



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
IAF-AVADI, CHENNAI - 55
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CIRCULAR

Date: 30-07-2020

The Department of Computer Science and Engineering plans to conduct a Value Added Course on “**CLOUD INFRASTRUCTURE (AWS)**” by “**MOHAMAD SHABI**” M/s **if-else Technologies**”, for the benefit of IV year B.E CSE Students. This Course is Scheduled from **12-08-2020** to **05-09-2020** for **33 Hours (4 Weeks)**. All registered students must attend all Online classes without fail. Students who complete the course successfully will get certificates.

Criteria for Eligibility to get Certificates :-

75% attendance

Above 50% marks in Quiz

Shanaka . M
30/7/20

HOD/CSE

HEAD

Computer Science & Engineering
Aalim Muhammed Salegh
College of Engineering

Copy to:-

1. Principal.
2. IQAC
3. Resource Person, Mr. Mohamad Shabi
4. CSE Faculty Members
5. IV year CSE whatsapp group
6. Hostel/Transport Supervisor
7. Campus Manager
8. Campus Engineer



[Signature]
PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Approved by AICTE and Affiliated to Anna University Chennai



TNEA Counselling CODE: **1101**

Department of Computer Science and Engineering
organizes

**VALUE ADDED
COURSE**

“CLOUD INFRASTRUCTURE (AWS)”

For-IV Year Students

**FROM 12/08/2020
TO 05/09/2020**

Timing
4.00 P.M
To
5.50 P.M

**RESOURCE PERSON
Mr.MOHAMMAD SHABI
M/S IF ELSE TECHNOLOGIES**

Meet link: <https://meet.google.com/pao-hhsd-wdn>

**Dr.N.R.Shanker
HOD/CSE**

**Prof.Dr.Afzal Ali Baig
Principal**

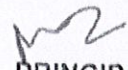
**Alhaj S Segu Jamaludeen
Secretary & Correspondent**

Follow us on: **You Tube**

f facebook

Visit Us @ www.aalimec.ac.in




**PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING**



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
IAF-AVADI, CHENNAI - 55
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



VALUE-ADDED COURSE- SUMMARY REPORT

COURSE NAME : CLOUD INFRASTRUCTURE (AWS)

Date: 12-08-2020 to 05-09-2020

Time: 4.00 P.M to 5.50 P.M

Course Conducted Hours: 33 Hrs (4 Weeks)

Mode of Conduction: Online

Students Attended: 57

Students Certified: 57

Speaker: Mohamad Shabi

Total No of Modules : 4

The Objective of the Course: To educate students about cloud deployment and service Models, Cloud Infrastructure and the key consideration in migrating to cloud computing.

Summary of the Course: A total of 57 students participated and got introduced with cloud infrastructure and its applicable areas. AWS Cloud Computing is the delivery of AWS computing services including servers, storage, databases, networking, software, analytics, and intelligence over the Internet ("the cloud") to offer faster innovation, flexible resources, and economies of scale.

COURSE OUTCOMES:

Upon successful completion of this course, Students will be able to

- Explain the core concepts of the cloud computing paradigm: how and why this paradigm shift came about, the characteristics, advantages and challenges brought about by the various models and services in cloud computing.
- Apply the fundamental concepts in data centers to understand the tradeoffs in




PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

power, efficiency and cost by Load balancing approach.

- To analyze various cloud programming models and apply them to solve problems on the cloud.
- To understand various management and other distinguish services of AWS.
- To analyze the billing of resources and other paradigm: how to deal with disasters.
- To understand security and compliances for AWS.

Omer 5/9/20
COURSE COORDINATOR

*Shankar M
5/09/20*
HOD/CSE



[Signature]
PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

HEAD
Computer Science & Engineering
Aalim Muhammed Salegh
College of Engineering

From

Date: 30-07-2020

The HOD,
Department of Computer Science and Engineering,
Aalim Muhammed Salegh College of Engineering,
Muthapudupet, Avadi,
Chennai- 600 055.

To

The Principal,
Aalim Muhammed Salegh College of Engineering,
Muthapudupet, Avadi,
Chennai - 600 055.

Subject: Requisition for Approval of Value-Added Course on "Cloud Infrastructure (AWS)"- Reg.

Respected Sir,

We would like to arrange a Value-Added Course on the title "Cloud Infrastructure (AWS)" for final-year CSE students. The Course will be conducted by "Mr. Mohamed Shabi", M/s ifelse Technologies. The Value-Added Course will be conducted from 12.08.2020 to 05.09.2020. So we kindly request you to provide approval for the same.

