



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIYAMBADI

(A Project of Marudhar Kesari Jain Trust)



Recognized u/s 2(f) & 12(B) by UGC Act 1956 - Permanently Affiliated to Thiruvalluvar University
Re-Accredited with "A" Grade by NAAC (3rd Cycle) - An ISO 21001:2018 Certified Institution

PG DEPARTMENT OF COMPUTER APPLICATIONS ORGANIZED

**ONE WEEK NATIONAL LEVEL FDP ON
"CLOUD INFRASTRUCTURE"-21.08.2023-25.08.2023**

INVITATION



**MARUDHAR KESARI JAIN COLLEGE FOR WOMEN,
VANIYAMBADI**

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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

**PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE &
PG DEPARTMENT OF COMPUTER APPLICATIONS**

In Association with



Chief Guest

Dr Buddha Chandrashekhar

Chief Coordinating Officer - All India Council of Technical Education



21st to 25th, August 2023



07:00 PM to 08:00 PM

PARTICIPATION CERTIFICATE WILL BE PROVIDED

Approved by AICTE, HOST College and Brainovision Solutions India Pvt Ltd

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

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



Sri. C. Lickmichand Jain
Secretary

Dr. M. Inbavalli
Principal

Ms.S.Abirami
Convenor

Dr.K.Priya
Convenor

AGENDA



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIYAMBADI



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Marudhar Nagar, Chinnakallupalli, Vaniyambadi –635751, Tirupattur District.

Title: National Level 1 Week Faculty Development Program on Cloud Infrastructure (AWS)

Dates: August 21st - 25th, 2023

Time: 7:00 pm - 8:00 pm

Agenda

1. Prayer Song: Ganapathi Song
2. Program Introduction
3. About Brainovision
4. Introduction about Colleges
5. About AICTE & Chief Guest
6. Chief Guest Speech
7. Brainovision CEO Introduction
8. Brainovision CEO Speech
9. Instructions of FDP
10. About Resource Person
11. AWS Introduction Session
12. About Mega Internship Fest
13. Doubts & Feedback Form Filling Process
14. Vote of Thanks



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REPORT

A report on One Week National Level FDP Collaborate with Brain O Vision, AICTE, Ministry of Education & PG and Research Department of Computer Science and PG Department of Computer Applications on the topic "Cloud Infrastructure with AWS". The Chief Guest of this Programme was Dr. Buddha Chandrasekhar., Chief Coordinating Officer-AICTE.

Day 1 - Introduction to AWS and Cloud Computing

Day 1 was dedicated to laying a strong foundation by introducing participants to the world of AWS and cloud computing. Topics covered included the essence of AWS, the concept of cloud computing, its significance in modern technology, and a glimpse into the companies harnessing AWS to revolutionize their operations.

Day 2 - AWS Services and Global Infrastructure

Day 2 explore deeper into AWS, providing an overview of its diverse array of services. Participants gained insights into the expansive global infrastructure that AWS offers, appreciating its role in driving efficiency and scalability for business. Furthermore, an introduction to AWS pricing underscored the importance of understanding the economic implications of utilizing AWS services.

Day 3 - Amazon EC2 and Instance Creation

The third day was dedicated to a comprehensive exploration of Amazon Elastic Compute Cloud (EC2) and instance creation. Participants explore into the essence of EC2, its relevance in cloud computing, and its various features. The significance of different Unix and Linux flavors was discussed, alongside essential AWS terminology. Practical guidance was provided on creating Windows and Linux instances, emphasizing connection methods and the use of key pairs and security groups.

Day 4 - Load Balancing and Web Server Basics

The fourth day witnessed an in-depth examination of load balancing and web server fundamentals. Participants explore into the concept of a load balancer, comprehending its role and importance. Practical guidance was offered on creating a load balancer, exemplifying its purpose through demonstrations. The day further explore into web servers, introducing Linux commands and demonstrating how to launch a web server using Bash.

Day 5 - Auto Scaling and Instance Management

The final day of the program explored critical aspects of auto scaling and instance management. Participants understood the significance of Auto Scaling Groups (ASG) and its implications for optimizing performance. Practical insights were provided on creating a launch template and ASG, and the importance of status checks and protection from accidental termination was emphasized. Encryption in AWS was also covered, alongside the principles of scaling in and out, and scaling up and down. Participants gained a comprehensive understanding of different volume types and their use cases, including attaching and detaching volumes, copying AMIs, and snapshots.

As the first day concluded, the participants were left with a rich trove of insights into the world of Amazon Web Services and cloud infrastructure. The inspiring presence of esteemed guests, the expertise shared, and the dedication to knowledge enhancement set the stage for an enlightening week ahead. With gratitude for the past and enthusiasm for the future, the National Level 1 Week Faculty Development Program on Cloud Infrastructure (AWS) embarked on a transformative journey of learning and growth.



PRINCIPAL
Marudhar Kesari Jain College
for Women
Vaniyambadi - 635 751

PHOTOS

Types of cloud services

The diagram illustrates the types of cloud services and deployment models. At the top, 'CLOUD COMPUTING' branches into 'Private cloud', 'Community cloud', 'Public cloud', and 'Hybrid cloud'. These are grouped under 'CLOUD DEPLOYMENT MODELS'. To the right, 'SERVICE MODEL' branches into 'IaaS', 'PaaS', 'SaaS', and 'FaaS'. Each service model is associated with specific providers: IaaS (Amazon Web Services, Microsoft Azure), PaaS (GitHub), SaaS (Gmail, Office 365), and FaaS (AWS Lambda, kubernetes). A note at the bottom states: 'hybrid cloud, and a community cloud, and the service'.

FACULTY DEVELOPMENT PROGRAM ON CLOUD INFRASTRUCTURE (AWS) - DAY 1

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The screenshot shows the IRCTC website interface. The main navigation bar includes links for LOGIN, REGISTER, AGENT LOGIN, CONTACT US, and ASK DOUBT. The main content area features a grid of service icons: FLIGHTS, HOTELS, RAIL DRISHTI, E-CATERING, HOLIDAY PACKAGES, TOURIST TRAIN, HILL RAILWAYS, and CHARTER TRAIN. A prominent banner for 'MATA VAISHNO DEVI SPECIAL Rail Tour Packages to Delhi' is displayed. A sidebar on the right promotes 'Tatkal' tickets for DISHA. The bottom of the page shows the IRCTC logo and a search bar.

FACULTY DEVELOPMENT PROGRAM ON CLOUD INFRASTRUCTURE (AWS) - DAY 3

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