

**THREE DAYS NATIONAL LEVEL
FACULTY DEVELOPMENT PROGRAM**

On

“Cloud Computing Platforms & It’s Services”

27th- 28th February 1st March 2025

Organized By

Shanti Education Society’s

A.G.PATIL INSTITUTE OF TECHNOLOGY, SOLAPUR

Department of Computer Engineering

In Collaboration with

Automatic

Automatic Infotech (AI) Technologies Pvt Ltd, Pune



Shanti Education Society’s

A.G.PATIL INSTITUTE OF TECHNOLOGY, SOLAPUR

Faculty Development Program Brochure

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Shri. Siddheshwar A. Patil
President, Shanti Education Society, Solapur (M.S.)

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Campus Director A. G. Patil Institutes, Solapur (M.S.)

PATRON

Mr Amit Kulkarni
CEO Automatic Infotech (AI) Technologies Pvt Ltd

CHAIR PERSON

Dr. V. V. Potdar
Principal, AGPIT, Solapur (M.S.)

CONVENOR

Prof. S. V. Kulkarni
Associate Professor & Head of
Computer Engineering Department

ORGANIZING COMMITTEE

Prof. M. N. Deshmukh **Prof. P. B. Kulkarni**
Assistant Professor Assistant Professor

Prof. A. B. Hannure **Prof. A. S. Patil**
Assistant Professor Assistant Professor

Prof. D. P. Sulgavkar **Prof. T. V. Patil**
Assistant Professor Assistant Professor

CO-ORDINATOR

Prof. A. B. Valsang **Prof. A. P. Hosale**
Assistant Professor Assistant Professor
8806562669 8861598097

E-mail: hodcse@agpit.edu.in

No Registration Fees.

"Certificate" will be provided to participants
whose Attendance will be above 80%.

Venue

Internet Lab (3rd Floor), Dept. of Computer Engineering.

Three Days National Level

FACULTY DEVELOPMENT PROGRAM

ON

"CLOUD COMPUTING PLATFORMS & IT'S SERVICES"

27, 28 Feb, & 1st March 2025.

Time : 10.30am to 1.30pm & 2.30pm to 5.30pm

Organized by

Shanti Education Society's

**A. G. PATIL INSTITUTE
OF TECHNOLOGY, SOLAPUR**

Department of Computer Engineering

In Collaboration with

Automatic

Automatic Infotech (AI)
Technologies Pvt Ltd.



Shanti Education Society's

**A. G. PATIL INSTITUTE
OF TECHNOLOGY, SOLAPUR**

(NAAC ACCREDITED 2nd cycle)
AFFILIATED TO DBATU, LONERE

18(2/2A)2, Pratap Nagar, Vijapur Road, Opp. SRP Camp,
SOLAPUR - 413 008. (MAHARASHTRA) Tel.: 0217-2342499
www.agpit.edu.in



ABOUT THE INSTITUTE

Institute established in 2008 under Shanti Education society with revolutionary ideas and ample innovativeness to Technology in Solapur region. Institute is approved by AICTE New Delhi & DTE, Mumbai, affiliated to DBATU, Lonere. Institute offers UG programs in Computer, Civil, EnTC and Mech. Engg.

The Campus is sprawling over 15 acres located on the outskirts of Solapur with beautiful landscapes, state of art Auditorium, Seminar Halls, Library Computer Centre with internet connectivity, hostel, indoor outdoor Sports facilities, Highly Qualified & Experienced staff, Spacious ventilated & Modern classrooms with latest Teaching aids, Well equipped laboratories with latest equipments and advanced machineries in workshop with CNC Machines, Wi-Fi connectivity, Training for students, CCTV surveillance, Industry institute interaction with Campus placement by reputed companies, Entrepreneurship Cell and Bus Facility.

INSTITUTE VISION

International Standing in Technical Education and Research, contributing towards Improvement and Empowerment of Society, Country and in turn, Mankind

INSTITUTE MISSION

- To develop technically sound and globally accepted professionals.
- To enhance capability of updating with cutting edge technologies and innovative research ideas.
- To make aware of social commitments and highest ethical values as inner strength for upliftment of mankind.
- To needlecraft career oriented courses and interactive teaching-learning process.

