Thresholds. Coordination of Specialized Autonomic Performance Managers,	
52	12-Sep-19	Resource Bundling, Scheduling Algorithms for Computing Clouds, Fair Queuing,	
53	13-Sep-19	Start Time Fair Queuing, Borrowed Virtual Time,	
54	16-Sep-19	Cloud Scheduling Subject to Deadlines,	
55	18-Sep-19	Scheduling MapReduce Applications Subject to Deadlines.	
56	19-Sep-19	REVISION THROUGH PPT	
57	20-Sep-19	UNIT TEST-5	
58	23-Sep-19	UNIT-6 Storage Systems: Evolution of storage technology,	6
59	25-Sep-19	storage models, file systems and database,	
60	26-Sep-19	distributed file systems,	
61	27-Sep-19	general parallel file systems.	
62	30-Sep-19	Google file system., Apache Hadoop,	
63	3-Oct-19	BigTable, Megastore,	
64	4-Oct-19	Amazon Simple Storage Service(S3)	
65	7-Oct-19	MID 2	MID 2
66	9-Oct-19	MID 2	
67	10-Oct-19	MID 2	
68	11-Oct-19	MID 2	

TEXT BOOKS

- Distributed and Cloud Computing, Kai Hwang, Geoffry C. Fox, Jack J. Dongarra MK Elsevier.
- Cloud Computing, Theory and Practice, Dan C Marinescu, MK Elsevier.
- Cloud Computing, A Hands on approach, ArshadeepBahga, Vijay Madiseti, University Press

REFERENCE BOOK

- Cloud Computing, A Practical Approach, Anthony T Velte, Toby J Velte, Robert Elsenpeter, TMH
- Mastering Cloud Computing, Foundations and Application Programming, Raj Kumar Buyya, Christenvecctiola, S Tammaraiselvi, TMH.

FACULTY

HOD