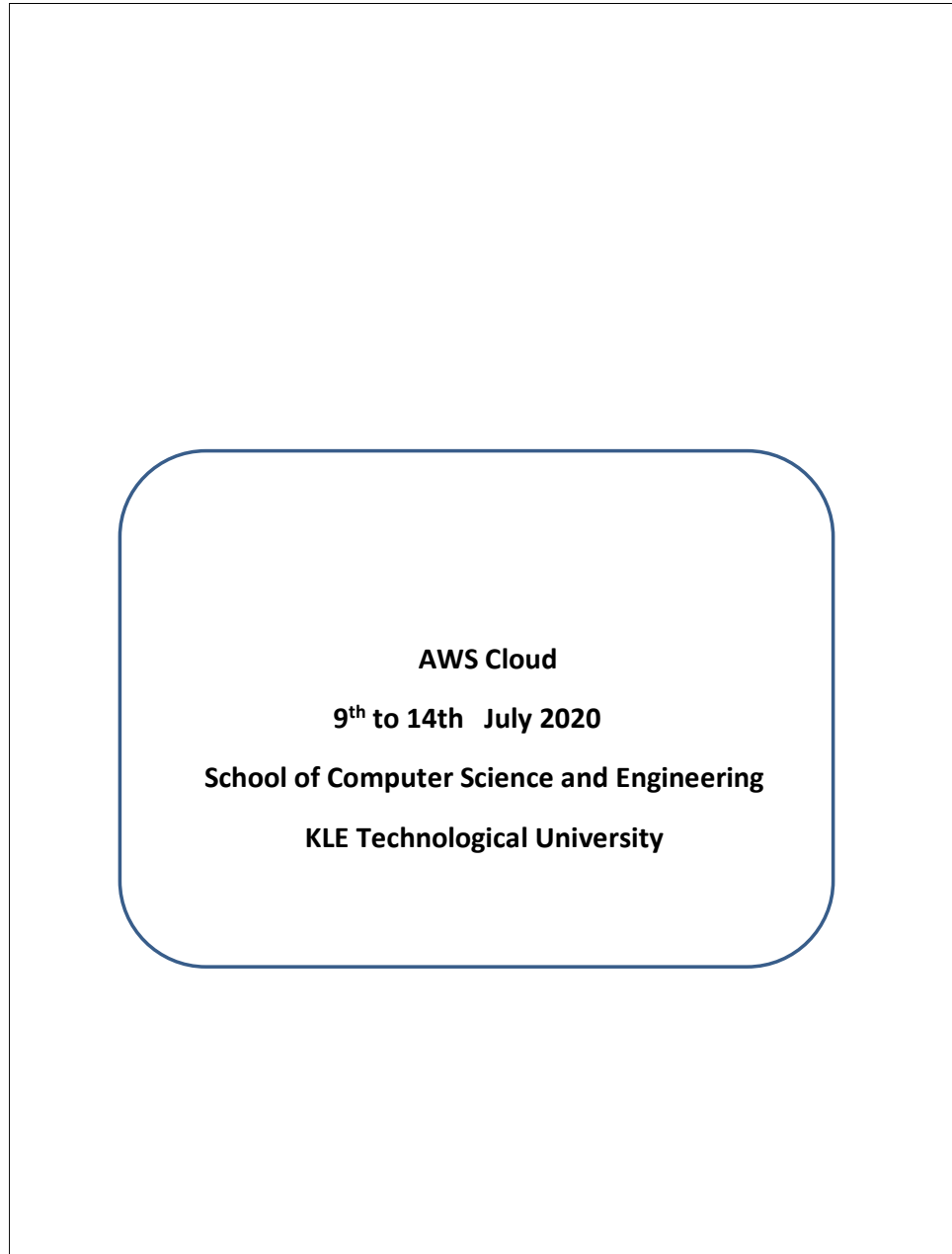

12.AWS Cloud workshop



12.AWS Cloud workshop

Brochure

About the Workshop

This AWS workshop includes the latest changes in SAA-C02 and also covers the concepts of SAA-C01. This develops skills like AWS Cloud, IAM, Lambda, Redshift, EC2, S3, CloudTrail, Global Accelerator, FSx and more. Workshop aims to work on various tools of AWS cloud platform and create highly scalable, highly available and fault-tolerant SaaS applications.