ABOUT DEPARTMENT

The Department of Computer Engineering is committed to Produce top class software and hardware Professionals through academic excellence and quality education. The department has developed excellent laboratories equipped with all recent software and hardware. To support extensive academics and other activities of the Department an Association of Computer Engineering Students (ACES) has been formed. To conduct useful courses and technical seminars as per the present demand of industries.

To organise various activities like Programming Contest, Technical Quiz, Debate Competition, Personality Contest etc. These not only enhances the technical abilities and knowledge of the students but also develop the students overall personality.

ABOUT FDP

This faculty development program aims to achieve the following objectives

Designed to educate and up skill faculty members in the field of information technology

Allowing them to incorporate cloud-based technologies into their teaching and research activities

Covering aspects like cloud infrastructure, services (IaaS, PaaS, SaaS), security, data analytics, and deployment models on major cloud platforms like AWS, Azure, and Google Cloud.

RESOURCE PERSONS

- **Prof. Prachi Surve**
Sr. Subject Matter Expert (AWS, Database)
Bloomzen Infosolutions PVT Ltd
- **Mr. Sharad Tulshiram Karnekar**
Bloomzen Infosolutions PVT Ltd

WHO CAN ATTEND

Faculties from Engineering and Polytechnic Institutes Approved by AICTE, New Delhi.

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Session Wise Schedule



Three Days National Level
Faculty Development Program

On

"Cloud Computing Platform & its Services"

(from 27th Feb to 1st March 2025)

Day1 - 27 February 2025, Thursday		
10:00AM - 10:15AM	Inauguration	
10:30AM - 12:00PM	Session 1	Introduction to cloud AWS Basics
12:00 PM - 01:30 PM	Session 2	Domains of AWS (Amazon EC2 and Amazon Beanstalk)
01:30 PM - 02:30 PM Lunch Break		
02:30 PM - 04:00 PM	Session 3	AWS educate account creation
04:00 PM - 05:00 PM	Session 4	Cloud Migration (Amazon Snowball)
05:00 PM - 05:30 PM	Session 5	Quiz
Day 2 - 28 February 2025, Friday		
10:30AM - 12:00PM	Session 1	Security (IAM and KMS)
12:00 PM - 01:30 PM	Session 2	Storage
01:30 PM - 02:30 PM Lunch Break		
02:30 PM - 04:00 PM	Session 3	Amazon S3 and Buckets
04:00 PM - 05:00 PM	Session 4	Networking (VPC and Direct Connect)
05:00 PM - 05:30 PM	Session 5	Quiz
Day 3 - 1 March 2025, Saturday		
10:30AM - 12:00PM	Session 1	Database Aurora/ Dynamo DB/ RDBMS
12:00 PM - 01:30 PM	Session 2	Cloud Scaling and Load Balancing (Cloud Watch)
01:30 PM - 02:30 PM Lunch Break		
02:30 PM - 04:00 PM	Session 3	AWS DevOps
04:00 PM - 04:30 PM	Session 4	Quiz
04:30 PM - 05:00 PM		Valedictory Function

Sample Registration Form



Shanti Education Society's

A.G. PATIL INSTITUTE OF TECHNOLOGY, SOLAPUR.

Three Days National Level

Faculty Development Program

On

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(from 27th Feb to 1st March 2025)

REGISTRATION FORM

Organized by: A.G. Patil Institute of Technology, Computer Engg. Dept, Solapur.

Venue: Computer Engineering Department, Internet Lab

Date: 27th February 2025 to 1st March 2025

Personal Details

1. Full Name: Ms. Aishwarya Sudhir Kharoselkar
2. Designation: Lecturer
3. Department: Computer Engg.
4. Institution Name: A.G. Patil Polytechnic Institute.
5. Institution Address: Solapur.
6. Email ID: kharoselkarash@gmail.com
7. Mobile Number: 9834147368 / 7030494921
8. Area of Interest: Artificial Intelligence

Applicant Signature

List of Participants



Shanti Education Society's
A.G. PATIL INSTITUTE OF TECHNOLOGY, SOLAPUR.
Three Days National Level
Faculty Development Program
On
"Cloud Computing Paltform & its Services"
(from 27th Feb to 1st March 2025)

