

Department of CSE & IT
organises
15 DAYS ONLINE FACULTY DEVELOPMENT PROGRAMME
CLOUD COMPUTING
10.06.2020 to 30.06.2020
PROGRAMME SCHEDULE

<u>DAY</u>	<u>DATE</u>	<u>TOPIC</u>	<u>RESOURCE PERSON</u>
1	10.06.2020	Introduction about the college- About the department-About FDP.	Dr.Vijaya Chamundeswari /Principal Dr.Venkateshwaran/HOD – IT Mr.Srikanth Janarthanan, HOD/CSE Mr.S.D.Nandhakumar, ASP/ CSE Dr.G.Selvavinayagam , Prof/IT Ms,Kamala, AP/CSE
		Introduction to Cloud Computing -Definition of Cloud – Evolution of Cloud Computing.	Dr.T.Senthil Kumar, Amrita Vishwa Vidyapeetham
2	11.06.2020	Principles of Parallel and Distributed Computing – Cloud Characteristics – Elasticity in Cloud	Dr.T.Senthil Kumar, Amrita Vishwa Vidyapeetham
3	12.06.2020	What is AWS cloud ? Overview of VPC AWS registration, How to connect to AWS Ec2 Windows server and launc Ec2 Ubuntu 16.04 server and install LAMP.	Mr. Shanmuganath Chandrabose Senior Solution Architect GUVI
4	15.06.2020	Service Oriented Architecture – REST and Systems of Systems – Web Services – Publish-Subscribe Model - Basics of Virtualization – Types of Virtualization.	Dr.B.Sangeetha, PSG College of Technology
5	16.06.2020	Implementation Levels of Virtualization – Virtualization Structures- Tools and Mechanisms – Virtualization of CPU – Memory – I/O Devices – Virtualization Support and Disaster Recovery	Dr.B.Sangeetha, PSG College of Technology
		Assessment – I(MCQ Test)	

6	17.06.2020	Install Hadoop single node from AWS Linux AMI, Datanode, namenode, resource, Run simple application.	Mr. Shanmuganath Chandrabose Senior Solution Architect GUVI
7	18.06.2020	Layered Cloud Architecture Design – NIST Cloud Computing Reference Architecture – Public, Private and Hybrid Clouds - IaaS – PaaS – SaaS.	Ms.R.Devi, , Government College of Technology
8	19.06.2020	Architectural Design Challenges – Cloud Storage – Storage-as-a-Service – Advantages of Cloud Storage – Cloud Storage Providers.	Dr.B.Sangeetha, PSG College of Technology
9	22.06.2020	Overview and Hands on session on AWS Services	Mr. Karthick Periasamy Software Development Manager Amazon
10	23.06.2020	Inter Cloud Resource Management – Resource Provisioning and Resource Provisioning Methods – Global Exchange of Cloud Resources	Mr.B.L.Radha Krishnan, Karunya University
		Assessment – II(MCQ Test)	
11	24.06.2020	Security Overview – Cloud Security Challenges – Software-as-a-Service Security – Security Governance – Virtual Machine Security – IAM – Security Standards	Mr.B.L.Radha Krishnan, Karunya University
12	25.06.2020	What is GCP? overview cloud, Registration of cloud, run Google app engine with demo application.	Mr. Shanmuganath Chandrabose Senior Solution Architect GUVI
13	26.06.2020	Hadoop – MapReduce – Virtual Box -- Google App Engine – Programming Environment for Google App Engine -- Open Stack.	Mr.B.L.Radha Krishnan, Karunya University
14	29.06.2020	Federation in the Cloud – Four Levels of Federation – Federated Services and Applications – Future of Federation.	Dr.B.Sangeetha, PSG College of Technology
15	30.06.2020	AWS load balancer overview, monitoring.	Mr. Shanmuganath Chandrabose Senior Solution Architect GUVI
		Vote of Thanks	Ms. Aruna, AP/CSE
		Final Assessment (MCQ Test)	
		Final Feedback Submission	

Convenor(s)

Organising Secretary