

Lesson Plan for semester Started w.e.f. 01.01.19 (8th Sem)

Subject: Cloud Computing

Name of Institute: Seth Jai Parkash Mukand Lal Institute of Engineering & Technology, Radaur

Name of teacher with designation: Er. Arushi(AP)

Department: CSE

Month	Class	Topic/Chapter Covered	Academic Activity	Test/Assignment
JANUARY L1	B.Tech 8 th sem	Overview of Computing Paradigm: Recent trends in Computing	Lecture	Assignment from 1 st Unit Tute sheet1 (based on previous question papers and important topics)
L2	B.Tech 8 th sem	Grid Computing, Cluster Computing	Lecture	
L3	B.Tech 8 th sem	Distributed Computing, Utility Computing,		
L4	B.Tech 8 th sem	Cloud Computing and its evolution	Lecture	
L5	B.Tech 8 th sem	Business driver for adopting cloud computing.	Lecture	
L6	B.Tech 8 th sem	Cloud Computing (NIST Model)	Lecture	
L7	B.Tech 8 th sem	History of Cloud Computing	Lecture	
L8	B.Tech 8 th sem	Cloud service providers, Properties	Lecture	
L9	B.Tech 8 th sem	Cloud service providers, Properties contd...	Lecture	
L10	B.Tech 8 th sem	Characteristics & Disadvantages of Cloud service providers	Lecture	
L11	B.Tech 8 th sem	Pros and Cons of Cloud Computing, Benefits of Cloud Computing	Lecture	
FEBRUARY L12	B.Tech 8 th sem	Cloud computing vs. Cluster computing vs. Grid computing	Lecture	Assignment from 2 nd Unit Tute sheet1 (based on previous question papers and important topics)
L13	B.Tech 8 th sem	Cluster computing vs. Grid computing contd....		
L14	B.Tech 8 th sem	Role of Open Standards.	Lecture	
L15	B.Tech 8 th sem	Test and discussion of unit -1	Lecture	
L 16	B.Tech 8 th sem	Cloud Computing Architecture		
L 17	B.Tech 8 th sem	Cloud computing stack	Lecture	
L 18	B.Tech 8 th sem	Comparison with traditional computing architecture (client/server)	Lecture	

L 19	B.Tech 8 th sem	Services provided at various levels	Lecture	
L20	B.Tech 8 th sem	How Cloud Computing Works	Lecture	
L 21	B.Tech 8 th sem	How Cloud Computing Works contd....	Lecture	Assignment from 3 rd Unit Tute sheet1 (based on previous question papers and important topics)
L 22	B.Tech 8 th sem	Role of Networks in Cloud computing		
MARCH L 24	B.Tech 8 th sem	Protocols used and Role of Web services in cloud computing	Lecture	
L 25	B.Tech 8 th sem	Service Models (XaaS)	Lecture	
L26	B.Tech 8 th sem	Service Models (XaaS) – contd...	Lecture	
L 27	B.Tech 8 th sem	Infrastructure as a Service (IaaS)		
L 28	B.Tech 8 th sem	Platform as a Service (PaaS)	Lecture	
L29	B.Tech 8 th sem	Software as a Service (SaaS)	Lecture	
L30	B.Tech 8 th sem	Software as a Service (SaaS) contd..	Lecture	
L 31	B.Tech 8 th sem	Deployment Models- Public cloud, Private cloud	Lecture	
L 32	B.Tech 8 th sem	Hybrid cloud, Community cloud.	Lecture	
L33	B.Tech 8 th sem	Test and discussion of unit -2	Lecture	
L34	B.Tech 8 th sem	Service Management in Cloud Computing	Lecture	
L35	B.Tech 8 th sem	Service Level Agreements (SLAs), Billing & Accounting	Lecture	
L 36	B.Tech 8 th sem	Service Level Agreements (SLAs),contd...	Lecture	Assignment from 4 th Unit Tute sheet1 (based on previous question papers and important topics)
APRIL L 37	B.Tech 8 th sem	Comparing Scaling Hardware: Traditional vs. Cloud	Lecture	
L 38	B.Tech 8 th sem	Traditional vs. Cloud contd...	Lecture	
L 39	B.Tech 8 th sem	Economics of scaling: Benefitting enormously	Lecture	
L40	B.Tech 8 th sem	Managing Data- Looking at Data	Lecture	
L41	B.Tech 8 th sem	Scalability & Cloud Services,	Lecture	
L42	B.Tech 8 th sem	Database & Data Stores in Cloud	Lecture	
L43	B.Tech 8 th sem	Large Scale Data Processing	Lecture	
L44	B.Tech 8 th sem	Case study: Eucalyptus	Lecture	
APRIL L45	B.Tech 8 th sem	Case study: Microsoft Azure, Amazon	Lecture	

