Lesson Plan

Name of the Faculty	**Neeraj Kumar**
Discipline	**Computer Engineering**
Semester	**6th**
Subject	**Distributed Computing**
Lesson Plan Duration	**48 Hours**

****Work Load (Lecture / Practical) per week (in hours): Lectures - 3, Practical's -___**

Week	Theory		Practical
	Lecture Day	Topic (Including Assignment/Test)	Practical Day
1st	1	Cloud Computing	N/A
	2	Historical Background	N/A
	3	Overview of Cloud Computing, What Works,	N/A
2nd	1	Weak Links	N/A
	2	Application Integration	N/A
	3	Why Cloud Computing, Introduction to Cloud Architecture	N/A
3rd	1	Cloud Services	N/A
	2	Building Scalable Architecture	N/A
	3	Cloud Computing Deployment Models, Public Cloud Vs Private Cloud, Public, Pravate and Hybrid Cloud	N/A
4rt	1	Managed Hosting	N/A
	2	Cloud Computing Service Models	N/A
	3	Software as a Service (Saas), Platform as a Service (PaaS)	N/A
5th	1	Infrastructure as a Service (IaaS), Cloud Components, Clients, Data Center, Distributed Servers	N/A
	2	Characteristics of Cloud Computign, Advantages of Cloud Computing	N/A
	3	Challenges of Cloud Computing, Disadvantages of Cloud Computing,	N/A
6th	1	Application of cloud Computing, Cloud Computing Service Models & Deployment Models	N/A
	2	Revision	N/A
	3	Revision	N/A

7th	1	Revision	N/A
	2	Revision	N/A
	3	Revision	N/A
8th	1	Revision	N/A
	2	Introduction, Cloud Computing Services Models, IAAS Services, IAAS Storage	N/A
	3	IaaS Computing, On-Demand Vs Prepaid, IaaS Network	N/A
9th	1	Domain Name System (DNS), IaaS Cloud Management	N/A
	2	PAAS Services, PaaS Service Characteristics, PaaS (SaaS): Data Analytics & Business Intelligence	N/A
	3	Public Cloud BI Advantage Comes at a Cost, PaaS: Integration	N/A
10th	1	PaaS: Development & QA, SAAS Services, SaasS Business Challenge	N/A
	2	Cloud Computing Deployment Models, Private, Public, Community, Hybrid	N/A
11th	3	Grid Computing, Virtual Resources, Grid Concepts & Components, Grid Software Components	N/A
	1	Application of Grid Computing, Using a grid: Administrator's Perspective	N/A
	2	Using a grid: Developer's Perspective, Application Considerations	N/A
	3	Advantages & Disadvantages of Grid Computing, Other Technologies, Eras of Computign	N/A
12th	1	Scalable Parallel Computer Architectures, Key Characteristics of Scalable Parallel Computer Architectures	N/A
	2	Towards Low Cost Parallel Computing & Motivations,	N/A

	3	Windows of Opportunity Architecture, Clusters Classifications	N/A
13th	1	Commodity Components for clusters, Network Services	N/A
	2	Ubiquitous Computing, Peer to Peer Networks, Clusters Classifications	N/A
	3	Utility Computing, Comparison of Grid, Cluster & Cloud Computing	N/A
14th	1	Revision	N/A
	2	Revision	N/A
	3	Revision	N/A
15th	1	Revision	N/A
	2	Revision	N/A
	3	Revision	N/A