



CENTRE OF EXCELLENCE AWS ACADEMY



MIET, MEERUT

A BRIEF PROFILE ON.....







VISION-MISSION OF INSTITUTE

Vision of Institute

The Center of Excellence for AWS Cloud is to provide students with the opportunity to improve their Cloud Technology skills and to prepare them for a variety of placement driven opportunities. Also, students who have strong command of the utilization of Cloud Services are better equipped to work on cutting-edge technologies such as artificial intelligence, machine learning, internet of things, and so on.

Mission of Institute

The mission of the institute is to educate young aspirants in various technical fields to fulfill global requirement of human resources by providing sustainable quality education, training and invigorating environment besides molding them into skilled competent and socially responsible citizens who will lead the building of a powerful nation.





S.No.	Name of Particulars
1	About the COE(AWS Academy)
2	Objectives of AWS Academy
3	Advisory Board members/Active Member details
4	MOU details
5	Certification Roadmap and Activity Event Roadmap/ Course Roadmap
6	List of Equipments/Software details
7	List of Experiments/Contents delivered to Students
8	Outcome:- i) List of AWS Certified Students ii) List of Placed Students
9	Media Coverage





BRIEF ABOUT AWS ACADEMY

AWS Academy is an Amazon Web Services (AWS) program designed to help educational institutions prepare students for careers in cloud computing. It provides educators with ready-to-teach, cloud-focused curricula developed and maintained by AWS experts. Through AWS Academy, students gain hands-on experience with real AWS tools and technologies, learning how to design, deploy, and manage applications in the cloud. The program also helps learners develop in-demand technical skills aligned with industry certifications such as the AWS Certified Cloud Practitioner and AWS Certified Solutions Architect. By bridging the gap between academia and industry, AWS Academy empowers students to become job-ready in the rapidly growing field of cloud technology.

AWS is a cloud computing platform and an online portal that allows to access and manage cloud services and resources provided Amazon AWS. Amazon Web Services has been providing world-leading cloud technologies that help any organization and any individual build solutions to transform industries, communities, and lives for the better These services and resources include storing your data and transforming it, depending on your requirements. To get access to these resources and services, we need to have an active internet connection and the ability to connect to the Amazon AWS portal.

OBJECTIVES OF AWS

CENTRE OF EXCELLENCE

- To standardize Best Practices and enhance performance AWS Academy Cloud Foundations is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support
- To foster Innovation provide Industry oriented knowledge of AWS Academy Cloud Foundations and advanced to every CSE, IT and Non CSE/IT students.
- To ensure Compliance Foster collaboration between academia and industry to design the contents of a course.
- Promote the adoption of best practices and standards in AWS Academy Cloud Foundations.
- To support Training and Development and provide high-quality training programs to students and educators.







Co-Ordinator Details:

Jagbeer Singh

Leader
AWS Academy, MIET Meerut

CPOC & Assistant Professor, CSE Dept.

Jagbeer.singh@miet.ac.in 9528165242



Co-Ordinator Details:

Hemant Kr Baranval

Co-Leader
AWS Academy, MIET Meerut
Assistant Professor,
CSE-Data Science.
Hemant.baranval@miet.ac.in
8368231232





ADVISORY BOARD MEMBERS/ACTIVE MEMBERS

S.No	Faculty	Designation	Contact No	Email ID	Certification
1	Mr. Jagbeer Singh	Assistant Professor	9528165242	jagbeer.singh@miet.ac.in	AWS CP, AWS SAA,AWS SA, AWS Educate, AZ- 900, AZAI,AZPL
2	Mr. Hemant Baranval	Assistant Professor	9810642398	hemant.branval@miet.ac.in	
3	Mrs. Preksha Pratap	Assistant Professor	9917311669	preksha.pratap@miet.ac.in	
4	Dr. Anamika Singh	Assistant Professor	9005232195	anamika.singh@miet.ac.in	AWS CP
5	Mrs Prerna Chaudhary	Assistant Professor	9557436754	prerna.chaudhary@miet.ac.in	
6	Mr. Rahul Shivhare	Assistant Professor	7355998742	rahul.shivhare@miet.ac.in	