		EC2	
L46	B.Tech 8 th sem	Case study: Amazon EC2 contd.. and Test and discussion of unit -3	Lecture
L 47	B.Tech 8 th sem	Cloud Security	Lecture
L 48	B.Tech 8 th sem	Infrastructure Security	Lecture
L 49	B.Tech 8 th sem	Network level security, Host level security	Lecture
L 50	B.Tech 8 th sem	Network level security, Host level security contd..	Lecture
L51	B.Tech 8 th sem	Application level security	Lecture
L52	B.Tech 8 th sem	Data security and Storage	Lecture
L53	B.Tech 8 th sem	Data privacy and security Issues	Lecture
L54	B.Tech 8 th sem	Jurisdictional issues raised by Data location	Lecture
L55	B.Tech 8 th sem	Identity & Access Management, Access Control	Lecture
L56	B.Tech 8 th sem	Identity & Access Management, Access Control contd..	Lecture
L57	B.Tech 8 th sem	Trust, Reputation, Risk, Authentication in cloud computing	Lecture
L58	B.Tech 8 th sem	Client access in cloud,	Lecture
L59	B.Tech 8 th sem	Cloud contracting Model	Lecture
L60	B.Tech 8 th sem	Commercial and business considerations.	Lecture

Er. Arushi

Assistant Professor

Deptt. of CSE

JMIT Radaur

Lesson Plan for semester Started w.e.f. 01.01.19 (8th Sem)

Subject: Mobile Apps Development

Name of Institute: Seth Jai Parkash Mukand Lal Institute of Engineering & Technology, Radaur

Name of teacher with designation: Er.Ekta AP, CSE

Department: CSE

Month	Class	Topic/Chapter Covered	Academic Activity	Test/Assignment
JANUARY L1	B.Tech 8 th sem	Mobility landscape,	Lecture	Assignment from 1 st Unit Tute sheet1 (based on previous question papers and important topics)
L2	B.Tech 8 th sem	Mobile platorms	Lecture	
L3	B.Tech 8 th sem	Mobile apps,	Lecture	
L4	B.Tech 8 th sem	development	Lecture	
L5	B.Tech 8 th sem	Overview of android platform	Lecture	
L6	B.Tech 8 th sem	L5 Continue...	Lecture	
L7	B.Tech 8 th sem	Setting up the Mobile app development	Lecture	
L8	B.Tech 8 th sem	environment alogn with an Emulator	Lecture	
L9	B.Tech 8 th sem	Activity –States and life Cycle	Lecture	
L10	B.Tech 8 th sem	L9 Continue...	Lecture	
L11	B.Tech 8 th sem	Interatction amongst activites .	Lecture	
FEBRUARY L12	B.Tech 8 th sem	L11 Continue...	Lecture	Assignment from 2 nd Unit Tute sheet1 (based on previous question papers and important topics)
L13	B.Tech 8 th sem	App functionality beyond user interface	Lecture	
L14	B.Tech 8 th sem	Continue....	Lecture	
L15	B.Tech 8 th sem	Threads, Async task, Services	Lecture	
L 16	B.Tech 8 th sem	Services	Lecture	
L 17	B.Tech 8 th sem	States and life cycle	Lecture	
L 18	B.Tech 8 th sem	Continue....	Lecture	
L 19	B.Tech 8 th sem	Continue....	Lecture	
L20	B.Tech 8 th sem	Different States and life cycle	Lecture	
L 21	B.Tech 8 th sem	Continue....	Lecture	
L 22	B.Tech 8 th sem	Continue....	Lecture	

