

CENTRE OF EXCELLENCE—



A brief profile on.....



VISION-MISSION OF INSTITUTE

Vision of Institute

To be an outstanding institution in the country imparting technical education, providing need-based, value-based, and career-based programs, and producing self-reliant, self-sufficient technocrats capable of meeting new challenges.

Mission of Institute

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



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Microsoft Azure

Azure is a cloud computing platform and an online portal that allows to access and manage cloud services and resources provided by Microsoft. These services and resources include data storage and transforming it depending on the requirements. To get access to these resources and services, we need to have an active internet connection and the ability to connect to the Azure portal.



Things about Azure

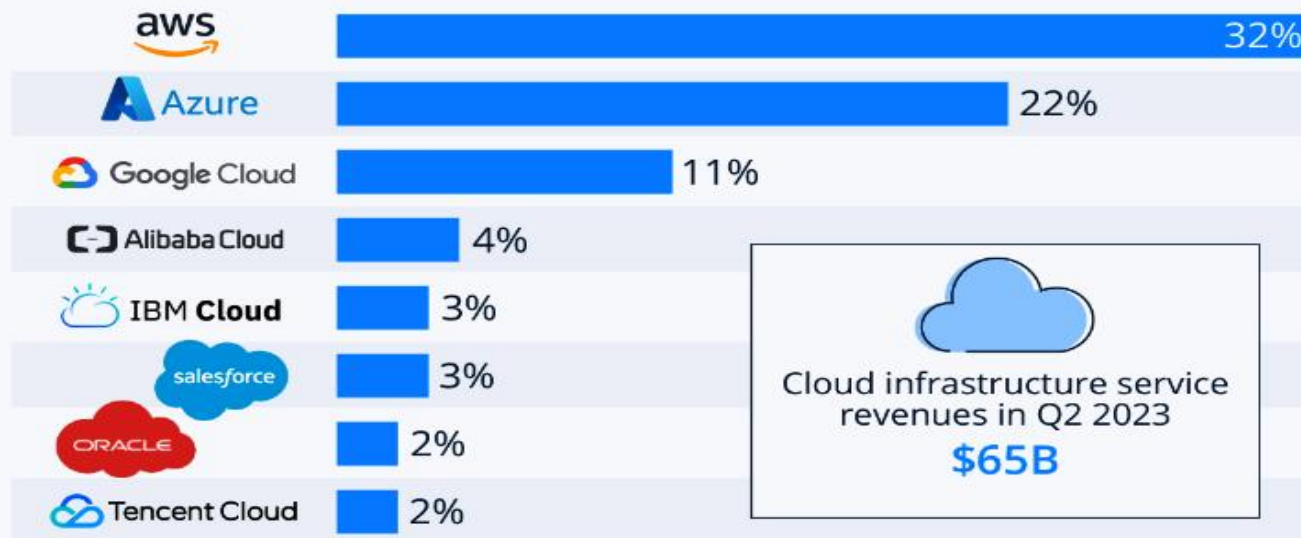
- It was launched on February 1, 2010, significantly later than its main competitor, AWS.
- It's free to start and follows a pay-per-use model, which means you pay only for the services you opt for.
- Interestingly, 80 percent of Fortune 500 companies use Azure services for cloud computing needs.
- Azure supports multiple programming languages, including Java, Node Js, and C#.
- Another benefit of Azure is the number of data centers it has around the world. There are 42 Azure data centers spread around the globe, which is the highest number of data centers for any cloud platform. Also, Azure is planning to get 12 more data centers, which will increase the number of data centers to 54, shortly.



AZURE MARKET PLACE-

Amazon Maintains Lead in the Cloud Market

Worldwide market share of leading cloud infrastructure service providers in Q2 2023*



* Includes platform as a service (PaaS) and infrastructure as a service (IaaS) as well as hosted private cloud services



Azure Services



Compute



Networking



Data Analytics

Identity



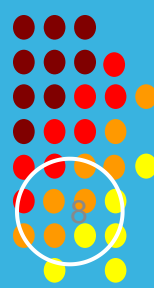
Storage & Databases



Integration



DevOps



This course will provide foundational-level knowledge of cloud services and how those services are provided with Microsoft Azure.

Teaches basic cloud concepts, provides a streamlined overview of many Azure services, and guides with hands-on exercises to deploy very first services for free.

Scoring Certifications becomes easy after getting fundamental knowledge.

Career Oriented learning path for students.



