



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



STUDENT CIRCULAR

Date: 10-08-2021

The Department of Computer Science and Engineering plans to conduct a Value Added Course on “**CLOUD COMPUTING**” by “**Ms. S.TAMIL SELVI, M/s Chase Technologies**”, for the benefit of III year B.E CSE Students. This Course is Scheduled from **18-08-2021 to 25-09-2021** at **4.00 PM to 5.10 PM** for **32 hours(4 weeks)**. All students must attend all online classes without fail. Students who complete the course successfully with 75% attendance & 50% marks in Quiz will get e-certificates.

HOD/CSE

HEAD
Computer Science & Engineering
Aalim Muhammed Salegh
College of Engineering

Copy to:
Principal
IQAC
Resource Person: S. Tamil Selvi
III year B.E CSE Students Whatsapp Group
CSE Faculty Members
Hostel/Transport Supervisor
Campus Manager
Campus Engineer



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Approved by AICTE and Affiliated to Anna University Chennai



TNEA Counselling CODE: **1101**

Department of Computer Science and Engineering
organizes

Value added Course

CLOUD COMPUTING

For -III Years Students

Meet link: meet.google.com/ter-yxnq-sez

RESOURCE PERSON

Mrs. Tamil Selvi

M/S Chase Technologies

FROM:

18-08-2021 TO 25-09-2021

TIME:

4:00pm TO 5:10pm

Ass.Prof G.Sulthana Begum
HOD/CSE

Prof.Dr.Afzal Ali Baig
Principal

Alhaj S Segu Jamaludeen
Secretary & Correspondent

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IAF-AVADI, CHENNAI - 55
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



VALUE-ADDED COURSE- SUMMARY REPORT

COURSE NAME: CLOUD COMPUTING

Date: 18-08-2021 to 25-09-2021

Time: 4.00 P.M to 5.10 P.M

Mode of Conduction : Online

Speaker: Mr. S.Tamil Selvi

Students Certified: 85

No.of Hours: 32

No.of Modules: 4

Objective of the Course:

- Understand the fundamentals of cloud computing.
- Explore different cloud service models (IaaS, PaaS, SaaS).
- Learn about major cloud service providers (AWS, Azure, Google Cloud).
- Develop skills in cloud deployment and management.
- Address security and compliance issues in the cloud.

Summary of the course :

A total of Students were Participated and got introduced with Cloud Computing. The students will learn, analyze and evaluate the cloud computing needs of an organization.

Course Outcomes:

Upon successful completion of this course, students should be able to:

- To explain the core concepts and characteristics of cloud computing, including its history and evolution.
- Distinguish between different cloud deployment models (public, private, hybrid) and service models (IaaS, PaaS, SaaS).



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- Compare and contrast the offerings of major cloud service providers (AWS, Azure, Google Cloud) and evaluate their suitability for various business needs.
- Create a basic cloud architecture for a given use case, incorporating appropriate service models and deployment strategies.
- Identify security risks associated with cloud computing and apply best practices for securing cloud environments, including compliance with relevant regulations.
- Use cloud management tools to monitor, optimize, and manage resources effectively, including cost management techniques.
- Demonstrate familiarity with development tools and methodologies related to cloud computing, including DevOps practices and CI/CD pipelines.
- Discuss emerging trends in cloud computing, such as serverless architecture, edge computing, and the integration of AI and machine learning services.
- Collaborate effectively in teams to design and present a cloud-based solution, demonstrating problem-solving and project management skills.
- Analyze and predict future developments in cloud technology and its impact on businesses and industries.

Prabha
25/09/21

COURSE COORDINATOR



Sheeraj
25/09/21

HOD/CSE

HEAD
Computer Science & Engineering
Aalim Muhammed Salegh
College of Engineering

MZ
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COLLEGE OF ENGINEERING

From

Date: 10-08-2021

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 Computing"- Reg.

Respected Sir,

We would like to arrange a Value-Added Course on the title "Cloud Computing" for third-year CSE students. The Course will be conducted by "Ms. S.Tamil Selvi", M/s Chase Technologies. The Value-Added Course will be conducted from 18.08.2021 to 25.09.2021. So we kindly request you to provide approval for the same.

Thanking you

Yours Faithfully

[Signature]
10/08/21
HOD/CSE

permitted

[Signature]
10/8/21

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AVADI - IAF, MUTHAPUDUPET
CHENNAI 600 055



[Signature]
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IAF-AVADI, CHENNAI - 55