Faculty List

Sr.No	Faculty Name	Institute Name	Contact No.
1	Prof.S.V.Kulkarni	AGPIT	9420624370
2	Prof.A.B.Valsang	AGPIT	8806562669
3	Prof.M.N.Deshmukh	AGPIT	9637486041
4	Prof.A.B.Hannure	AGPIT	9175735961
5	Prof.P.B.Kulkarni	AGPIT	9113024075
6	Prof.A.P.Hosale	AGPIT	8861598097
7	Prof.A.S.Patil	AGPIT	8788535843
8	Prof.T.V.Patil	AGPIT	9764844971
9	Prof.D.P.Sulagaokar	AGPIT	7066890903
10	Prof.S.K.Konapure	AGPIT	9284243246
11	Prof.A.Malekar	AGPIT	7620414593
12	Prof.R.Baganagare	AGPIT	9834954324
13	Prof.S.Deshpande	AGPIT	9175307604
14	Prof.P.B.Sable	AGPIT	9921401647
15	Prof.N.P.Patil	AGPIT	7387237488
16	Prof.R.S.Katnalli	AGPIT	8431852935
17	Prof.S.S.Metagar	AGPIT	8275156370
18	Prof.S.Nandi	VVP	9767107153
19	Prof.B.S.Bukka	Sangmeshwar	9503337227
20	Prof.G.R.Kulkarni	SSWOE	9767107216
21	Prof.Tousif Patil	AGPPI	9975763967
22	Prof.A.K.Salunke	SSWOE	8007363330
23	Ms.Priyanka Baalerao		9834485060
24	Prof.V.Palmur	Sinhagad	88308466303
25	Prof.I.S.Kurapati	SVIT	7841991603
26	Ms.Mahadevi Bhorkar	VVP	9225780850
27	Mr.Prathamesh Birajdar	VVP	9922010305
28	Mrs.S.S.Rajmane	SES	9922733431
29	MS.S.G.Jadhav	SES	9284112679
30	Prof.Milind Kulkarni	AGPPI	9922720074
31	Mr.A.Khanzode	Renuka Infotech	9822380464
32	Prof. N.A.Goden	AGPPI	7757907151
33	Prof.S.L. Jadage	AGPPI	8408860416
34	Prof.A.S.Kharosekar	AGPPI	7030494921
35	Prof.J.C.Sachdev	AGPPI	8999825495
36	Prof.P.V.Gaikwad	AGPPI	9960719564
37	Prof.S.S.Gali	AGPPI	9423710218
38	Prof.Manish Katkar	VVP	9423072275
39	Prof. S.N.Shendge	VVP	9665150285
40	Prof.K.R.Mamdyal	AGPIT	9028853111
41	Prof. Mane S.P	AGPIT	9689968574

Invitation Letters



Shanti Education Society's

A.G. PATIL INSTITUTE OF TECHNOLOGY, SOLAPUR.

**Three Days National Level
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"Cloud Computing Platform & its Services"

(from 27th Feb to 1st March 2025)

AGPIT/FDP/2024-25/ 310

Date: 25/02/2025

To,
Mr. Amit Kulkarni,
CEO,
Automatic InfoTech Technologies Pvt. Ltd.
Pune.

**Subject: Invitation as a "Keynote Speaker" for Inaugural Function of FDP on
"Cloud Computing Platforms & its Services".**

Respected Sir,

We are one of the reputed Technical Institute in Solapur, running four years engineering courses in Computer Engineering, Mechanical Engineering, Civil Engineering and Electronics & Tele. Comm. Engineering.

We have arranged a "Faculty Development Program on Cloud Computing Platforms & Its Services". Under the aegis of "Automatic InfoTech Technologies Pvt. Ltd.". We have scheduled the Program from 27th February to 1st March, 2025.

The details of the session are as follows:

Venue: Internet Lab, Computer Engg. Dept. AGPIT.

Day & Date: 27th February, 2025.

Kindly accept our Invitation and guide the participants.

Thanking you.

Your's faithfully


Prof. S.V. Kulkarni
(FDP Convenor)
Mobile: +91 9420624370
Email: hodcse@agpit.edu.in




Dr. V.V. Potdar
(Principal)

Appreciation Letter of Key Note Speaker



Shanti Education Society's

A.G. PATIL INSTITUTE OF TECHNOLOGY, SOLAPUR.

**Three Days National Level
Faculty Development Program**

On

"Cloud Computing Platform & its Services"

(from 27th Feb to 1st March 2025)

To,

Mr. Amit Kulkarni,
CEO,
Automatic InfoTech Technologies Pvt. Ltd.
Pune.