MOU DETAILS

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AMAZON CONFIDENTIAL

AWS Skills to Jobs Tech Alliance Program Terms & Conditions

Last Updated January 19, 2024

AWS Contracting Party: Amazon Web Services India Private Limited By: Name: Mayank Arora Title: Authorised Signatory Signature Date: January 31, 2024	Customer Name Institute of Engineering & Technology ("you") By: Name: Pune Again Styctor (Admit) Title: Vice Again Title: Signature Date: 24/4H24
Address: Block E, 14th Floor Unit Nos. 1401-1421, International Trade Tower, Nehru Place, New Delhi, India, 110019, India	Address: MIET Mount 250005 Attention: Jeghear Singh Email Address: Jeghear, diryl Canad ac

This AWS Skills to Jobs Tech Alliance Program (the "Program") Agreement (this "Program Agreement") is entered into between you and the relevant AWS Contracting Party as defined in the AWS Customer Agreement or other written agreement governing your use of the Services (the "AWS Agreement") ("AWS") (each, a "Party" and collectively, the "Parties"), and is effective as of the last signature date above. This Program Agreement is made a part of the AWS Agreement, as both may be updated from time to time. Capitalized terms used but not defined herein shall have the meanings set forth in the AWS Agreement. If there is a conflict between the AWS Agreement and this Program Agreement, this Program Agreement will prevail.

The AWS Agreement and this Program Agreement contain terms that govern your participation in the Program. By accepting the terms of this Program Agreement, you represent that: (1) you are lawfully able to enter into such agreements, and (2) if you are entering into this Program Agreement on behalf of an educational institution or entity ("Entity"), you have legal authority to bind that Entity.

Program Details

AWS or its affiliates will provide advice and recommendations to you on any or all of the following topics: (i) modernizing your education program by incorporating cloud/other skills identified by both Parties; (ii) leadership development; (iii) faculty development; (iv) employer engagement; and (v) student career support. You acknowledge and agree that you will not share with AWS or its affiliates any personal data from student(s) or employee(s) under the Program.

The Parties acknowledge and agree that the Program.

Courses directly to you, including any students, under the Program.

Meens institute of Engineering & Technology The Parties acknowledge and agree that AWS or its affiliates will not deliver any trainings or









CERTIFICATION ROADMAP

FOUNDATIONAL

Six months of fundamental AWS Cloud and industry knowledge



ASSOCIATE

One year of experience solving problems and implementing solutions using the AWS Cloud







PROFESSIONAL

Two years of experience designing, operating, and troubleshooting solutions using the AWS Cloud





SPECIALTY

Technical AWS Cloud experience in the Specialty domain as specified in the exam guide







ACTIVITY AND EVENTS ROADMAP (JUL-25 TO DEC-25)

August-25 July-25 **AWS Expert Guest**

AWS Admin Training sessions.

Setting up AWS accounts

Study groups and preparatory sessions

Practice exams and review sessions

September-25

AWS Expert Guest lecture

Seminars on the use of AWS in various industries.

Case study analysis and group discussions.

October-25

Sessions for latest trends and job opportunities, Networking events

November-25

Progress review of student projects and feedback sessions

Organizing meetups

December-25

Workshops on AWS Lightning, Cloud Analytics, and Marketing Cloud

Internships, certifications





lecture

(2022-23)

Oct-Dec

Assess student performance and gather feedback for course improvement.

Jul-Sep

- 1. Conduct mid-term evaluations and feedback sessions.
- Organize guest lectures from industry professionals/ AWS Executive

Apr-Jun

- Launch introductory workshops for students.
- Initiate the first batch of AWS Cloud Foundation training

Jan-Mar

- Develop foundational course materials for AWS Fundamental and Developer tracks after foundation in 2020.
- Conduct initial training sessions for faculty members.





(2023-24)

Oct-Dec

- Conduct certification preparation sessions.
- Facilitate internships and industry partnerships

Jul-Sep

- Revise and update course materials.
- Start new batches for Salesforce Admin and introduce Developer track.

Apr-Jun

- Jan-Mar
- Expand Advanced course offerings and enhance curriculum based on feedback.
- Increase student enrollment and



1. Implement hands-on projects and real-world case studies.

Organize hackathons and coding challenges.



(2024-25)

Oct-Dec

- Conduct advanced training sessions and guest lectures.
- Plan and execute a AWS career fair.

Jul-Sep

and presentations.

with industry partners.

