



## ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to JNTUK, Kakinada \* Approved by AICTE, New Delhi \* Accredited by NAAC

Recognized by UGC Under section 2(f) and 12 (B) of UGC Act 1956

ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

### Department of Computer Science Engineering

Date: 11.06.2019.

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 Sys Ops" – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Computer Science Engineering would like to train our B.Tech students in the **AWS Sys Ops** adapted initially, with the help of our staff; as the present Scenario in the world is focused of cyber security. 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. D Raj Kumar  
Assistant Professor  
Honorarium : Rs. 8000/-

*forward to principal  
on 11.06.2019*

  
Course Coordinator

  
PRINCIPAL  
Aditya College of  
Engineering & Technology  
SURAMPALEM- 533 437



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### Department of Computer Science Engineering

Date: 13.06.2019

### CIRCULAR

All the B.Tech students are hereby informed that a one-week program is arranged to enhance the knowledge on **AWS Sys Ops**, as per the schedule from 22<sup>nd</sup> July, 2019. All interested students can attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: Mr. Dr. RAYI SAILAJA  
+919550996586

  
**Head of the Department**

  
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#### Schedule of AWS Sys Ops:

##### Day-1:

- FN Inauguration of the Program and speakers talk about the objectives of the event
- AN Create and maintain metrics and alarms utilizing AWS monitoring services, Recognize and differentiate performance and availability metrics.

##### Day-2:

- FN Implement scalability and elasticity based on use case
- AN Recognize and differentiate highly available and resilient environments on AWS

##### Day-3:

- FN Identify and execute steps required to provision cloud resources.
- AN Identify and remediate deployment issues

##### Day-4:

- FN Create and manage data retention
- AN Identify and implement data protection, encryption, and capacity planning needs

##### Day-5:

- FN Implement and manage security policies on AWS, implement access controls when using AWS
- AN The shared responsibility models

##### Day-6:

- FN Apply AWS networking features, implement connectivity services of AWS, Gather and interpret relevant information for network troubleshooting
- AN Use AWS services and features to manage and assess resource utilization

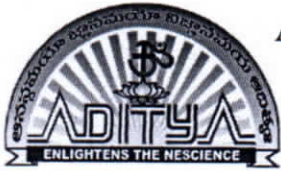
##### Day-7:

- FN Employ cost-optimization strategies for efficient resource utilization, automate manual or repeatable process to minimize management overhead
- AN Valedictory

  
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## Department of Computer Science Engineering

### AWS Sys OpsSyllabus

Monitoring and Reporting

High Availability

Deployment and Provisioning

Storage and Data Management

Security and Compliance

Networking

Automation and Optimization

Course Coordinator

Head of the Department

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