Date: 06.03.2021.

To

The principal

Aditya College of Engineering & Technology

Surampalem

Respected sir,

[Through Head of the Department]

Sub: Request for your approval to organize a certification course on "AWS ACADEMY CLOUD FOUNDATIONS" – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Information Technology would like to train our B.Techstudents in the **AWS ACADEMY CLOUD FOUNDATIONS**adapted initially, with the help of our staff; as the present the world advancements in system administrating process it is necessary to enhance the skills on coding .It will be more helpful to the students in theoretical and technical point of view. In this regard we are requesting your permission for further proceedings.

Resource Person   :   Mr. P Surendra

                                            Assistant Professor

Honorarium   :   Rs. 10000/-

forwarded to The Principal

Course Coordinator

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM- 533 437

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Department of Information Technology

Date: 09.03.2021

CIRCULAR

All the B.Techstudents are here by informed that atwo-week program is arranged to enhance the knowledge onAWS ACADEMY CLOUD FOUNDATIONS, as per the schedule from 5th April,2021. All interested students can attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: Mr. CH. S.V.V.S.N. MURTHY
+91 9000543852

Head of the Department

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Department of Information Technology

AWS Academic Cloud Foundations Syllabus

1. Introduction to AWS Academy Cloud Foundations, Introduction to Cloud Computing, Six Advantages of Cloud Computing, Amazon Web Services (AWS), The AWS Cloud Adoption Framework (CAF)

2. Introduction to Cloud Economics, Introduction to the AWS Infrastructure, AWS Global Infrastructure,

3. Introduction to Core Services, Compute Services Overview, Introduction to Amazon Elastic Compute Cloud (EC2), Amazon EC2 Cost Optimization

4. Introduction to AWS Lambda, Introduction to AWS Elastic Beanstalk, Amazon Elastic Block Store (EBS), Amazon Simple Storage Service (S3), Amazon Elastic File System (EFS)

5. Amazon Glacier, Amazon Virtual Private Cloud (VPC), Amazon VPC Security Groups, AmazonCloudFront, Amazon Relational Database Service (RDS), Amazon DynamoDB, Amazon Redshift

6. Amazon Aurora, Elastic Load Balancing (ELB), Amazon CloudWatch, Auto Scaling

7. Balancing, Scaling, and Monitoring, Introduction to Cloud Security, AWS Identity and Access Management (IAM), AWS CloudTrail,

8. AWS Security and Compliance Programs, AWS Security Resources, AWS Shared Responsibility Model, AWS Identity and Access Management (IAM).

Course Coordinator

Head of the Department

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Schedule of AWS Academic Cloud Foundations:

Day-1:

FN — Inauguration of the Program and speakers talk about the objectives of the event.

AN — Introduction to AWS Academy Cloud Foundations, Introduction to Cloud Computing, Six Advantages of Cloud Computing, Amazon Web Services (AWS), The AWS Cloud Adoption Framework (CAF)

Day-2:

FN — Introduction to Cloud Economics, Introduction to the AWS Infrastructure, AWS Global Infrastructure,

AN — Introduction to Core Services, Compute Services Overview, Introduction to Amazon Elastic Compute Cloud (EC2), Amazon EC2 Cost Optimization

Day-3:

FN — Introduction to AWS Lambda, Introduction to AWS Elastic Beanstalk, Amazon Elastic Block Store (EBS),

AN — Amazon Simple Storage Service (S3), Amazon Elastic File System (EFS)

Day-4:

FN — Amazon Glacier, Amazon Virtual Private Cloud (VPC), Amazon VPC Security Groups, AmazonCloudFront,

AN — Amazon Relational Database Service (RDS), Amazon DynamoDB, Amazon Redshift

Day-5:

FN — Amazon Aurora, Elastic Load Balancing (ELB), Amazon CloudWatch, Auto Scaling

AN — Balancing, Scaling, and Monitoring, Introduction to Cloud Security, AWS Identity and Access Management (IAM), AWS CloudTrail,

Day-6:

FN — AWS Security and Compliance Programs, AWS Security Resources, AWS Shared Responsibility Model, AWS Identity and Access Management (IAM).

AN — Valedictory

Course Coordinator

Head of the Department

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