Topics

- AWS Core services
- S3 overview
- EC2 Overview
- Virtual Private Cloud
- NO-SQL database dynamoDB
- AWSLambda

Resource Persons

Mr. Sandip Patel
Assistant Professor
(Charusat University)

Objectives

By the end of workshop participant will be able to:

To acquaint the participant with the various services provided by the AWS cloud platform and to build a workable knowledge of all the technology used to build IT infrastructure of any small/large on any AWS cloud platform. During 6 day of workshop: Amazon web services like S3, EC2, VPC, IAM, Databases, Cloud watch etc, along with live demo of these services on AWS console UI and many more will be covered

Registration

For more details contact
Dr. Narayan D G
Professor, School of Computer
Science
KLE Technological University
Vidyanagar Hubli-580031
Mob: 9448635627
Email: narayan_dg@kletech.ac.in

For registration click on the following link:

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12.AWS Cloud workshop

Chief Patron:
Dr. Ashok Shettar
Vice Chancellor
KLE Technological University
Hubballi.

Patrons:
Prof. N.H.Ayachit
Registrar
KLE Technological University
Hubballi.

Dr. P.G.Tewari
Principal
B.V.Bhoomaraddi college of
Engineering & Technology
Hubballi.

Convenors:
Dr. Meena S.M.
Head
SoCSE
KLE Technological University
Hubballi.

Organizing Committee
Prof. Narayan D.G.
Prof. Pooja Shettar


About Institution

KLE Technological University (KLE Tech) has its roots in one of the premier engineering institution of Karnataka, B. V. Bhoomaraddi College of Engineering and Technology (BVB), a prestigious engineering college in Hubli. In 2014 the college was recognized as a state private University by Government of Karnataka. The rich heritage of BVB College as one of the best engineering college in Hubli combined with brand equity of KLE Society are the starting points for KLE Technological University to emerge as a University with a national distinction.


About Department

School of Computer Science & Engineering offers graduate, post graduate and doctorate degrees. The Board of Studies (BoS) comprises of experts from academia and industry. The curriculum encompasses core computer science courses and facilitates for experiential learning. School has specialized laboratories in the areas of machine learning, parallel computing, distributed and cloud computing and computer vision. The Department is consistently having a good placement record top hiring companies including Microsoft, Wal-Mart, Juniper, Akamai, SAP, Sony, Informatica, etc.

**KLE SOCIETY'S
KLE TECHNOLOGICAL
UNIVERSITY**



Six-day Workshop on



09 to 14 July 2020

AWS Cloud workshop Overview

Virtual AWS workshop includes the latest changes in SAA-C02 and also covers the concepts of SAA-C01. This develops skills like AWS Cloud, IAM, Lambda, Redshift, EC2, S3, CloudTrail, Global Accelerator, FSx and more. Workshop aims to work on various tools of AWS cloud platform and create highly scalable, highly available and fault-tolerant SaaS applications.

12.AWS Cloud workshop

AWS Cloud (9th to 14th July 2020)