Organize student-led projects

Introduce collaborative projects

- Launch mentorship programs with AWS-certified professionals.
- Begin specialized workshops on new AWS features and tools.

Apr-Jun

- Jan-Mar
- Achieve higher certification rates among students.
- Foster a collaborative learning environment.





(2025-26)

Oct-Dec

- 1. Assess impact and effectiveness of new initiatives.
- 2. Plan for the next academic year based on evaluation results.

Jul-Sep

Facilitate workshops on emerging technologies like AI and DS in AWS Cloud.

Apr-Jun

- Encourage student participation in AWS Talent community events.
- Introduce research projects focused on AWS innovation.

- Jan-Mar
- 1. Partnership with companies for internships and job placements.
- 2. Launch certification boot camps and intensive training sessions.





LIST OF EQUIPMENT'S /SOFTWARE DETAILS

- Windows 10 (professional /enterprise)/ Linux / Unix any OS and 4GB -16 GB RAM
- Chrome (latest version)/ Mozilla / Firefox etc.
- Admin Rights
- Should be able to take RDP of VM on public IP address and Port Port 53 (UDP). This port is used to access DNS servers. Port 443 (TCP) This port is used for client application updates, registration, and authentication.
- Internet Connection with 100 Mbps
- VS Code.





COURSE ROADMAP

1. Introduction with Module-1 about AWS **Cloud Concept**

5. Networking and

Content delivery

Hands-on Activity

Philosophy

3. Cloud Infrastructure

4. AWS shared responsibility model



6. Compute Service **EC2 Hands-on** Activity

7. Storage Service and **Hands-on Activity**

8. Databases Service and Handson Activity



2. Cloud Pricing





CONTENTS TO STUDENTS

Module-1: Cloud Concepts Overview

- This module addresses the following topics:
- Introduction to cloud computing
- Advantages of cloud computing
- Introduction to Amazon Web Services (AWS)
- AWS Cloud Adoption Framework (AWS CAF)

Module-2: Cloud Economics and Billing

- Cloud Economics and Billing,
- Fundamentals of pricing,
- Total cost of ownership, Activity:
- Simple Monthly Calculator,
- AWS Organizations, AWS billing and cost management.

Module-3: AWS Global Infrastructure Overview

- AWS Global Infrastructure
- AWS service and service category overview
- Regions and Avalability Zones
- Edge Locations





Module-4: AWS Cloud Security:

- AWS shared responsibility model
- AWS Identity and Access Management (IAM)
- Securing a new AWS account
- Securing accounts
- Securing data on AWS
- Working to ensure compliance
- Additional security services and resources

Module-5: Networking and Content

- Amazon Virtual Private Cloud (Amazon VPC),
- Amazon Route 53,
- Amazon Cloud-Front

Module-6: Compute: Compute services overview

- Amazon EC2
- Amazon EC2 cost optimization
- Container services
- Introduction to AWS Lambda
- Introduction to AWS Elastic Beanstalk





Module-7: Storage

- Amazon Elastic Block Store (Amazon EBS)
- Amazon Simple Storage Service (Amazon S3)
- Amazon Elastic File System (Amazon EFS)
- Amazon Simple Storage Service Glacier

Module-8: Databases:

- Amazon Relational Database Service (Amazon RDS)
- Amazon Dynamo-DB
- Amazon Redshift
- Amazon Aurora

Module-9: Cloud Architecture:

- AWS Well-Architected Framework
- Reliability and high availability
- AWS Trusted Advisor

Module 10: Automatic Scaling and Monitoring:

- Elastic Load Balancing
- Amazon Cloud-Watch
- Amazon EC2 Auto Scaling





WE ARE ALL MOVING FORWARD





1800s

1900s

Today



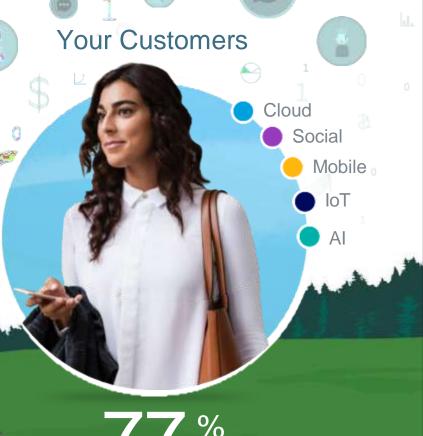


THE CUSTOMER GAP





of customer data as been analyzed



aws academy

Member Institution

of customers are not

engaged with compa

CUSTOMER SUCCESS PLATFORM

CONNECT TO YOUR CUSTOMERS IN A WHOLE NEW WAY



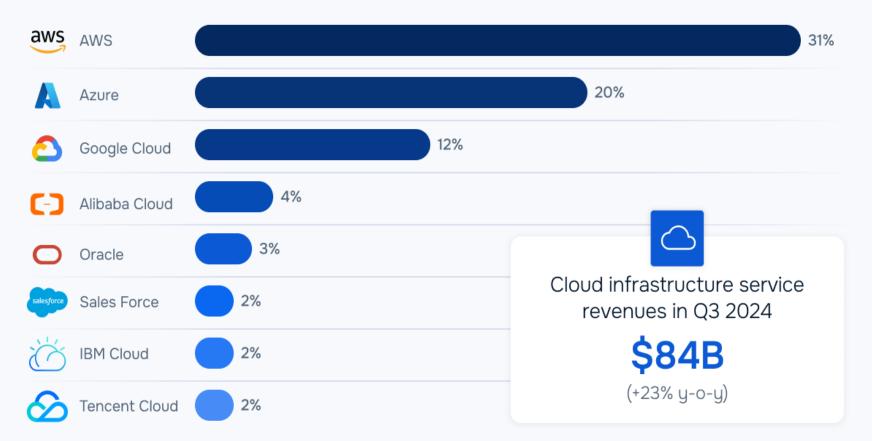




THE AWS CLOUD ECONOMY

Creating millions of jobs

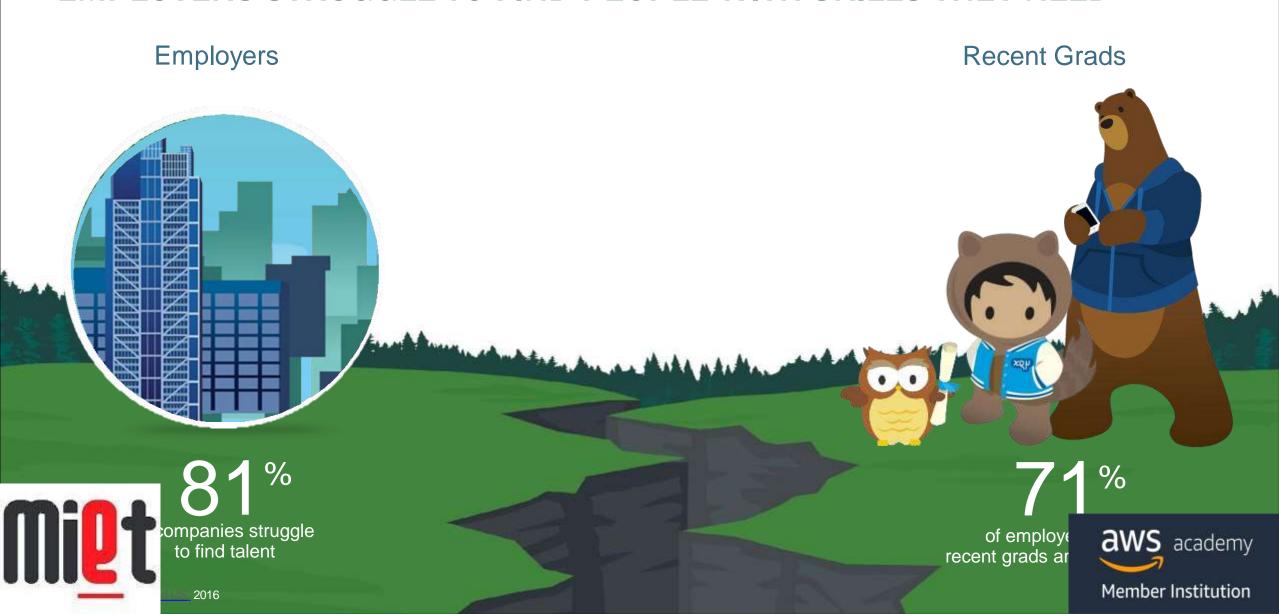








EMPLOYERS STRUGGLE TO FIND PEOPLE WITH SKILLS THEY NEED



OUTCOMES OF AWS CLOUD @ MIET

AWS Academy Centre of Excellence (CoE) delivers several key outcomes, including

- Enhanced Skill Development
- Industry collaboration
- Innovative R&D
- Curriculum Enrichment
- Community and Networking
- Certification of AWS Cloud with all Level