Respected Sir,

On behalf of A.G. Patil Institute of Technology, Solapur, I would like to extend our heartfelt gratitude for your exceptional keynote address at the Faculty Development Program (FDP) on "Cloud Computing Platforms & its Services". Your session provided invaluable insights into the evolving landscape of cloud computing and its applications in the education sector.

Your expert knowledge, engaging presentation style, and real-world examples not only enriched the participants' understanding but also sparked new ideas and enthusiasm in exploring cloud technologies. The depth of your experience and your ability to communicate complex concepts in a clear and engaging manner truly made the session a highlight of the program.

We are confident that the knowledge shared by you will have a lasting impact on our faculty members and their approach to incorporating cloud computing platforms in their teaching and research. Your contribution has played a vital role in making the FDP a success, and we are sincerely thankful for your time and effort.

We hope that you will oblige us in other occasions as well.

Thanking you.

Your's faithfully,

Prof. S.V. Kulkarni
(HOD Computer Engineering)
Mobile: +91 9420624370
Email: hodcse@agpit.edu.in



Dr. V.V. Potdar
(Principal)

Invitation Letters



Shanti Education Society's

A. G. PATIL INSTITUTE OF TECHNOLOGY, SOLAPUR

Approved by A.I.C.T.E., New Delhi • Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere

NAAC ACCREDITED • ISO 9001 : 2015 Certified • DTE Code : EN6308

18/2/2 A, Pratap Nagar, Opp. SRP Camp, Vijapur Road, Solapur - 413 008 (Maharashtra)

• Ph.: 0217-2342499 • E-mail : contact@agpit.edu.in • Web : www.agpit.edu.in

AGPIT/FDP/2024-25/ 308

Date: 25/02/2025

To,
Mr. Sharad Tulshiram Karnekar,
Bloomzen Infosolutions Pvt. Ltd.
Thane.

Subject: Invitation as a "Guest" for FDP on "Cloud Computing Platforms & its Services".

Respected Sir,

We are one of the reputed Technical Institute in Solapur, running four years engineering courses in Computer Engineering, Mechanical Engineering, Civil Engineering and Electronics & Tele. Comm. Engineering.

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Thanking you.

Your's faithfully

Prof. S.V. Kulkarni

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Dr. V. V. Potdar
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AGPIT/FDP/2024-25/ 309

Date: 25/02/2025

To,
Prof. Prachi Surve,
Assistant Professor,
Deccan Education Society's
Navinchandra Mehta Institute of Technology & Development,
Dadar, West Mumbai.

Subject: Invitation as a "Expert" for FDP on "Cloud Computing Platforms & its Services".

Respected Madam,

We are one of the reputed Technical Institute in Solapur, running four years engineering courses in Computer Engineering, Mechanical Engineering, Civil Engineering and Electronics & Tele. Comm. Engineering.

We have arranged a "Faculty Development Program on Cloud Computing Platforms & It's Services". Under the aegis of "Automatic InfoTech Technologies Pvt. Ltd.". We have scheduled the Program from 27th February to 1st March, 2025.

The details of the session are as follows:
Venue: Internet Lab, Computer Engg. Dept. AGPIT.
Day & Date: 27th February to 1st March, 2025.

Kindly accept our Invitation and guide the participants.

Thanking you.

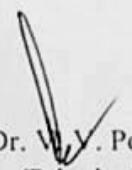
Your's faithfully


Prof. S.V. Kulkarni
(FDP Convenor)

Mobile: +91 9420624370

Email: hodcse@agpit.edu.in




Dr. W.Y. Potdar
(Principal)

Appreciation Letters of Speaker



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Ph.: 0217-2342499, 2343099 • E-mail : contact@agpit.edu.in • www.agpit.edu.in

Date: 2/03/2025

To,
Mr. Sharad Tulshiram Karnekar,
Bloomzen Infosolutions Pvt. Ltd.
Thane.

Respected Sir,


On behalf of A. G. Patil Institute of Technology Solapur, I would like to express our sincere gratitude for your valuable contribution as an expert in the Faculty Development Program (FDP) on "Cloud Computing Platforms & its Services". Your in-depth knowledge and insightful discussions on the topic were immensely beneficial to all the participants.

The sessions you conducted helped deepen our understanding of the latest advancements and practical applications of cloud computing. Your ability to break down complex concepts into digestible information, along with the examples you provided, was highly appreciated by all attendees.