Date	Session	Topics
Day 1:	S1 - 9.30AM to 12.00PM	<ul style="list-style-type: none"> ● Introduction of AWS console ● Overview of AWS Core services ● Deep dive into IAM with hands-on ● DEMO: Introduction to AWS Identity and Access Management (IAM)
	S2 - 12.00Pm to 1.00PM	<ul style="list-style-type: none"> ● S3 overview <ul style="list-style-type: none"> ○ Versioning ○ Life cycle ○ Static Website hosting ○ Access Control ○ Security & Encryption ● DEMO 1: Create an AWS S3 bucket and upload a file ● DEMO 2: Host Static website using s3
	1.00 to 2.00PM	Lunch Break
	S3 - 2.00PM to 4.00PM	<ul style="list-style-type: none"> ● EC2 Overview ● DEMO 1: Create an EC2 instance and host website ● DEMO 2: Create an image of EC2 instance and Launch an instance from that AMI in a different region.
	S4 - 4.00PM to 5.00PM	<ul style="list-style-type: none"> ● EBS & EFS overview ● Comparison of all EBS type ● DEMO: Create a snapshot and mount EBS volume.
Day 2 :	S1 - 9.30AM to 11.00AM	<ul style="list-style-type: none"> ● EC2 windows server ● EBS comparison ● Basics of load balancer
	S2 - 11.00AM to 1.00PM	<ul style="list-style-type: none"> ● Classic load balancer & Network load balancer with demo ● Basics of auto scaling with demo
	1.00PM to 2.00PM	Lunch break
	S3 - 2.00PM to 5.00PM	<ul style="list-style-type: none"> ● Application load balancer overview ● Application load balancer hands-on ● Auto scaling with application load balancer demo
Day 3:	S1 - 9.30AM to 11.00AM	<ul style="list-style-type: none"> ● Introduction about Virtual Private Cloud ● Demo of VPC

12.AWS Cloud workshop

	S2 - 11.00AM to 1.00PM	<ul style="list-style-type: none"> • Deep dive into Virtual Private Cloud • Overview of VPC peering
	1.00AM to 2.00PM	Lunch break
	S3 - 2.00PM to 4.00PM	<ul style="list-style-type: none"> • Demo of VPC peering
	S4 - 4.00PM to 5.00PM	<ul style="list-style-type: none"> • Perform handson of EFS
Day 4:	S1 - 9.30AM to 11.00AM	<ul style="list-style-type: none"> • Quiz -1 & doubt solving • Introduction about Database • Deepdive into RDS
	S2 - 11.00AM to 1.00PM	<ul style="list-style-type: none"> • Demo : Create database server and access using workbench • Overview of RDS features like Multi AZ and Read replica
	1.00AM to 2.00PM	Lunch break
	S3 - 2.00PM to 4.00PM	<ul style="list-style-type: none"> • Introduction about NO-SQL database dynamoDB • Demo: Create dynamodb database and explore its functionality in details
	S4 - 4.00PM to 5.00PM	<ul style="list-style-type: none"> • Introduction about Machine learning services like polly and Rekognition
Day 5:	S1 - 12.00AM to 1.00PM	<ul style="list-style-type: none"> • Introduction about cloudfront and Route53 • Perform hands on of Cloudfront
	1.00AM to 2.00PM	Lunch break
	S3 - 2.00PM to 4.00PM	<ul style="list-style-type: none"> • Introduction about AWS Lambda • Demo: Create 2 types of Lambda function
	S4 - 4.00PM to 5.30PM	<ul style="list-style-type: none"> • SNS & SQS overview • Demo: Integrate both the service with AWS Lambda
Day 6:	S1 - 9.30AM to 11.00AM	<ul style="list-style-type: none"> • Cloud Formation <ul style="list-style-type: none"> ○ Create Stack ○ Update Stack ○ Delete stack
	S2 - 11.00AM to 1.00PM	<ul style="list-style-type: none"> • Project Discussion + Quiz
	1.00AM to 2.00PM	Lunch break
	S3 - 2.00PM to 3:30PM	<ul style="list-style-type: none"> • Doubt Solving Session and Exam Tips

12.AWS Cloud workshop

Resource Person

Sandip R Patel is working as Assistant Professor in Charusat University, Gujarat. He has completed his Bachelor of Engineering in Information Technology in the year 2012, completed his M.Tech in computer engineering in the year 2015. He is expertise in Amazon Web Services, Fog & Edge Computing. He also has good knowledge about Cloud computing, Virtualization and IoT. He is certified cloud practioner of AWS as he has completed the certification on AWS Certified Developer-Associate, AWS Certified Solution Architect-Associate, Cisco Certified Network Associate.