Advisory board members/active member details:



S. NO	NAME	DEPARTMENT	CERTIFICATION
1	Ms. Meetu	CSE-IOT	Microsoft Azure certified
2	Mr. Jagbeer Singh	CSE	Microsoft Azure Certified
3	Mr. Rohit Aggarwal	DATA SCIENCE	–
4	Ms. Aanchal Chaudhary	CSE	–





Coordinator details



S. NO	NAME	DEPARTMENT	CERTIFICATION
1	Ms. Meetu	CSE-IOT	Microsoft Azure certified



MEMORANDUM OF UNDERSTANDING (MOU WITH KAMTRON SYSTEMS PVT. LTD.)



40-280

TAX INVOICE (ORIGINAL FOR RECEIPT)

Kamtron Systems Pvt. Ltd. 402, Eros Apartment, 55, Nehru Place, New Delhi - 110019 UAM No. DL08E0028165 GSTIN/UIN: 07AAACK5359F12K State Name : Delhi, Code : 07 CIN: U30007DL1996PTC080821 E-Mail : accounts@kamtrononline.com Consignee (Ship to) Meerut Institute of Engg. & Tech. NH-58, Bypass Road Baghat Crossing Meerut - 250002 U.P. Tel.:0121-2439057 State Name : Uttar Pradesh, Code : 09 Buyer (Bill to) Meerut Institute of Engg. & Tech. NH-58, Bypass Road Baghat Crossing Meerut - 250002 U.P. Tel.:0121-2439057 State Name : Uttar Pradesh, Code : 09		Invoice No. SWS/24-25/2 Delivery Note Reference No. & Date Buyer's Order No. MIET/PUR/3/302 Dispatch Doc No. Dated 4-Apr-24 Mode/Term of Payment 100% Advance Other References Dated 28-Mar-24 Delivery Note Date Dispatched through Destination Meerut (U.P.) Terms of Delivery
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Sl No.	Description of Services	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	MS Win Device Edu Alng Upgrade SA OLV E 1Y Acad Ent (Part # KWS-00359)	997331	150 Nos.	1525.00	Nos.		228750.00
2	MS Intune Open Faculty ALng Sub OLV E 1M Acad AP (12 Months) (Part # FYS-00001)	997331	10 Nos.	724.00	Nos.		7240.00
3	MS O365 EDU A3 Opn Faculty ALNG Sub OLV E 1M Acad AP (12 Months) (Part # HVH-00007)	997331	150 Nos.	3080.00	Nos.		462000.00
4	MS O365 A3 Edu Open Student Use Benefit ALng Sub OLV NL 1M Acad (12 Months) (Part # JNN-00001)	997331	3000 Nos.				
5	MS O365 A1 Edu Open Student Alng Sub OLV NL 1M Acad (12 Months) (Part # GU3-00001)	997331	3000 Nos.				
6	MS O365 A1 Edu Open Faculty Alng Sub OLV E 1M Acad AP (12 Months) (Part # GU4-00001)	997331	150 Nos.				
7	MS Intune Open Alng Sub OLV E 1M Acad AP W/ Faculty (12 Months) (Part# 3LN-00016)	997331	3000 Nos.				
8	MS Azure Active Directory Basic Open Sub OLV NL 1M Acad Student (12 Months) (Part # GP3-00008)	998313	3000 Nos.				
9	MS Azure Active Directory Basic Open Sub OLV E 1M Acad AP Faculty (12 Months) (Part # GP3-00009)	997331	3000 Nos.				
10	MS Project Online Essentials Open Faculty ALng Sub OLV E 1M Acad AP (12 Months) (Part # 7JD-00001)	997331	150 Nos.				
11	MS Project Online Essentials Open Student ALng Sub OLV NL 1M Acad (12 Months) (Part # 7JS-00001)	997331	3000 Nos.				
							697990.00
IGST Output @ 18%							125638.20

4/4/24





LIST OF EQUIPMENTS/SOFTWARE DETAILS:-

- Windows 10 (prof/ent)
- 4GB RAM
- Chrome (latest version)
- Admin rights
- Should be able to take RDP of VM on public IP address and port 3389
- Open internet connection
- VS Code.