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Value Added Course Details

Course Name: CLOUD COMPUTING

Date : 18/08/2021 to 25/09/2021

S.NO	Content	Total Hours/Week
1	<p>Module 01 – Introduction to Cloud Computing</p> <ul style="list-style-type: none">• Definition and History of Cloud Computing. Types of Cloud Models: Public, Private, Hybrid, and Community Clouds• Benefits and Challenges of Cloud Computing• Overview of IaaS, PaaS, and SaaS. Use Cases and Examples. Comparison of Different Service Models• Overview of AWS, Azure, Google Cloud, and others. Key Features and Services of Each Provider. Pricing Models and Cost Management	8
2	<p>Module 02 – Cloud Architecture</p> <ul style="list-style-type: none">• Cloud Infrastructure Components.• Virtualization and its Role in Cloud Computing.• Designing Cloud Solutions.• Cloud Deployment Strategies. Migration to the Cloud: Strategies and Tools• Case Studies of Successful Cloud Deployment. Security Challenges in Cloud Computing• Best Practices for Securing Cloud Environments• Compliance Standards and Regulations (GDPR, HIPAA)	8




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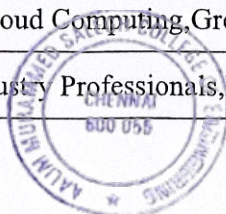
3	<p>Module 03 – Cloud Development and advanced topics</p> <ul style="list-style-type: none"> ● Tools for Cloud Management ● Performance Monitoring and Optimization ● Cost Management and Resource Allocation ● Introduction to DevOps in the Cloud ● CI/CD Pipelines and Automation ● Containerization and Orchestration (Docker, Kubernetes) ● Serverless Computing. Edge Computing ● Cloud AI and Machine Learning Services 	8
4	<p>Module 04 – Real time Applications and the future trends</p> <ul style="list-style-type: none"> ● Industry Use Cases of Cloud Computing ● Group Projects: Design a Cloud-Based Solution ● Guest Lectures from Industry Professionals ● Emerging Technologies in Cloud ● Impact of AI and Big Data on Cloud Services ● Predictions for the Future of Cloud Computing 	8
Total Hours		32




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**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING****IAF-AVADI, CHENNAI - 55****DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING****COURSE NAME: CLOUD COMPUTING****TIMING: 4.00 P.M TO 5.10 PM**

S.No	DATE	COURSE CONTENT
1	18/08/2021	Introduction to Cloud Computing
2	19/08/2021	Definition and History of Cloud Computing. Types of Cloud Models: Public, Private, Hybrid, and Community Clouds
3	23/08/2021	Benefits and Challenges of Cloud Computing
4	24/08/2021	Overview of IaaS, PaaS, and SaaS. Use Cases and Examples. Comparison of Different Service Models
5	25/08/2021	Overview of AWS, Azure, Google Cloud, and others.
6	26/08/2021	Key Features and Services of Each Provider. Pricing Models and Cost Management
7	27/08/2021	Cloud Infrastructure Components
8	28/08/2021	Virtualization and its Role in Cloud Computing.
9	31/08/2021	Designing Cloud Solution
10	01/09/2021	Cloud Deployment Strategies. Migration to the Cloud: Strategies and Tool
11	02/09/2021	Migration to the Cloud: Strategies and Tool
12	03/09/2021	Case Studies of Successful Cloud Deployment.
13	06/09/2021	Case Studies of Successful Cloud Deployment.
14	07/09/2021	Best Practices for Securing Cloud Environments
15	08/09/2021	Compliance Standards and Regulations (GDPR, HIPAA)
16	09/09/2021	Tools for Cloud Management, Performance Monitoring and Optimization
17	11/09/2021	Cost Management and Resource Allocation
18	13/09/2021	Introduction to DevOps in the Cloud, CI/CD Pipelines and Automation
19	14/09/2021	Containerization and Orchestration (Docker, Kubernetes), Serverless Computing. Edge Computing
20	15/09/2021	Serverless Computing. Edge Computing
21	16/09/2021	Cloud AI and Machine Learning Services
22	17/09/2021	Serverless Computing. Edge Computing, Cloud AI and Machine Learning Services
23	20/09/2021	Real time Applications and the future trends
24	21/09/2021	Industry Use Cases of Cloud Computing. Group Projects: Design a Cloud-Based Solution
25	22/09/2021	Guest Lectures from Industry Professionals, Emerging Technologies in Cloud

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26	23/09/2021	Impact of AI and Big Data on Cloud Services
27	24/09/2021	Predictions for the Future of Cloud Computing
28	25/09/2021	Compliance Standards and Regulations (GDPR, HIPAA)

Prabha
10/8/21.




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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
STUDENT NAME LIST
ACADEMIC YEAR (2021-2022)
YEAR: III
BATCH (2019-2023)