The insights you shared have undoubtedly broadened the participants' perspectives on how cloud computing can enhance teaching and research. We are confident that the practical advice and expertise you offered will have a long-lasting impact on their professional growth and their approach to integrating cloud technologies.

Thanking you.

Your's faithfully.


21/3/25
Prof. S.V. Kulkarni
(HOD Computer Engineering)
Mobile: +91 9420624370
Email: hodcse@agpit.edu.in




Dr. V.V. Potdar
(Principal)



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Ph.: 0217-2342499, 2343099 • E-mail : contact@agpit.edu.in • www.agpit.edu.in

Date: 2/03/2025

To,
Prof. Prachi Surve,
Assistant Professor,
Deccan Education Society's
Navinchandra Mehta Institute of Technology & Development,
Dadar, West Mumbai.

Respected Madam,


On behalf of A. G. Patil Institute of Technology Solapur, I would like to express our sincere gratitude for your valuable contribution as an expert in the Faculty Development Program (FDP) on "Cloud Computing Platforms & its Services". Your in-depth knowledge and insightful discussions on the topic were immensely beneficial to all the participants.

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Thanking you.

Your's faithfully.


Prof. S.V. Kulkarni
(HOD Computer Engineering)
Mobile: +91 9420624370
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Dr. V.V. Potdar
(Principal)

Day wise Summary Report



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Summary Report of Day : 01

Inaugural Function

Time: 10:00am to 10:15am

Chief Guests: 1. Mr. Amit Kulkarni (CEO, Automatic Infotech (AI) Technologies Pvt Ltd)

2. Prof. Prachi Abhijeet Surve (Assistant Professor, Mehata Institute of Tech. Dadar)

The inauguration ceremony commenced with warm welcome extended to all participants, esteemed guests, faculty members and experts from various fields. It was an honour to have individuals dedicated to advancing education present at the event.

The program host Prof. A.P.Hosale initiated proceedings by introducing the theme and objectives of the Faculty Development Program. The focus was on learning cloud computing platforms and its services.

The convenor and Head of Computer Engineering Dept. Prof. S.V Kulkarni, the distinguished chief guest Mr. Amit Kulkarni and Principal of A.G.Patil Institute of Technology, Solapur Dr.V.V.Potdar , Campus Director of A.G.Patil Institute of Technology, Solapur Dr. M.A.Chougule emphasised the significance of the FDP in fostering a culture of continuous upgradation of faculties. They highlighted the importance of Cloud Computing in current era.

Mr. Amit Kulkarni (KeyNote Speaker, CEO, Automatic Infotech (AI) Technologies Pvt Ltd, Pune) has given the information about today's era innovation is a buzz word everywhere, Sir has highlighted the transformative potential of cloud technology emphasizing its ability to deliver on demand computing resources via the internet. Sir also focussed on the cloud computing service models (IaaS, Paas, SaaS), and deployment models (Public, Private and Hybrid). Sir has also highlighted the leading cloud platforms like Amazon Web services(AWS), Microsoft Azure, and Google Cloud Platform (GCP).

Day: 27/02/2025

Session No. 01

Topic: Introduction to Cloud AWS Basics

Time: 11.00 am to 01.30 pm

Speaker: Prof. Prachi Abhijeet Surve (Assistant Professor, Mehata Institute of Tech. Dadar)

The session was commenced with introduction of the speaker Prof. Prachi Abhijeet Surve.

The session on “Introduction to cloud Cloud and AWS Basics” provided participants with a fundamental understanding of cloud computing concepts and the core services offered by Amazon Web services (AWS). It aimed to build a strong foundation for learners to explore cloud technologies and leverage AWS for various computing needs.

Key Topics Covered:

1. Introduction to Cloud Computing

- Definition and importance of cloud computing.
- Key characteristics: Scalability, Elasticity, On-Demand, Availability.
- Cloud Deployment Models: Public, Private, Hybrid.
- Cloud Service Models: IaaS, PaaS, SaaS.

2. Overview of AWS

- Introduction to Amazon Web Services as a leading Cloud provider.
- AWS global Infrastructure: Regions, Availability Zones, Edge locations.
- Benefits of AWS: Cost efficiency, Security, Flexibility and Scalability.

3. Core AWS Services

- Compute Services: Amazon EC2, AWS Lambda
- Storage Services: Amazon S3, EBS, Glacier
- Database Services: Amazon RDS, DynamoDB
- Networking Services: VPC, Route53
- Security and Identity Management: IAM, CloudTrail

4. AWS Educate and Hands-On

- Overview of AWS free-tier and AWS Educate for learners
- Demonstration of AWS Management Console.