LIST OF EXPERIMENTS/CONTENTS TO STUDENTS:-

- Module-1: Microsoft Azure: Introduction

- 1) Cloud Concept
- 2) Introduction to Azure Portal
- 3) LAB-How to Create a Free Azure

Account

- Module-2: Virtual Machine in Azure Portal

- 4) Complete Theory of Virtual Machine
- 5) LAB-How to create a VM in Azure

Portal

in Azure Portal

- 6) LAB-How to Capture an image of a VM

in Azure Portal

- 7) LAB-How to Attach Extra Disk in VM

- Module-3: Azure Virtual Network

- 8) Complete Theory of Virtual Networks
- 9) LAB-How to Create Azure Virtual

Network

between Two VM

- 10) LAB-How to Establish a Connection

- 11) VNET Peering





Module-4: Azure Load Balancer

- 12) Complete Theory of Azure Load Balancer
- 13) LAB-Azure Load Balancer
- 14) Content Delivery Network
- 15) LAB- Content Delivery Network

Module-5: Azure Storage, Backup and Database

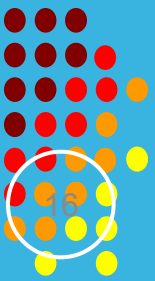
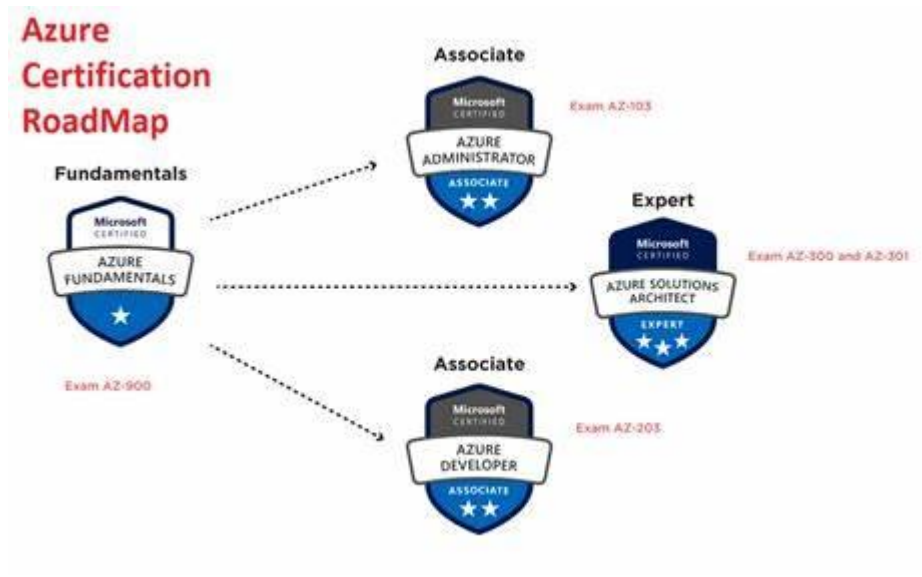
- 16) Complete Theory of Azure Storage
- 17) LAB- How to Create Azure Storage
- 18) Azure Backup and Site Recovery
- 19) LAB-Azure Backup, and Site Recovery