COURSE NAME: CLOUD COMPUTING

S.No	REG.NO	Name of the Student	18/9	19/9	20/9	21/9	22/9	23/9	24/9	25/9	26/9	27/9	28/9	29/9	30/9	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	13/10	14/10	15/10	16/10	17/10	18/10	19/10	20/10	21/10	22/10	23/10	24/10	25/10				
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2	110119104002	ABDULLAH SYED ISMAIL	/	a	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/			
3	110119104003	ABDUL MUIZZ A	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/			
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6	110119104006	AHAMEDULLAH JAVITH A	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
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9	110119104009	AMEER KHAN	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
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13	110119104013	ASWAD SHEERAAZ S	/	/	/	/	/	/	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
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15	110119104015	AZEEM AHMED U	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
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20	110119104020	HASHAAN ADEEN T K	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	
21	110119104021	HISHAM ISMAIL V A	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/
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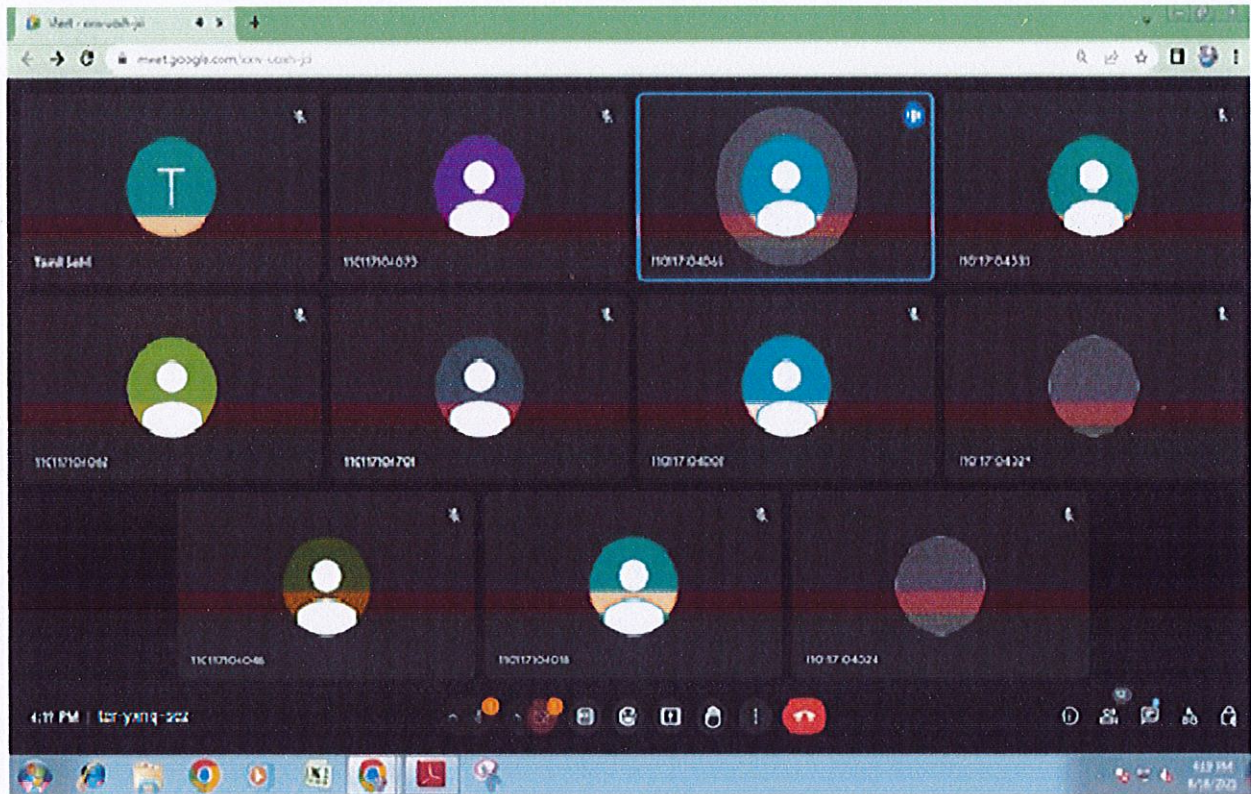
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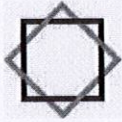
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR: 2021-2022

COURSE NAME: CLOUD COMPUTING



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CHASE TECHNOLOGIES

Chase Technologies

Certificate No. 2021001

R&D-Manager

Date: 25-09-2021

CERTIFICATE OF COMPLETION

This certificate is awarded to ABDULLAH T(Reg. No:110119104001) for completing the value-added Course **Cloud Computing** Conducted from 18th August 2021 to 25th Sep 2021.



Manager-R&D Wing



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R&D-Manager

Certificate No. 2021002

Date: 25-09-2021

CERTIFICATE OF COMPLETION

This certificate is awarded to ABDULLAH SYED ISMAIL(Reg. No:110119104002) for completing the value-added Course **Cloud Computing** Conducted from 18th August 2021 to 25th Sep 2021.



Manager-R&D Wing



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Chase Technologies

R&D-Manager

Certificate No. 2021003

Date: 25-09-2021

CERTIFICATE OF COMPLETION

This certificate is awarded to ABDUL MUIZZ A(Reg. No:110119104003) for completing the value-added Course **Cloud Computing** Conducted from 18th August 2021 to 25th Sep 2021.



Manager-R&D Wing



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Certificate No. 2021004

R&D-Manager

Date: 25-09-2021

CERTIFICATE OF COMPLETION

This certificate is awarded to ADNAN SHARIQ P(Reg. No:110119104004) for completing the value-added Course **Cloud Computing** Conducted from 18th August 2021 to 25th Sep 2021.



Manager-R&D Wing



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