PLACEMENT RECORDS Latest in 2024: Very few students shown here and detailed List of all students attached in Appendix

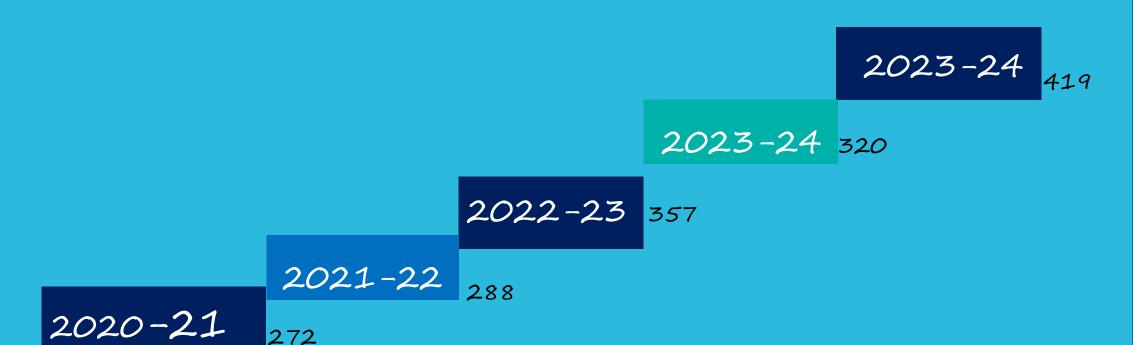
SI No	Roll No	Name	Branch	Company	Salary Offered in LPA
1	2000681520027	LALIT DEV MAURYA	BTech CS (AI)	Qspiders	9.5 LPA
2	2000681530026	Ishi Goel	BTech CS (AIML)	Qspiders	9.5 LPA
3	2000681530036	Nitish Mittal	BTech CS (AIML)	Qspiders	9.5 LPA
4	2000681530047	Shreya Singh	BTech CS (AIML)	Qspiders	9.5 LPA
5	2000681540004	ADHIRAJ PANDEY	BTech CS (DS)	Delhivery Limited application (Off Campus)	9.5 LPA
6	2000681540007	Ankit	BTech CS (DS)	Qspiders	9.5 LPA
7	2000681540025	MAYURI JINDAL	BTech CS (DS)	Qspiders	9.5 LPA
8	2000680110008	Akash Gaur	BTech CS&IT	Qspiders	9.5 LPA
9	2000680100025	AGAM GUPTA	BTech CSE	Hexaview Technology	9.0 LPA
10	2000680100070	Arsh Kumar	BTech CSE	Qspiders	9.5 LPA
11	2000680100072	Arya Tyagi	BTech CSE	Qspiders	9.5 LPA
12	2000680100136	Harsh Goel	BTech CSE	Qspiders	9.5 LPA
13	2000680100168	Khushi Thakur	BTech CSE	Qspiders	9.5 LPA
14	2000680100182	Mayank Singh	BTech CSE	Qspiders	9.5 LPA
15	2000680100183	Mayank Tomar	BTech CSE	Qspiders	9.5 LPA
16	2000680100302	Shrishti Barar	BTech CSE	Qspiders	9.5 LPA
17	2000680100318	SPARSH GUPTA	BTech CSE	Qspiders	9.5 LPA
18	2000680100330	TANYA MITTAL	BTech CSE	Qspiders	9.5 LPA
19	2000680100334	Tushar Goel	BTech CSE	Qspiders	9.5 LPA
20	2000681520047	Vaishnavi Singh	BTech CSE	Qspiders	9.5 LPA
21	2000681540010	AVANTIKA CHAUDHARY	BTech CSE	Qspiders	9.5 LPA
22	2100680109005	Adnan Khan	BTech CSE	Qspiders	9.5 LPA





PLACEMENT RECORDS

Salesforce data: 25-27% of CSE and allied branch students placed per year in Salesforce