Module-6: Azure Database

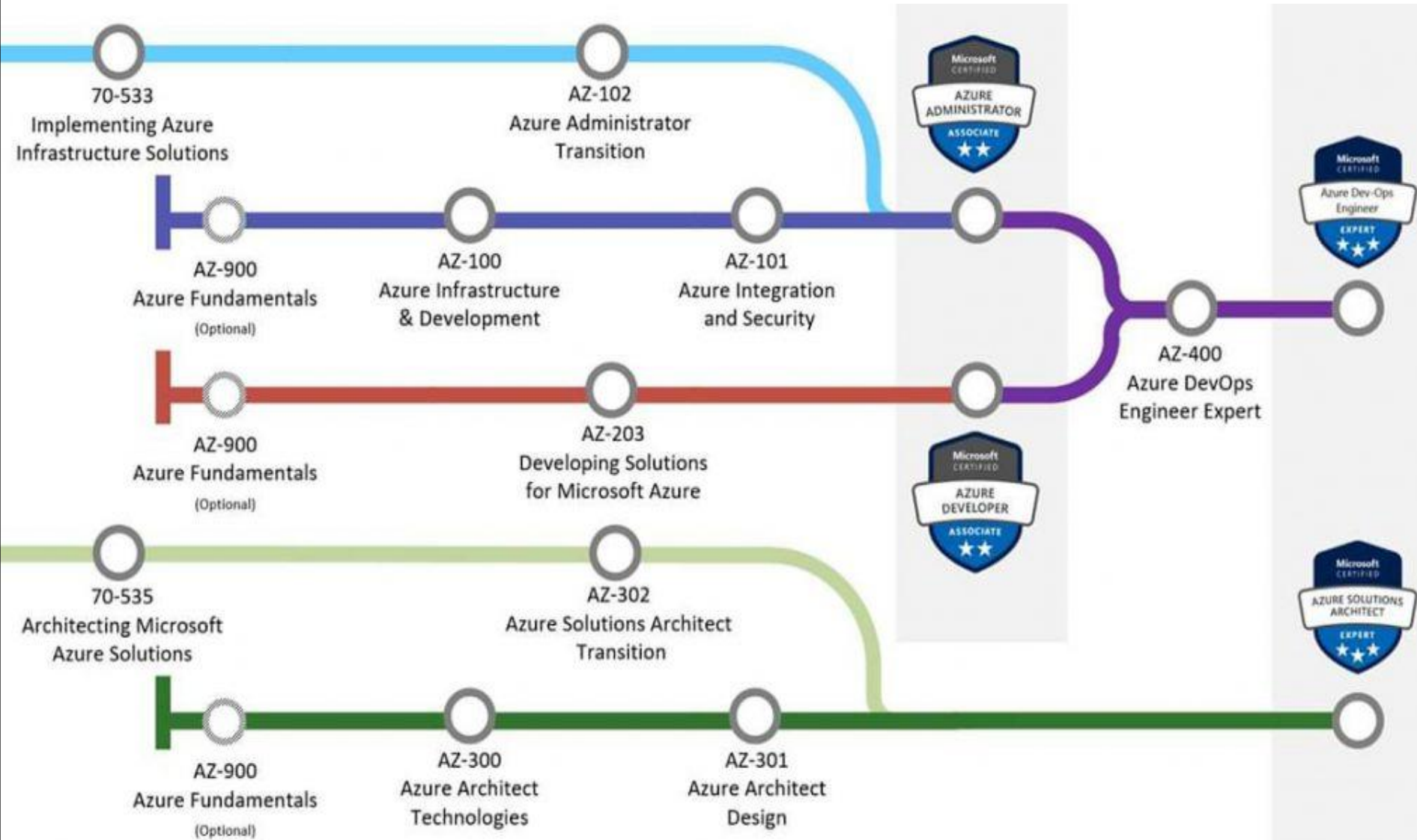
- 20) Azure SQL Database Service
- 21) LAB- Azure SQL Database



Azure ROADMAP:-



AZURE MARKET PLACE



- 1. Microsoft-Certified Students

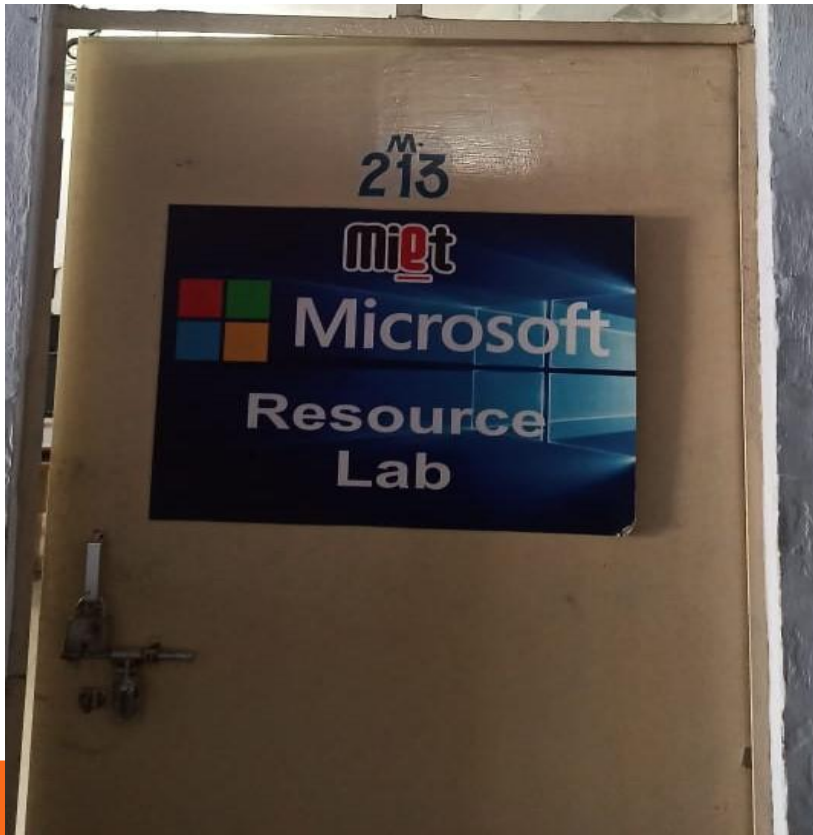
→ A list of total 623 students
have Microsoft Azure Certifications.