MARCH L 24	B.Tech 8 th sem	Notifications, broadcast receivers	Lecture	Assignment from 3 rd Unit Tute sheet1 (based on previous question papers and important topics)	
L 25	B.Tech 8 th sem	Continue....	Lecture		
L26	B.Tech 8 th sem	Continue....	Lecture		
L 27	B.Tech 8 th sem	broadcast receivers	Lecture		
L 28	B.Tech 8 th sem	Continue....	Lecture		
L29	B.Tech 8 th sem	Continue....	Lecture		
L30	B.Tech 8 th sem	Content provider	Lecture		
L 31	B.Tech 8 th sem	Continue...	Lecture		
L 32	B.Tech 8 th sem	Graphics and animation Custome views	Lecture		
L33	B.Tech 8 th sem	Custome views	Lecture		
L34	B.Tech 8 th sem	Canvas, animation APIs	Lecture		
L35	B.Tech 8 th sem	APIs	Lecture		
L 36	B.Tech 8 th sem	Multimedia Audio/Video playback and record	Lecture		Assignment from 4 th Unit Tute sheet1 (based on previous question papers and important topics)
L 37	B.Tech 8 th sem	Continue....	Lecture		
L 38	B.Tech 8 th sem	Location awareness	Lecture		
L 39	B.Tech 8 th sem	Continue....	Lecture		
L40	B.Tech 8 th sem	Native data handling file I/O	Lecture		
L41	B.Tech 8 th sem	Continue...	Lecture		
L42	B.Tech 8 th sem	Different Native data handling file I/O	Lecture		
L43	B.Tech 8 th sem	Shared preferences	Lecture		
L44	B.Tech 8 th sem	Shared preferences in detail	Lecture		
L44	B.Tech 8 th sem	Mobile databases such as SQLite	Lecture		
APRIL L45	B.Tech 8 th sem	Continue...	Lecture		
L46	B.Tech 8 th sem	Enterprise data access (via internet /inteanet)	Lecture		
L47	B.Tech 8 th sem	EDA	Lecture		
L48	B.Tech 8 th sem	Debugging moblie apps	Lecture		
L49	B.Tech 8 th sem	Detailed Debugging moblie apps	Lecture		

L50	B.Tech 8 th sem	White box testing	Lecture
L51	B.Tech 8 th sem	Continue...	Lecture
L52	B.Tech 8 th sem	Continue...	Lecture
L53	B.Tech 8 th sem	Continue...	Lecture
L54	B.Tech 8 th sem	Black box testing	Lecture
L55	B.Tech 8 th sem	Continue...	Lecture
L56	B.Tech 8 th sem	Continue...	Lecture
L57	B.Tech 8 th sem	Continue...	Lecture
L58	B.Tech 8 th sem	Test automation of mobile app	Lecture
L59	B.Tech 8 th sem	Continue...	Lecture
L60	B.Tech 8 th sem	Junit for Android	Lecture

Er. Arushi

Assistant Professor

Deptt. of CSE

JMIT Radaur

Lesson Plan for semester Started w.e.f. 01.01.19 (8th Sem)

Subject: Neural Networks and Fuzzy Logic

Name of Institute: Seth Jai Parkash Mukand Lal Institute of Engineering & Technology, Radaur

Name of teacher with designation: Er.Bhawna(AP), Er.Mohit(AP)

Department: CSE

Month	Class	Topic/Chapter Covered	Academic Activity	Test/Assignment
JANUARY L1	B.Tech 8 th sem	Introduction : Concepts of neural networks	Lecture	Assignment from 1 st Unit Tute sheet1 (based on previous question papers and important topics)
L2	B.Tech 8 th sem	Basics of neural networks	Lecture	
L3	B.Tech 8 th sem	Characteristics of neural networks	Lecture	
L4	B.Tech 8 th sem	L3 Continue.....	Lecture	
L5	B.Tech 8 th sem	Applications of neural networks	Lecture	
L6	B.Tech 8 th sem	L5 Continue....	Lecture	
L7	B.Tech 8 th sem	Fundamentals of neural networks	Lecture	
L8	B.Tech 8 th sem	Details of Fundamentals of neural networks	Lecture	
L9	B.Tech 8 th sem	What do you mean by Prototype	Lecture	
L10	B.Tech 8 th sem	The biological prototype	Lecture	
L11	B.Tech 8 th sem	Neuron concept ,	Lecture	
FEBRUARY L12	B.Tech 8 th sem	single layer neural networks	Lecture	Assignment from 2 nd Unit Tute sheet1 (based on previous question papers and important topics)
L13	B.Tech 8 th sem	Multi-Layer neural networks.	Lecture	
L14	B.Tech 8 th sem	Terminology	Lecture	
L15	B.Tech 8 th sem	Notation of neural networks	Lecture	
L 16	B.Tech 8 th sem	representation of neural networks	Lecture	
L 17	B.Tech 8 th sem	Training of artificial neural networks	Lecture	
L 18	B.Tech 8 th sem	L17 Continue....	Lecture	
L 19	B.Tech 8 th sem	Representations of perceptron,	Lecture	
L20	B.Tech 8 th sem	L20 Continue....	Lecture	
L 21	B.Tech 8 th sem	perceptron learning and training	Lecture	
L 22	B.Tech 8 th sem	Perceptron training	Lecture	