MILE WOMEN EMPOWERMENT THROUGH AWS ACADEMY





नेशनल प्रेस टाइम्स

सीएसआई एमआईईटी ने आयोजित किया एडब्ल्यूएस वीमेन मेंटरशिप प्रोग्राम

नेशनल प्रेस टाइम्स ब्यूरो

मेरठ। सीएसआई एमआईईटी स्टडेंट चैप्टर ने 10 सितम्बर 2025 को एडब्ल्युएस पावर्ड वीमेन मेंटरशिप प्रोग्राम का कार्यक्रम ऑनलाइन आयोजित किया गया, लेकिन सामृहिक शिक्षण को प्रोत्साहित करने के लिए एमआईईटी मेरठ स्थित अजीम प्रेमजी ब्लॉक के लाइव स्क्रीनिंग की गई, जिसमें छात्रों ने उत्साहपूर्वक भाग लिया।

कार्यक्रम में कुल 300 से अधिक प्रतिभागी शामिल हए, जिनमें से लगभग 150 छात्राएं ऑफलाइन उपस्थित रहीं। कार्यक्रम की मख्य आकर्षण रही सुश्री हेले लोर (सॉल्युशन आकिटेक्ट डा डेटा एंड एआई. सॉफ्टवेयरवन) का प्रेरक सत्र। उन्होंने एडब्ल्यएस सेवाओं, सर्टिफिकेशन्स और एआई व



इकोसिस्टम पर अपने अनभव साझा किए। उनके व्याख्यान ने छात्राओं को करियर अवसरों और फ्लेसमेंट की दिशा में मागंदर्शन प्रदान किया।

सत्र का समापन इंटरैक्टिव डाउट-क्लियरिंग सेगमेंट से हुआ, जिसमें सुश्री लोर ने प्रतिभागियों के प्रश्नों का विस्तार से उत्तर दिया। कार्यक्रम में डॉ. विकास श्रीवास्तव (एचओडी, सीएसई विभाग), श्री जगबीर सिंह (एडब्ल्ब्एस हेड) और विभाग की महिला संकाय

सदस्य विशेष रूप से उपस्थित रहीं और छात्राओं को प्रोत्साहित किया। सीएसआई एमआईईटी टीम-गीतांशी (प्रेसिडेंट), गौरव अग्रवाल (वाइस प्रेसिडेंट), प्रणव बंसल (कॉन्टेंट हेड), चिराग शर्मा (इवेंट हेड), आर्यन सिंगल (फोटोग्राफी हेड), विश्वेंद्र (एडिटोरियल हेड) और अभय चौधरी (आउटरीच हेड)-ने कार्यक्रम का सफलतापूर्वक संचालन किया।

खबर विस्तार से पढ़ने के लिए वैबसाइट पर विजिट करें ।

सीएसआई एमआईईटी ने आयोजित कि एडब्ल्यूएस वीमेन मेंटरशिप प्रोग्राम

मेरठ समाचार प्रतिनिधि

सीएसआई एमआईईटी

वीमेन मेंटरशिप प्रोग्राम का सफल आयोजन किया। यह कार्यक्रम प्रोत्साहित करने के

दिया। कार्यक्रम में डॉ. विकास

प्रणव बंसल (कॉन्टेंट हेड). चिराग शर्मा (इवेंट हेड), आर्वन सिंगल (फोटोग्राफी हेड), है।



सीएसआई एमआईईटी ने आयोजित किया एडब्ल्यूएस वीमेन मेंटरशिप प्रोग्राम

तमसा संकेत, संवाददाता



कार्यक्रम में कुल 300 से अधिक प्रतिभागी शामिल हुए, जिनमें से लगभग 150 छात्राएं ऑफलाइन उपस्थित रहीं। कार्यक्रम की मुख्य आकर्षण रही सुश्री हेले लोर (सॉल्युशन आर्किटेक्ट -डेटा एंड एआई. सॉफ्टवेयरवन) का प्रेरक सत्र। उन्होंने एडब्ल्यएस सेवाओं, सर्टिफिकेशन्स और एआई व क्लाउड टेक्नोलॉजी के संपूर्ण इकोसिस्टम पर अपने अनुभव साझा किए। सत्र का समापन इंटरैक्टिव डाउट-क्लियरिंग