Thanking you

Permitted
Shabi
30/7/2020
PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI - IAF, MUTHAPUDUPE
CHENNAI 600 055

Yours Faithfully

Shankar
30/07/20
HOD/CSE



Shankar
PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING



Value Added Course Details

Course Name: CLOUD INFRASTRUCTURE (AWS)

Date : 12/08/2020 to 05/09/2020

S.No	Content	Total Hours
1	<p>Module 01 – Introduction to Cloud Computing and AWS</p> <ul style="list-style-type: none">• What is Cloud Computing?• Cloud service and deployment models• How AWS is the leader in the cloud domain?• Various cloud computing products offered by AWS• Introduction to AWS S3, EC2, VPC, EBS, ELB, AMI• AWS architecture and the AWS Management Console, virtualization in AWS (Xen hypervisor)• What is auto-scaling?• AWS EC2 best practices and costs involved	9
2	<p>Module 02 – Elastic Compute and Storage Volumes</p> <ul style="list-style-type: none">• Introduction to EC2• Regions and Availability Zones (AZs) Pre-EC2, EC2 instance types• Comparing Public IP and Elastic IP• Demonstrating how to launch an AWS EC2 instance• Introduction to AMIs, creating and copying an AMI	8




PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

3	<p>Module 03 – Load Balancing, Auto scaling, and DNS</p> <ul style="list-style-type: none"> ● Introduction to Elastic Load Balancer ● Types of ELB – Classic, Network, and Application ● Load balancer architecture ● Cross-zone load balancing ● Introduction to Auto Scaling, vertical and horizontal scaling, the lifecycle of Auto Scaling ● Components of Auto Scaling, scaling options, and policy, instance termination ● Using load balancer with Auto Scaling 	8
4	<p>Module 04 – Virtual Private Cloud</p> <ul style="list-style-type: none"> ● What is Amazon VPC? ● VPC as a networking layer for EC2 ● IP address and CIDR notations ● Components of VPC – Network interfaces, route tables, internet gateway, NAT 	8
Total Hours		33




PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

IAF-AVADI, CHENNAI - 55

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE NAME: CLOUD INFRA STRUCTURE (AWS)



TIMING: 4.00 P.M TO 5.50 PM

S.No	DATE	COURSE CONTENT
1	12/08/2020	What is Cloud Computing?
2	13/08/2020	Cloud service and deployment models
3	14/08/2020	Introduction to AWS S3, EC2, VPC,EBS, ELB, AMI
4	17/08/2020	AWS architecture
5	18/08/2020	AWS EC2 best practices and costs involved
6	19/08/2020	Introduction to EC2
7	20/08/2020	Regions and Availability Zones (AZs) Pre-EC2, EC2 instance types
8	21/08/2020	Demonstrating how to launch an AWS EC2 instance
9	24/08/2020	Introduction to AMIs, creating and copying an AMI
10	25/08/2020	Introduction to Elastic Load Balancer
11	26/08/2020	Types of ELB – Classic, Network, and Application
12	27/08/2020	Load balancer architecture,Cross-zone load balancing
13	28/08/2020	Introduction to Auto Scaling, vertical and horizontal scaling, the lifecycle of Auto Scaling
14	31/08/2020	Components of Auto Scaling, scaling options, and policy, instance termination
15	02/09/2020	What is Amazon VPC
16	03/09/2020	VPC as a networking layer for EC2
17	04/09/2020	IP address and CIDR notations
18	05/09/2020	Components of VPC – Network interfaces, route tables, internet gateway,NAT

Done 30/8/20



[Signature]
PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
MUTHAPUDUPET, AVADI-IAF, CHENNAI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



STUDENT NAME LIST

YEAR:IV

Course name: Cloud Infrastructure (AWS)


S.NO	REG.NO	NAME OF THE STUDENTS	12/8/20	13/8/20	14/8/20	17/8/20	18/8/20	19/8/20	22/8/20	23/8/20	24/8/20	25/8/20	26/8/20	27/8/20	28/8/20	31/8/20	2/9/20	3/9/20	4/9/20	5/9/20
1	110117104003	AFREENFATHIMA A	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/	/
2	110117104004	AHAMED RIYAZ M	/	/	/	a	/	/	/	/	/	/	a	/	/	/	/	/	/	/
3	110117104005	AHMED SUFYAN M	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/
4	110117104006	AKIF ABDUL AZEEM	/	a	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/
5	110117104007	ALI ASKAR A	/	/	/	/	/	a	/	/	/	a	/	/	/	/	a	/	a	/
6	110117104009	CADER SAHIB RIMAS M Z	a	/	/	/	/	/	a	/	/	/	/	/	a	/	/	/	/	/
7	110117104012	HAMEED AKSHAL A	/	/	/	/	/	/	/	a	/	/	/	/	/	a	/	/	/	/
8	110117104016	JESILA BANU A	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/
9	110117104021	MIR MUDASSIR ALI	/	/	/	/	a	/	/	/	/	a	/	/	/	/	/	/	/	a
10	110117104023	MOHAMED EJLAL A	/	/	/	/	/	/	a	/	/	/	a	/	/	/	/	/	/	/
11	110117104030	MOHAMED SHEIK RABIS S	a	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	a	/
12	110117104031	MOHAMED THANVEER M	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	110117104032	MOHAMED YAMEEN Z	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
14	110117104035	MOHAMMED JUFFRI M	/	/	a	/	/	a	/	/	a	/	/	a	/	/	/	/	/	/
15	110117104038	MOHAMMED RAFEEQ K	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
16	110117104039	MOHAMMED THAHSEEN N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI, IAF, MUTHAPUDUPET
CHENNAI 600 045