Session No. 02

Topic: Introduction to AWS Educate and Cloud Migration Using Amazon Snowball

Time: 2.30 pm to 5.00 pm

Speaker: Prof. Prachi Abhijeet Surve (Assistant Professor, Mehata Institute of Tech. Dadar)

Madam has started the First half of session by guiding participants through the process of setting up an AWS Educate account. It aimed to help participants to access AWS services for learning and experimentation with cloud computing.

Key Topics Covered:

1. Introduction to AWS Educate

- Overview of AWS Educate as a learning platform
- Benefits of AWS Educate for students and educators
- Differences between AWS Educate and AWS Free Tier

2. Steps for AWS Educate Account Creation

- Visiting the AWS Cloud Educate Portal
([aws.amazon.com/education/awseducate])(<https://aws.amazon.com/education/awseducate>))
- Choosing the appropriate role (Student or Educator)
- Registering with a valid educational email ID
- Providing necessary details such as institution name and course details
- Accepting AWS terms and conditions

3. Verification & Approval Process

- Email verification steps
- AWS Educate team approval process
- Expected time for account activation

4. Accessing AWS Educate

- Navigating the AWS Educate portal
- Exploring pre-configured classrooms and learning paths
- Hands-on labs and training resources available

During the second half, Madam continued the session on "Cloud Migration Using Amazon Snowball on AWS Educate" provided participants with an understanding of data migration to the AWS cloud using Amazon Snowball. The session covered the fundamentals of cloud migration, the role of Amazon Snowball in large-scale data transfer, and hands-on guidance through AWS Educate.

Key Topics Covered:

1. Introduction to Cloud Migration

- Importance of cloud migration for businesses and educational projects
- Challenges in migrating large datasets to the cloud
- Various AWS migration services: AWS Snowball, AWS DataSync, AWS Migration Hub

2. Hands-on with AWS Educate

- Navigating AWS Educate for learning cloud migration concepts
- Simulated labs demonstrating data transfer using Snowball
- Exploring cloud storage and migration best practices



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Summary Report of Day: 02

Day: 28/02/2025

Session No. 03

Topic: “Cloud Security using IAM and KMS” and “Cloud Storage using S3”

Time: 10.30 am to 1.30 pm

Speaker: Prof. Prachi Abhijeet Surve (Assistant Professor, Mehata Institute of Tech. Dadar)

Madam has started the First half of session by guiding participants to AWS security best practices, focusing on identity management and data encryption. The session covered how IAM controls access to AWS resources and how KMS secures sensitive data through encryption.

Key Topics Covered:

1. Introduction to AWS Security

- Importance of security and access control in the cloud
- Overview of AWS Shared Responsibility Model
- Role of IAM and KMS in securing AWS resources

2. Identity and Access Management (IAM)

- **What is IAM?**
 - IAM helps manage user authentication and authorization
- **Core IAM Features**
 - Users, Groups, Roles, and Policies
 - IAM Best Practices (Least Privilege Access, Multi-Factor Authentication, etc.)
- **Hands-on with IAM (AWS Educate Lab)**
 - Creating IAM users and groups
 - Assigning permissions using IAM policies
 - Implementing role-based access control

3. AWS Key Management Service (KMS)

- **How KMS Works**
 - Creating and managing encryption keys
 - Encrypting and decrypting data using KMS
 - Access control with IAM policies
- **Hands-on with KMS (AWS Educate Lab)**
 - Generating a KMS key
 - Encrypting an S3 object using KMS

During the second half, Madam continued the session on "Cloud Storage using S3" introduced participants to various storage solutions available on AWS. It covered different types of AWS storage services, their use cases, and how to manage data effectively in the cloud. The session also included hands-on practice using AWS Educate to explore key storage services such as Amazon S3, EBS, EFS, and Glacier.