सेगमेंट से हुआ, जिसमें सश्री लोर ने प्रतिभागियों के प्रश्नों का विस्तार से उत्तर दिया। कार्यक्रम में डॉ. विकास (एडब्ल्युएस हेड) और विभाग की महिला संकाय सदस्य विशेष रूप से उपस्थित रहीं और छात्राओं को प्रोत्साहित सीएसआई एमआईईटी टीम-गीतांशी गोयल (प्रेसिडेंट), गौरव अग्रवाल (वाइस प्रेसिडेंट), प्रणव बंसल (कॉन्टेंट हेड), चिराग शर्मा (इवेंट हेड), आर्यन सिंगल (फोटोग्राफी हेड), विश्वेंद्र (एडिटोरियल हेड) और अभय चौधरी (आउटरीच हेड)—ने कार्यक्रम का सफलतापूर्वक संचालन किया।



MEDIA COVERAGE AND NEWS UPDATE



ंद क्लाउड बिल्डर्स वर्कशॉप में छात्रों ने सीखी क्लाउड कंप्यूटिंग की बारीकियां

नेशनल प्रेस टाइम्स ब्युरो

मेरठ। मेरठ इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी में द क्लाउड बिल्डर्स वर्कशॉप का सफल आयोजन किया गया। इस कार्यशाला में लगभग 200 छात्रों ने उत्साहपूर्वक भाग लिया। वर्कशॉप का उद्देश्य छात्रों को क्लाउड कंप्युटिंग की मूल अवधारणाओं और अमेजन वेब सर्विसेज के व्यावहारिक उपयोग से परिचित कराना था। कार्यक्रम की शुरूआत माँ सरस्वती के समक्ष दीप प्रज्ज्वलन के साथ हुई, जिसके बाद कैंपस डायरेक्टर डॉ संजय कुमार सिंह ने प्रेरणादायक शब्दों के माध्यम से



को संबोधित किया। उन्होंने छात्रों को नई तकनीकों सीखने और अपनाने के लिए प्रोत्साहित किया।

इस अवसर पर कैंपस डायरेक्टर डॉ संजय कुमार सिंह .डीन अकादमिक सीएसई एवं संबद्ध शाखाएँ डॉ. नरेश कुमार, विभागाध्यक्ष, सीएसई विभाग, जगबीर सिंह (एडब्ल्यएस करें।

हेड) एवं अन्य शिक्षकों की उपस्थिति में कार्यक्रम को औपचारिक रूप से आरंभ किया गया। कार्यक्रम के मुख्य वक्ता अमन गुप्ता, सीनियर क्लाउड इंजीनियर, ने छात्रों को ईडब्ल्युएस की प्रमुख सेवाओं के उपयोग के बारे में विस्तार से बताया खबर विस्तार से पढ़ने के लिए वैबसाइट पर विजिट

Students Gain Hands-On Experience in Cloud द क्लाउड बिल्डर्स वर्कशॉप में छात्रों ने Computing at "The Cloud Builders Workshop"



pursuit of knowledge. Dr. Sanjay Kumar Singh, Campus Director of MIET, successfully organized at the growing field of cloud

Saraswati, symbolizing the

speaker, Mr. Aman Gupta, Senior Cloud Engineer, conducted an engaging

of certificates to partici the vast opportunities that cloud computing offers in का उद्देश्य छात्रों को क्लाउड़ किया। इस अवसर पर कैंप्स

मेरठ समाचार प्रतिनिधि

व्यावहारिक उपयोग से परिचित संबद्ध शाखाएँ डॉ. नरेश कुमार, डॉ. वास्तविक जीवन में उपयोग से बंसल शामिल रहे।

विकास श्रीवास्तव विभागाध्यक्ष, की प्रमख सेवाओं के उपवोग के shaping the future of digital कंप्यटिंग की मल अवधारणाओं हाबरेक्टर हाँ संजय कमार सिंह बारे में विस्तार से बताया। उन्होंने और अमेजन वेब सर्विसेज के ,डीन अकादीमक्स सीएसई एवं छात्रों को क्लाउड तकनीक के निहारिका, शिवम शर्मा और प्रणव







OUTCOME

AWS Certified Students

- ❖ 479+ Students have AWS L1 & L2 Certifications in 2024-25 Session, Students List attached for Reference –
- ❖419 Students are placed in different companies for the session 2024-25. Students List attached for Reference –





PHOTO GALLERY







THANK YOU









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