17	110117104041	MUBARAK BASHA H	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	110117104042	MUHAMED NOORUL AMEEN M R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	110117104045	NOOR E ARSHIYA C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	110117104046	NOOR MUHAMMED M G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	110117104047	RASIKA NANDKISHOR MANKAR	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	110117104048	RIFAT MOHAMMED T R	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	110117104049	RIYAZ ALI F	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	110117104050	SAFIN SIRAJ A	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	110117104051	SAMRA FATHIMA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	110117104053	SANDHIYA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	110117104055	SIRISHMA N	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	110117104057	SWATHI N	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29	110117104058	SYED WASIM AHAMED T	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30	110117104002	ABDUL SATHAR A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31	110117104008	AMJATH ASHIFA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	110117104010	CHOKKAPU GANESH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33	110117104011	DIVYA M	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	110117104013	HAROON S B	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	110117104014	HASAN ABDUL KADER J K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	110117104018	MAHESHKALA P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37	110117104019	MAJITH AL RASHEETH A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

PRINCIPAL
 AAMIN MUHAMMED SALEGI
 COLLEGE OF ENGINEERING
 AVADI, IAF, MUTHAPUDUPET
 CHENNAI 600 045

38	110117104020	MARWAN J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/
39	110117104024	MOHAMED HARISH M	/	/	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/
40	110117104025	MOHAMED IMRAN M	/	/	/	/	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/
41	110117104026	MOHAMED JUNAID M	a	/	/	/	/	/	/	/	/	a	/	/	/	a	/	/	/	/	/
42	110117104027	MOHAMED MATHEEN S	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43	110117104029	MOHAMED RASHAD J	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/
44	110117104033	MOHAMMED AZARUDIN A	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/
45	110117104034	MOHAMMED FALLIL	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
46	110117104036	MOHAMMED MOHSIN KHAN	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
47	110117104037	MOHAMMED MUSTHAFA AFRUDEEN S	a	/	/	/	/	a	/	/	/	a	/	/	/	/	/	/	/	/	/
48	110117104040	MOHAMMED ZAID AHMED	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
49	110117104043	MUZAFFAR M	/	/	a	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/
50	110117104052	SANDHIYA G	a	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
51	110117104054	SHAHIDH AFSHAR M	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	a
52	110117104056	SUMAN RAJ R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/
53	110117104059	TAJAMUL ARAFATH V P	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
54	110117104060	VELPRASANTH P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/
55	110117104501	SAJJAATH A S	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
56	110117104502	MOHAMMED NADHIM S	/	/	/	/	/	a	/	a	/	/	/	/	/	/	/	/	/	/	/
57	110117104701	FAKIHA RUBAB S	/	/	/	/	/	/	a	/	/	a	/	/	/	a	/	/	/	/	/

