



Department of computer Science & Engineering
Academic Year (2023 - 2024) ODD
Workshop on " Cloud Computing AWS"

Date: 15.11.2023

Abstract

The workshop on "Cloud Computing with Amazon Web Services (AWS)" provided a comprehensive overview of cloud concepts, AWS services, and certification courses on cloud. Beneficiaries of this program in count 70 This report encapsulates the key learning's and highlights from the workshop sessions held on 14.11.2023.

Workshop Objectives

- Introduce participants to the fundamental concepts of cloud computing.
- Familiarize attendees with AWS services and their applications.
- Provide hands-on experience through guided exercises on the AWS platform.
- Certification courses on Cloud Computing AWS.

Workshop Agenda

- Introduction to Cloud Computing
- Definition, benefits, and deployment models of cloud computing.
- AWS Overview

Overview of AWS services:

- EC2
- S3
- RDS
- Lambda, etc.

Hands-on Sessions

- Creating and configuring EC2 instances.
- Uploading and managing data in S3 buckets.
- Setting up a relational database using RDS.
- Implementing server less functions with Lambda.
- Best Practices and Use Cases
- Security best practices.
- Real-world applications and case studies.
- Q&A and Conclusion

Workshop Highlights

Cloud Computing Fundamentals

Scalability and Flexibility: Explained how cloud resources can scale on-demand, accommodating varying workloads.

Cost-Efficiency: Discussed cost advantages by paying for what is used rather than maintaining physical infrastructure.

AWS Services Exploration

EC2 Instances: Participants launched instances with different configurations and understood various instance types.

S3: Demonstrated how to upload, manage, and secure objects within S3 buckets.

RDS: Created a relational database, configured security settings, and connected applications to the database.

Lambda Functions: Deployed serverless functions and triggered them using various AWS services.

Practical Hands-on Experience

- **Step-by-step Guidance:** Participants followed detailed instructions to perform tasks on the AWS console, gaining practical experience.
- **Troubleshooting:** Addressed common issues encountered during exercises, enhancing troubleshooting skills.

Best Practices and Real-World Scenarios

Security Measures: Emphasized best practices for securing AWS resources, including IAM roles, encryption, and access controls.

Use Cases: Explored case studies where AWS services were leveraged for diverse applications like web hosting, analytics, and IoT.

Participant Feedback

Positive Aspects:

- Hands-on exercises were highly beneficial.
- Clear explanations helped in understanding complex concepts.
- Practical use cases made the content relatable.
- **Areas for Improvement:**
- Some participants requested more advanced-level exercises.
- A longer workshop duration to delve deeper into certain services.

Conclusion

The workshop served as a foundational guide for individuals new to cloud computing and AWS services. Participants gained practical experience and insights into cloud deployment models, AWS offerings, and best practices. The interactive sessions and hands-on exercises contributed to a comprehensive learning experience. Each student assure to register in the AWS cloud certification course.

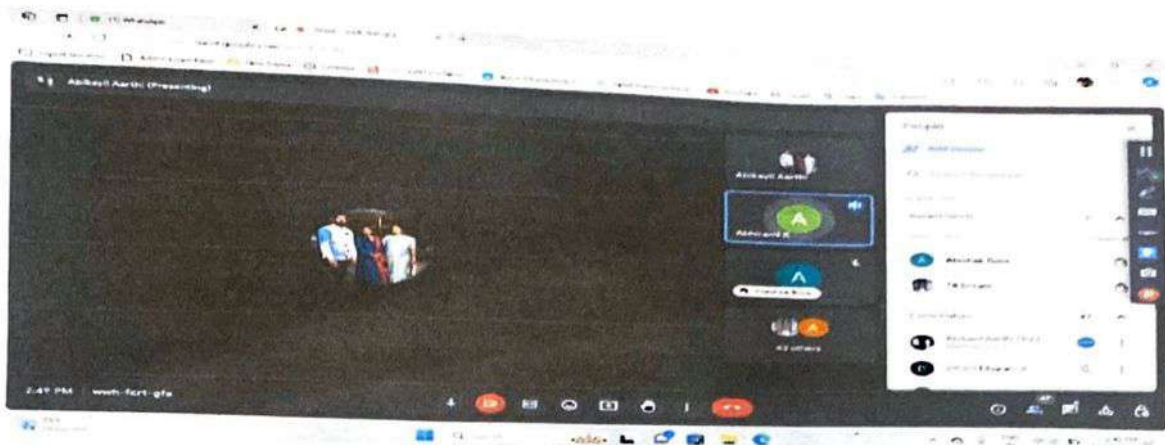
Recommendations

Consider offering an advanced-level workshop for individuals with prior AWS experience. Extend the workshop duration to cover additional advanced topics or allow more time for in-depth exploration of services.

