

Syllabus Break up : Cloud Computing

Class: VII Sem.CSE

7CS1A

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Lecture No.	Topic	Month in which the topic will be covered	Actual date of covering	Reason for not covering the topic in due time	E contents provided
	Unit 1				
1	Introduction to Introduction Cloud Computing,	August/2015	10	-	Nptel Lec.
2	Nutshell of cloud computing, Enabling Technology	August/2015	11	-	Nptel Lec.
3	Historical development, Vision, feature of Cloud Computing	August/2015	12	-	Nptel Lec.
4	Characteristics and components of Cloud Computing	August/2015	17	-	Nptel Lec.
5	Challenges, Risks and Approaches of Migration into Cloud	August/2015	18	-	Nptel Lec.
6	Ethical Issue in Cloud Computing	August/2015	19	-	Nptel Lec.
7	Evaluating the Cloud's Business Impact and economics	August/2015	24	-	Nptel Lec.
8	Future of the cloud and Networking Support for Cloud Computing	August/2015	25	-	Nptel Lec.
9	Ubiquitous Cloud and the Internet of Things	August/2015	26	-	Nptel Lec.
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	Unit II			-	
10	Cloud Computing Architecture	August/2015	31	-	Nptel Lec.
11	: Cloud Reference Model, Layer and Types of Clouds	Sep/2015	1	-	Nptel Lec.
12	Services models, Data center Design	Sep/2015	2	-	Nptel Lec.
13	interconnection Network, Architectural design of Compute and Storage Clouds	Sep/2015	7	-	Nptel Lec.
14	. Cloud Programming and Software: Fractures of cloud programming	Sep/2015	8	-	Nptel Lec.
15	Parallel and distributed programming paradigms	Sep/2015	9	-	Nptel Lec.

16	MapReduce, Hadoop	Sep/2015	14	-	Nptel Lec.
17	High level Language for Cloud. Programming Google App engine	Sep/2015	15	-	Nptel Lec.
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	Unit III			-	
18	Virtualization Technology: Definition, and Benefits of Virtualization	Sep/2015	16	-	Nptel Lec.
19	Implementation Level of Virtualization	Sep/2015	21	-	Nptel Lec.
20	Virtualization Structure/Tools and Mechanisms	Sep/2015	22	-	Nptel Lec.
21	Hypervisor VMware, KVM	Sep/2015	23	Ramdev Jayanti	Nptel Lec.
22	Xen. And Virtualization: of CPU, Memory	Sep/2015	28	-	Nptel Lec.
23	Virtualization: of I/O Devices, Virtual Cluster and Resources Management	Sep/2015	29	-	Nptel Lec.
24	Virtualization of Server, Desktop, Network	Sep/2015	30	-	Nptel Lec.
25	Virtualization of data-center	Oct/2015	5	-	Nptel Lec.
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	Unit IV			-	
26	Securing the Cloud : Cloud Information security fundamentals	Oct/2015	6	-	Nptel Lec.
27	Cloud security services, Design principles	Oct/2015	7	-	Nptel Lec.
28	Policy Implementation, Cloud Computing Security Challenges	Oct/2015	12	-	Nptel Lec.
29	Cloud Computing Security Architecture	Oct/2015	13	Navratra Sthapna	Nptel Lec.
30	Legal issues in cloud Computing. Data Security in Cloud	Oct/2015	14	-	Nptel Lec.
31	Business Continuity and Disaster Recovery , Risk Mitigation	Oct/2015	19	-	Nptel Lec.
32	Understanding and Identification of Threats in Cloud	Oct/2015	20	-	Nptel Lec.
33	SLA-Service Level Agreements	Oct/2015	21	Durgastmi	Nptel Lec.
34	Trust Management . Data Security in Cloud	Oct/2015	26	-	Nptel Lec.

	Unit V				
35	Cloud Platforms in Industry: Amazon web services , Google AppEngine,	Oct/2015	27	-	
36	Microsoft Azure Design, Aneka: Cloud Application Platform	Oct/2015	28	-	
37	Integration of Private and Public Clouds	Nov/2015	2	-	
38	Cloud applications: Protein structure prediction	Nov/2015	3	-	
39	Data Analysis, Satellite Image Processing	Nov/2015	4	-	
40	CRM and ERP ,Social networking . Cloud Scientific and Business Application	Nov/2015	9	-	
41	Advance Topic in Cloud Computing InterCloud, Third Party Cloud Services	Nov/2015	10	-	
42	Problem Solving Class	Nov/2015	11-18	-	