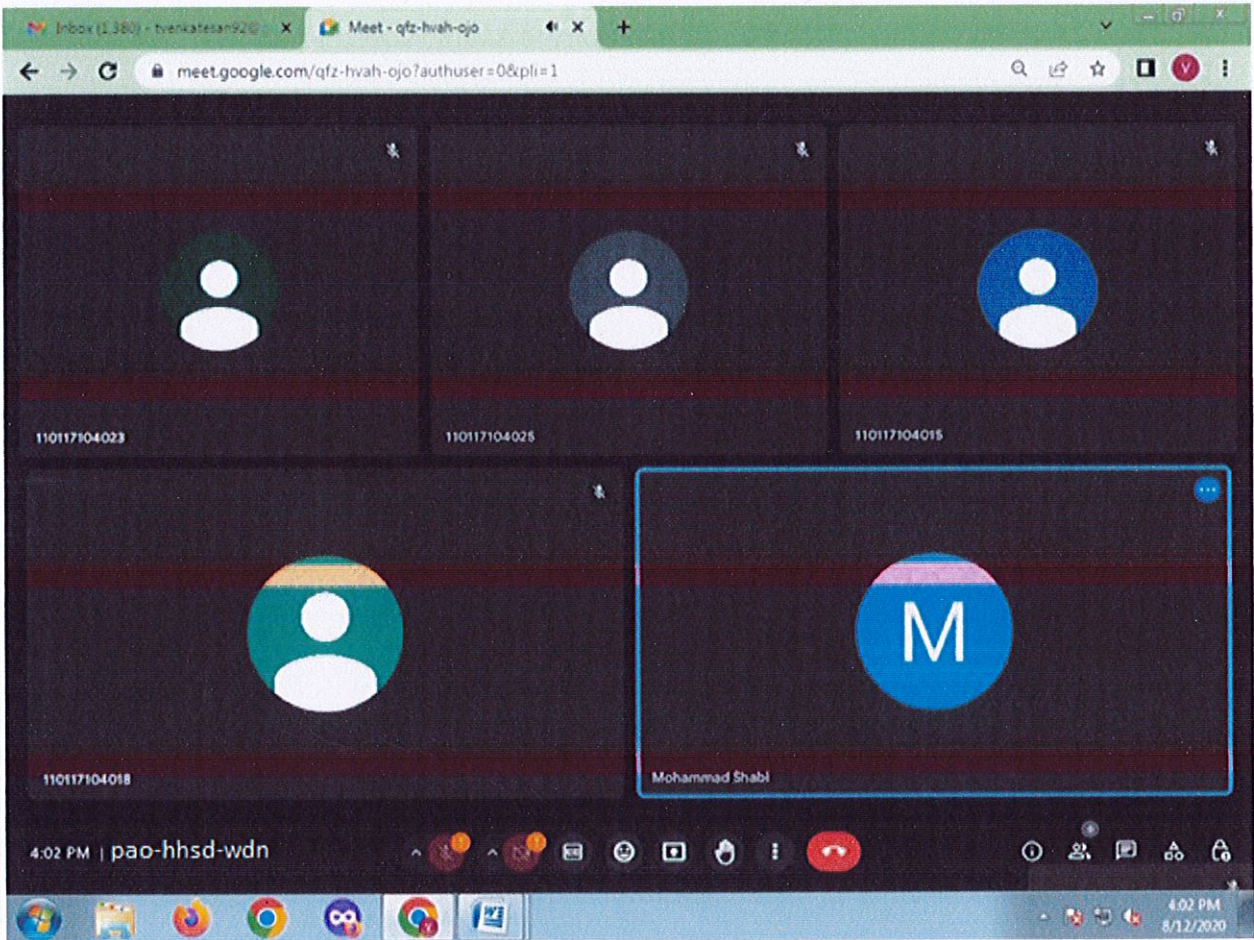

PRINCIPAL
AALIM MUHAMMED SALEG
COLLEGE OF ENGINEERING
AVADI, IAF, MUTHAPUDUPET
CHENNAI 600 045



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
AVADI – IAF, CHENNAI -55
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



ACADEMIC YEAR: 2020-2021
COURSE NAME: CLOUD INFRASTRUCTURE (AWS)



[Handwritten Signature]
PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING



ifelse
technologies

Certificate No:202002

DATE:05-09-2020

CERTIFICATE OF COMPLETION


This certificate is awarded to **AFREENFATHIMA A** (Reg No:110117104003) for completing the value-added Course **Cloud Infrastructure (AWS)** Conducted from 12th August 2020 to 05th Sep 2020.

A handwritten signature in blue ink, appearing to read 'Shabi'.

Mohammed Shabi

HR-Team-If else technologies




PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING



ifelse
technologies

Certificate No:202003

DATE:05-09-2020

CERTIFICATE OF COMPLETION

This certificate is awarded to AHAMED RIYAZ M (Reg No:110117104004) for completing the value-added Course **Cloud Infrastructure (AWS)** Conducted from 12th August 2020 to 05th Sep 2020.

Mohammed Shabi

HR-Team-If else technologies




PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING



ifelse
technologies

Certificate No:202004

DATE:05-09-2020


CERTIFICATE OF COMPLETION

This certificate is awarded to AHMED SUFYAN M (Reg No:110117104005) for completing the value-added Course **Cloud Infrastructure (AWS)** Conducted from 12th August 2020 to 05th Sep 2020.

Mohammed Shabi

HR-Team-If else technologies




PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING



ifelse
technologies

Certificate No:202005

DATE:05-09-2020


CERTIFICATE OF COMPLETION

This certificate is awarded to AKIF ABDUL AZEEM (Reg No:110117104006) for completing the value-added Course **Cloud Infrastructure (AWS)** Conducted from 12th August 2020 to 05th Sep 2020.

Mohammed Shabi

HR-Team-If else technologies




PRINCIPAL
AALIM MUHAMMAD SALEGH
COLLEGE OF ENGINEERING