MARCH L 24	B.Tech 8 th sem	Classification , linear separability	Lecture	Assignment from 3 rd Unit Tute sheet1 (based on previous question papers and important topics)	
L 25	B.Tech 8 th sem	linear separability	Lecture		
L26	B.Tech 8 th sem	Hopfield nets: Structure,	Lecture		
L 27	B.Tech 8 th sem	Structure,	Lecture		
L 28	B.Tech 8 th sem	Training	Lecture		
L29	B.Tech 8 th sem	applications,	Lecture		
L30	B.Tech 8 th sem	Back propagation : concept, applications	Lecture		
L 31	B.Tech 8 th sem	Back propagation Training algorithms.	Lecture		
L 32	B.Tech 8 th sem	Counter propagation Networks: kohonan network	Lecture		
L33	B.Tech 8 th sem	gross berg layer & Training	Lecture		
L34	B.Tech 8 th sem	Applications of counter propagation.	Lecture		
L35	B.Tech 8 th sem	Image classification.	Lecture		
L 36	B.Tech 8 th sem	Bi-directional associative memories	Lecture		Assignment from 4 th Unit Tute sheet1 (based on previous question papers and important topics)
L 37	B.Tech 8 th sem	L34 Continue...	Lecture		
L 38	B.Tech 8 th sem	Structure, retrieving a stored association,	Lecture		
L 39	B.Tech 8 th sem	encoding associations	Lecture		
L40	B.Tech 8 th sem	Art architecture	Lecture		
L41	B.Tech 8 th sem	Art Classification operation,	Lecture		
L42	B.Tech 8 th sem	ART implementation	Lecture		
L43	B.Tech 8 th sem	characteristics of ART	Lecture		
L44	B.Tech 8 th sem	Image compression using art ,	Lecture		
APRIL L45	B.Tech 8 th sem	optical neural networks ,	Lecture		
L46	B.Tech 8 th sem	Vector Matrix multipliers	Lecture		
L 47	B.Tech 8 th sem	Hop field net using Electro optical matrix multipliers,	Lecture		
L 48	B.Tech 8 th sem	holographic correlator,	Lecture		
L 49	B.Tech 8 th sem	Optical Hopfield net suing volume holograms,	Lecture		
L 50	B.Tech 8 th sem	cognitrons and neocognitrons: Structure	Lecture		

		and training	
L 51	B.Tech 8 th sem	Fuzzy Logic :introduction of fuzzy logic, Classical and fuzzy sets	Lecture
L52	B.Tech 8 th sem	Overview of classical sets, membership Function, Fuzzy rule generation,	Lecture
L53	B.Tech 8 th sem	Operations on Fuzzy sets: compliment ,	Lecture
L54	B.Tech 8 th sem	intersections, Unions, combinations of operations,	Lecture
L55	B.Tech 8 th sem	Aggregation Operations, Fuzzy Arithmetic: Fuzzy Numbers, Linguistic variables,	Lecture
L56	B.Tech 8 th sem	Arithmetic Operations on Intervals & Numbers,	Lecture
L57	B.Tech 8 th sem	Lattice of Fuzzy Numbers, Fuzzy Equations	Lecture
L58	B.Tech 8 th sem	Introduction of Neruo Fuzzy systems architecture of Neuro Fuzzy networks	Lecture
L59	B.Tech 8 th sem	Genetic Algorithms: genetic algorithm implementation in problem solving and	Lecture
L60	B.Tech 8 th sem	Working of genetic algorithms evolving neural networks	Lecture

Er. Bhawna , Er.Mohit

Assistant Professor

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JMIT Radaur

Lesson Plan for semester Started w.e.f. 01.01.19 (8th Sem)

Subject: Software Testing

Name of Institute: Seth Jai Parkash Mukand Lal Institute of Engineering & Technology, Radaur

Name of teacher with designation: Er. Pinki(AP), Er.Shabnam(AP)