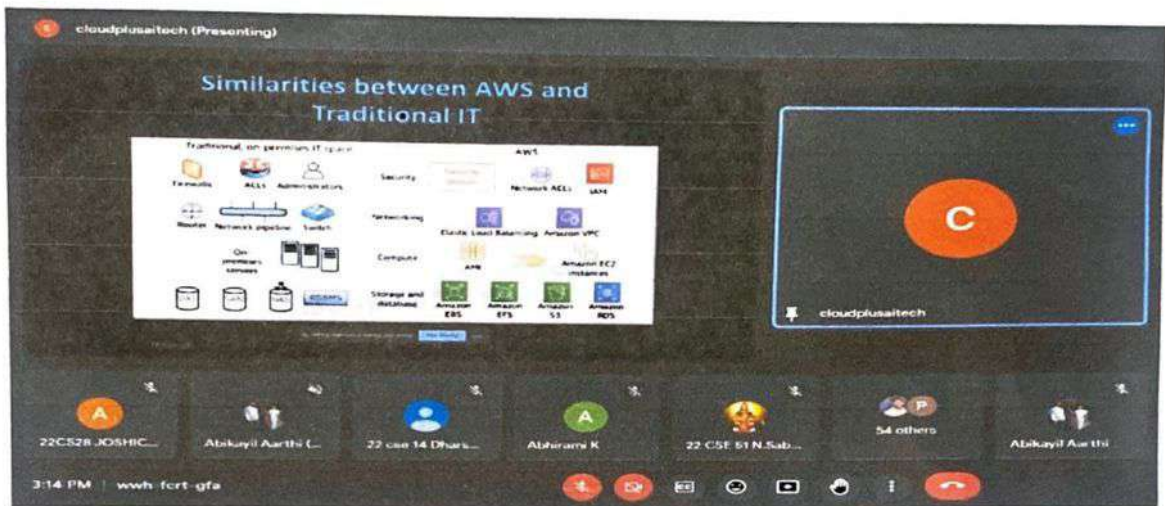
Acknowledgments

We extend our gratitude to the workshop facilitators, AWS trainers, and all participants whose active engagement made this learning experience enriching and insightful.

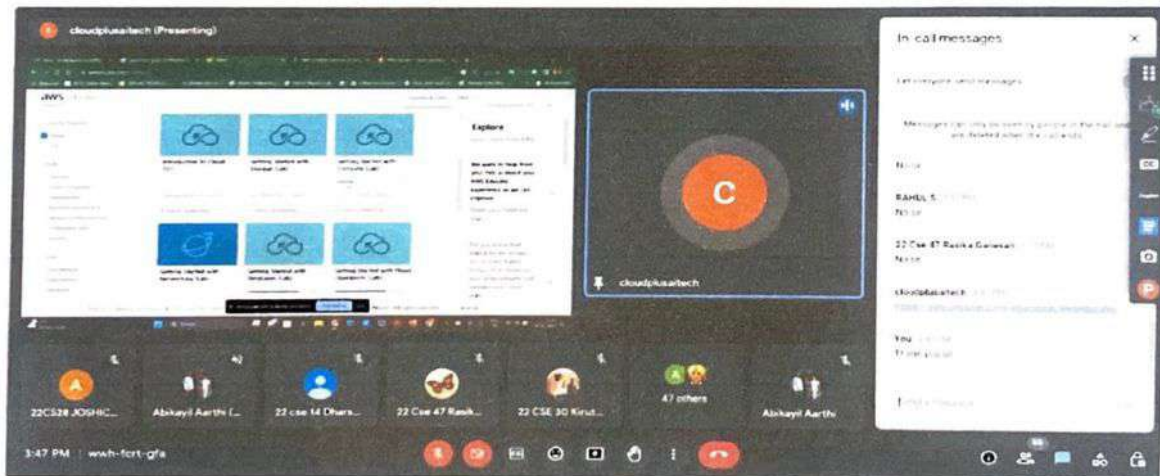
Session Clips



Welcome Address by Dr. K. Abhirami



Explanation about cloud clip



Explanation clip about Certification course on cloud

Broucher

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**DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING**

**WORKSHOP
ON
CLOUD COMPUTING (AWS)**

FOCUS TOPIC
AWS

DISCUSSION
AWS

OUTCOME
AWS Certified Cloud Practitioner

RESOURCE PERSON
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14-11-2023 **Venue**
Smart Class Room / CSE Smart
Class, College of Engineering

Make use of it....

Co-ordinator
Ms. S. Abhaya Aarthi, AP/ CSE

Organised By,
Department of Computer Science & Engineering

Sample Certificate

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**CERTIFICATE
OF PARTICIPATION**

DHARANI. R, 3-CSE, KCE

for successfully participated in the workshop, "Cloud Computing (AWS)", organized by Department of
Computer Science & Engineering at King's College of Engineering, held on November 14, 2023.

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Certificate ID

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