Key Topics Covered:

1. Introduction to AWS Storage

- Importance of cloud storage in modern applications
- Key factors: Scalability, durability, availability, and cost-effectiveness
- Overview of storage types: Object storage, Block storage, and File storage

2. Amazon Simple Storage Service (S3)

- What is Amazon S3?
 - A scalable object storage service
- Key Features of S3:
 - Storage classes (Standard, IA, Glacier, Deep Archive)
 - Data lifecycle policies and cost optimization
 - Versioning, encryption, and access control

3. Hands-on with AWS Educate:

- Creating an S3 bucket
- Uploading and managing objects
- Setting up permissions and bucket policies

Session No. 04

Topic: Networking (VPC and Direct Connect)

Time: 2.30 pm to 5.00 pm

Speaker: Prof. Prachi Abhijeet Surve (Assistant Professor, Mehata Institute of Tech. Dadar)

The session on AWS VPC (Virtual Private Cloud) and Direct Connect provided participants with an understanding of networking in AWS, focusing on secure, scalable, and high-performance connectivity solutions. The session covered Amazon VPC for isolated cloud networking and AWS Direct Connect for dedicated private connections, along with hands-on experience using AWS Educate.

Key Topics Covered:

1. Introduction to AWS Networking

- Importance of networking in cloud computing
- Overview of AWS networking services
- Differences between public and private cloud networking

2. Amazon Virtual Private Cloud (VPC)

- What is Amazon VPC?
- A logically isolated network in AWS
- Core Components of VPC:
 - Subnets* (Public & Private)
 - Route Tables* (Traffic management)
 - Internet Gateway (IGW)* (Enables internet access)
 - NAT Gateway* (For outbound traffic from private subnets)
 - Security Groups & Network ACLs* (For network security)
- Hands-on with AWS Educate:
 - Creating a custom VPC
 - Configuring subnets and route tables
 - Setting up Security Groups and access rule

3. Hands-on with AWS Educate:

- Creating a custom VPC
- Configuring subnets and route tables
- Setting up Security Groups and access rule



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Summary Report of Day: 03

Day: 01/03/2025

Session No. 05

Topic: Database Arora/Dynamo DB/RDBMS

Time: 10.30 am to 12.30 pm

Speaker: Prof. Prachi Abhijeet Surve (Assistant Professor, Mehata Institute of Tech. Dadar)

The session on DynamoDB and RDBMS in AWS Educate introduced participants to Amazon DynamoDB (NoSQL) and Relational Database Management Systems (RDBMS) using Amazon RDS. The session covered the differences between relational and NoSQL databases, their use cases, and hands-on experience with AWS Educate to explore database management in the cloud.

Key Topics Covered:

1. Introduction to Cloud Databases

- Importance of databases in cloud computing
- Difference between Relational Databases (RDBMS) and NoSQL Databases
- Overview of *managed database services in AWS

2. Amazon DynamoDB (NoSQL Database Service)

- What is DynamoDB?
- Use Cases of DynamoDB
- E-commerce applications
- IoT device data storage
- Real-time gaming leaderboards

3. Hands-on with AWS Educate:

- Configuring subnets and route tables
- Adding, modifying, and querying data
- Implementing indexes for efficient lookup

Session No. 06

Topic: AWS DevOps

Time: 2.30 pm to 3.30 pm

Speaker: Prof. Prachi Abhijeet Surve (Assistant Professor, Mehata Institute of Tech. Dadar)

The session on AWS DevOps provided participants with an understanding of DevOps practices, tools, and services in AWS. It covered continuous integration (CI), continuous deployment (CD), infrastructure as code (IaC), and monitoring, along with hands-on experience using AWS Educate

Key Topics Covered:

1. Introduction to AWS DevOps

- Combination of *Development (Dev) and Operations (Ops)* to improve software deliver
- Benefits of DevOps in AWS
- Overview of DevOps in AWS

2. AWS DevOps Tools and Services

- Continuous Integration & Continuous Deployment (CI/CD)
- AWS CodeCommit: Managed Git repository for version control
- Configuration Management & Automation
- Infrastructure as Code (IaC)
- Monitoring & Logging

3. Hands-on with AWS Educate:

- Creating a simple CI/CD pipeline with AWS CodePipeline
- Deploying an application using AWS CodeDeploy
- Monitoring logs and performance using Amazon CloudWatch

The Valedictory Function of the event started from 3.30 to 4:00 pm marked the successful completion of the sessions, bringing together participants, organizers, and dignitaries to reflect on the journey, share experiences, and express gratitude. The event served as an opportunity to acknowledge the efforts of all involved and to encourage further learning and collaboration.