Department: CSE

Month	Class	Topic/Chapter Covered	Academic Activity	Test/Assignment
JANUARY L1	B.Tech 8 th sem	Introduction : Overview of software evolution	Lecture	Assignment from 1 st Unit Tute sheet1 (based on previous question papers and important topics)
L2	B.Tech 8 th sem	Continue....	Lecture	
L3	B.Tech 8 th sem	SDLC, Testing Process	Lecture	
L4	B.Tech 8 th sem	Testing Process	Lecture	
L5	B.Tech 8 th sem	Terminologies in testing :Error	Lecture	
L6	B.Tech 8 th sem	Continue....	Lecture	
L7	B.Tech 8 th sem	Fault , Failure , verification	Lecture	
L8	B.Tech 8 th sem	Failure , verification	Lecture	
L9	B.Tech 8 th sem	Validation , difference between verification and validation	Lecture	
L10	B.Tech 8 th sem	difference between verification and validation	Lecture	
L11	B.Tech 8 th sem	What is software testing	Lecture	
FEBRUARY L12	B.Tech 8 th sem	why it ti so hard ?	Lecture	Assignment from 2 nd Unit Tute sheet1 (based on previous question papers and important topics)
L13	B.Tech 8 th sem	Test cases ,	Lecture	
L14	B.Tech 8 th sem	Test Oracles, testing process	Lecture	
L15	B.Tech 8 th sem	Limitations of testing	Lecture	
L 16	B.Tech 8 th sem	Continue...	Lecture	
L 17	B.Tech 8 th sem	Functional testing :	Lecture	
L 18	B.Tech 8 th sem	Boundary value analysis	Lecture	
L 19	B.Tech 8 th sem	Equivalence class testing	Lecture	
L20	B.Tech 8 th sem	Continue...	Lecture	
L 21	B.Tech 8 th sem	Decision table based testing	Lecture	

L 22	B.Tech 8 th sem	Continue...	Lecture	Assignment from 3 rd Unit Tute sheet1 (based on previous question papers and important topics)	
MARCH L 24	B.Tech 8 th sem	Cause effect graphing technique	Lecture		
L 25	B.Tech 8 th sem	Continue...	Lecture		
L26	B.Tech 8 th sem	Structural testing : path testing	Lecture		
L 27	B.Tech 8 th sem	Continue...	Lecture		
L 28	B.Tech 8 th sem	DD-paths ,	Lecture		
L29	B.Tech 8 th sem	cyclomatic complexity	Lecture		
L30	B.Tech 8 th sem	Graph metrics,	Lecture		
L 31	B.Tech 8 th sem	data flow testing	Lecture		
L 32	B.Tech 8 th sem	Mutation testing	Lecture		
L33	B.Tech 8 th sem	Continue...	Lecture		
L34	B.Tech 8 th sem	Reducing the number of test cases.	Lecture		
L35	B.Tech 8 th sem	Prioritization guidelines	Lecture		
L 36	B.Tech 8 th sem	Priority category ,	Lecture		Assignment from 4 th Unit Tute sheet1 (based on previous question papers and important topics)
L 37	B.Tech 8 th sem	scheme	Lecture		
L 38	B.Tech 8 th sem	Risk analysis ,	Lecture		
L 39	B.Tech 8 th sem	regression testing	Lecture		
L40	B.Tech 8 th sem	And slice based testing	Lecture		
L41	B.Tech 8 th sem	Continue...	Lecture		
L42	B.Tech 8 th sem	Testing activities : Unit testing ,	Lecture		
L43	B.Tech 8 th sem	levels of testing	Lecture		
L44	B.Tech 8 th sem	Integration testing	Lecture		
L45	B.Tech 8 th sem	Continue...	Lecture		
L46	B.Tech 8 th sem	System testing	Lecture		
L 47	B.Tech 8 th sem	Continue...	Lecture		
APRIL L48	B.Tech 8 th sem	Debugging ,	Lecture		
L49	B.Tech 8 th sem	domain testing	Lecture		

L50	B.Tech 8 th sem	Object oriented testing.	Lecture
L51	B.Tech 8 th sem	Definition	Lecture
L52	B.Tech 8 th sem	Issues , class testing	Lecture
L53	B.Tech 8 th sem	Object oriented integration and system testing	Lecture
L54	B.Tech 8 th sem	Testing web application: what is web testing ?	Lecture
L55	B.Tech 8 th sem	User interface testing	Lecture
L56	B.Tech 8 th sem	Usability testing	Lecture
L57	B.Tech 8 th sem	Security testing	Lecture
L58	B.Tech 8 th sem	Performance testing	Lecture
L59	B.Tech 8 th sem	Database testing	Lecture
L60	B.Tech 8 th sem	Post deployment test	Lecture

Er. Pinki

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