

# AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to J.N.T.U-GV, Vizianagaram)

NAAC "B++" Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist) -531162.

www.aietta.ac.in, [principal@aietta.ac.in](mailto:principal@aietta.ac.in)

Department of CSE – Data Science, Artificial Intelligence & Machine Learning

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## ONE WEEK NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAM

### on Cloud Infrastructure

"Unlock Your Potential with AWS FDP: Empowering Faculty for Future Success!"

Organized By

Department of Computer Science & Engineering  
-Data Science,Artificial Intelligence & Machine Learning

In Association with



Chief Guest

**Dr. Buddha Chandrashekar**

Chief Coordinating Officer - All India Council of Technical Education

Register Now ~~999/-~~ Rs.09/-

<https://rzp.io/l/zdCePf8s>



21st to 25th, August 2023

07:00 PM to 08:00 PM

#### Coordinators

Mr. D.Kiran Kumar  
Asst.Professor-CSE-DS,AI&ML  
Mrs. A.Swathi  
Asst.Professor-CSE

#### Conveners

Mrs. P.Srilakshmi  
Associate Professor ,  
HOD - CSE-DS,AI&ML  
Dr. G. Satyanarayana  
Professor and HOD-CSE

#### Patrons

Dr.B.Murali Krishna  
Principal  
Dr.A.Chandra sekhar  
Director-HR



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## Invitation

Dear Professors,

Greetings from Avanthi Institute Of Engineering and Technology Department of CSE - DS, AI&ML. We welcome you all for One week Virtual National Level FDP on “CLOUD INFRASTRUCTURE”, in association with All India Council for Technical Education (AICTE), MINISTRY OF EDUCATION AWS and BRAIN O VISION, scheduled from 21st to 25th August 2023.

**Timings: 7.00 pm to 8.00 pm.**

Kindly Join us and gain Knowledge.

**Registration Link:**

<https://rzp.io/l/zdCePf8s>

**NOTE:** While registering Choose Host College name as Avanthi Institute of Engineering and Technology.

Follow this link to join CLOUD INFRASTRUCTURE

**WhatsApp group:**

<https://chat.whatsapp.com/C9vTuxzljE11gcIDjv9SbL>

**Registration Fee: Rs. 09 per Participant.**

**E-Certificates will be issued to all Participants on successful completion of the FDP**

**For further Queries Contact:**

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+919490306561

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## TOPICS

Dear Sir/Madam,

We are pleased to present a comprehensive 5-day program, with each session spanning 60 to 90 minutes daily. The program covers a wide range of valuable content, designed to empower participants in understanding and utilizing Cloud Infrastructure, specifically AWS (Amazon Web Services).

Feel free to utilize the following breakdown to create your own brochures:

### **Day 1:**

1. Introduction to Cloud Infrastructure (AWS)
2. What is Cloud and Cloud Computing?
3. Why and What companies are using AWS?
4. Overview of AWS Services
5. AWS Global Infrastructure
6. AWS Pricing

### **Day 2:**

1. What is EC2?
2. Unix and Linux Flavors
3. AWS Terminology
4. Creating Windows Instance & connect
5. Creating Linux Instance & connect
6. How to create both Windows and Linux Instances using a single Key Pair and Security group?

### **Day 3:**

1. Web Server and Linux Commands
2. How to launch a webserver using bash?

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## Day 4:

1. What is a Load Balancer?
2. Purpose of Load Balancer
3. Creating a Load Balancer
4. Proven purposes of Load Balancer

## Day 5:

1. What is ASG (Auto Scaling Group) and why do we use it?
2. How to create Launch Template?
3. How to create Auto Scaling Groups?

**Additionally, we'll cover the following essential topics throughout the program:**

1. Status Checks
2. Protection from accidental Termination
3. Encryption
4. Scaling IN and OUT
5. Scaling UP and DOWN
6. Types of Volumes
7. How to Attach & Detach a Volume?
8. How to copy AMI (Amazon Machine Image)?
9. How to copy Snapshots?

We're excited to provide you with valuable insights into AWS and Cloud Infrastructure, helping you gain the knowledge and skills needed in today's technological landscape.

Best regards.