Photographs



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Lamp Lighting



Lamp Lighting



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Guest Felicitation



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Felicitation



Introduction of key Note Speaker



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Convenor Talk



Principle Talk



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Keynote Speaker Talk



Participants photo



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Participants photo



Inaugural Function



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Vote of Thanks



Day 1 Hands on Session



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Certificate Distribution



Certificate Distribution



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Group Photo



Group Photo

Sample Certificate



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Automatic

(NAAC ACCREDITED 2nd cycle)

Department of Computer Engineering

In Collaboration with

Automatic Infotech (AI) Technologies Pvt Ltd.

Three Days National Level

Faculty Development Program

ON

“CLOUD COMPUTING PLATFORMS & IT'S SERVICES”



This is to certify that

Prof. Vijendra C. Lad (SSWCOE)

has successfully attended Three Day's National Level Faculty Development Program

On “cloud Computing Platforms & It's Services” held from 27, 28 Feb, & 1st March 2025.

S. V.

Prof. S. V. Kulkarni

Convenor & HOD Computer Engg. Dept.

Amit Kulkarni

Mr. Amit Kulkarni

CEO Automatic Infotech (AI) Technologies Pvt Ltd

P. V. Potdar

Dr. V. V. Potdar

(Principal)

M. A. Chougule

Dr. M. A. Chougule

(Campus Director)

News in Media

तरुण भारत



संभाजीनगर, सातारा, सोलापूर, अहमदनगर, धाराशिव, लातूर, नांदेड, परभणी, हिंगोली, जालना व बीड येथून प्रकाशित

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क्लाऊड कॉम्प्युटिंग प्लॅटफॉर्म्स राष्ट्रीय कार्यशाळेत ५० प्राध्यापकांचा सहभाग

तथा वृत्तसेवा,
सोलापूर, दि. ६ मार्च-

विजापूर रोडवरील ए. जी.पाटील अभियांत्रिकी मधील संगणक विभाग व ऑटोमॅटिक इन्फोटेक प्रायव्हेट लिमिटेड, पुणे यांच्या संयुक्त विद्यमाने तीन दिवसीय राष्ट्रीय स्तरावरील क्लाऊड कॉम्प्युटिंग प्लॅटफॉर्म्स या विषयावर कार्यशाळेत महाराष्ट्र व कर्नाटक या राज्यातून सुमारे ५० प्राध्यापकांनी सहभाग नोंदविला.

कार्यक्रमाच्या अध्यक्षस्थानी कॅम्पस डायरेक्टर डॉक्टर एम. ए. चौगुले, प्राचार्य डॉ. व्ही. व्ही. पोतदार, एक्स्पर्ट प्रा. प्राची सुर्वे, कन्व्हेनर प्रा. एस. व्ही. कुलकर्णी व सर्व विभागाचे विभागप्रमुख उपस्थित होते. ऑटोमॅटिक इन्फोटेकचे अमित कुलकर्णी यांनी की नोट स्पीकर म्हणून मार्गदर्शन केले. प्रा.



प्राची सुर्वे यांनी या कार्यशाळेत प्राध्यापकांना मार्गदर्शन केले. या कार्यशाळेचे उद्दिष्ट प्राध्यापकांना आणि यासारख्या प्रमुख क्लाऊड सेवांबद्दल आत्याधुनिक ज्ञान आणि तंत्रज्ञानाचे प्रशिक्षण हे होते.

संगणक विभागाचे प्रमुख प्रा. एस व्ही. कुलकर्णी यांनी कार्यक्रम ाचे कन्व्हेनर म्हणून काम पाहिले. प्रा. ए. बी. वळसंग, प्रा.ए. पी. होसाळे यांनी को-ऑर्डिनेटर म्हणून काम पाहिले. प्रा. एम.

एन. देशमुख यांनी सूत्रसंचालन केले. हा कार्यक्रम यशस्वीरीत्या पार पाडण्यासाठी प्रा. ए. बी. हन्नूरे, प्रा. पी. बी. कुलकर्णी, प्रा. डी. पी. सुलगावकर, प्रा. टि. व्ही. पाटील, प्रा. ए. एस. पाटील, श्री बसवराज नलवार, श्री आर. आर. कुंदूर यांनी परिश्रम घेतले. कॅम्पस डायरेक्टर डॉ. एम. ए. चौगुले यांनी सर्वांना मार्गदर्शन केले संस्थेचे अध्यक्ष एस.ए. पाटील व ट्रस्टी शिवानंद पाटील यांनी याप्रसंगी सर्वांचे कौतुक केले.