2. Placed student (Hanu SELECTED 14 STUDENTS for the “Cloud Engineer” role from MIET.)

S. No.	Name	Email ID	Role
1	Tushar Sharma	tushar.sharma.cs.2019@miet.ac.in	Data
2	Alpika Suman	alpika.suman.cs.2019@miet.ac.in	Data
3	Satakshi	shatakshijain2110@gmail.com	IAAS
4	Vranda Verma	vranda.verma.cs.2019@miet.ac.in	IAAS
5	Meera Raghuvanshi	meera.raghuvanshi.cs.2019@miet.ac.in	PaaS
6	Abhinav Mishra	abhinav.mishra.csit.2019@miet.ac.in	PaaS
7	Simra	simra.muzaffar.cs.2019@miet.ac.in	PaaS
8	Sonal Pahwa	sonal.pahwa.cs.2019@miet.ac.in	PaaS
9	Govind Sharma	govind.sharma.cs.2019@miet.ac.in	PAAS
10	Shristi Sharma	shristi.sharma.cs.2019@miet.ac.in	PAAS
11	Megha Garg	megha.garg.cs.2019@miet.ac.in	Role will be confirmed by Monday
12	Vandana Pathak	vandana.pathak.cs.2019@miet.ac.in	Role will be confirmed by Monday
13	Ishika Arora	ishika.arora.cs.2019@miet.ac.in	Role will be confirmed by Monday
14	Rishita uniyal	rishita.uniyal.cs.2019@miet.ac.in	Role will be confirmed by Monday

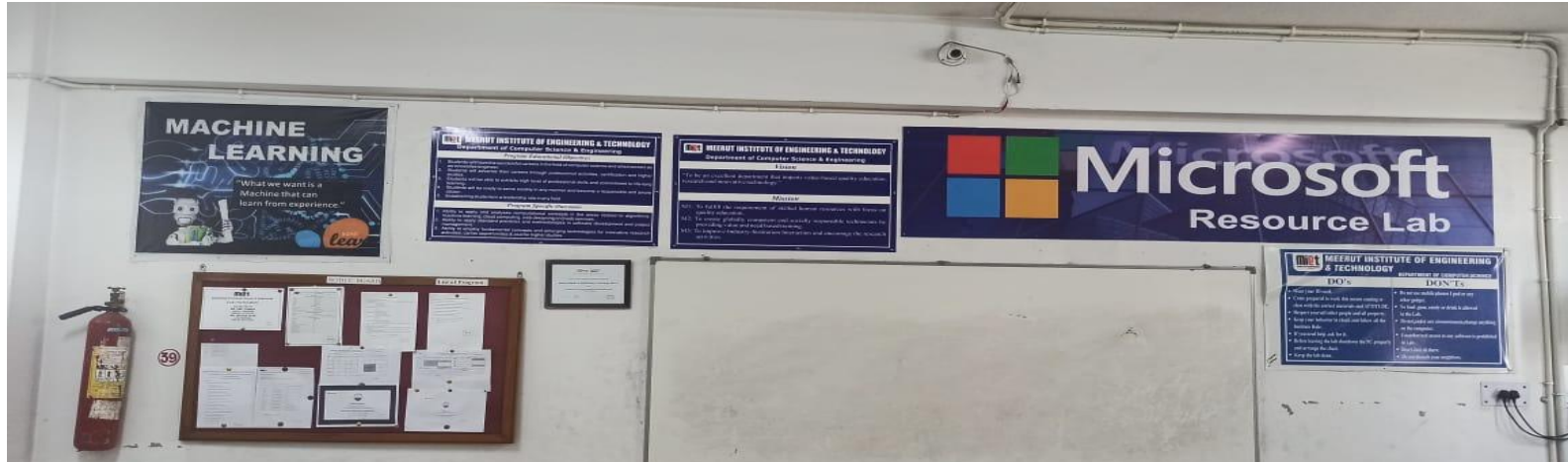


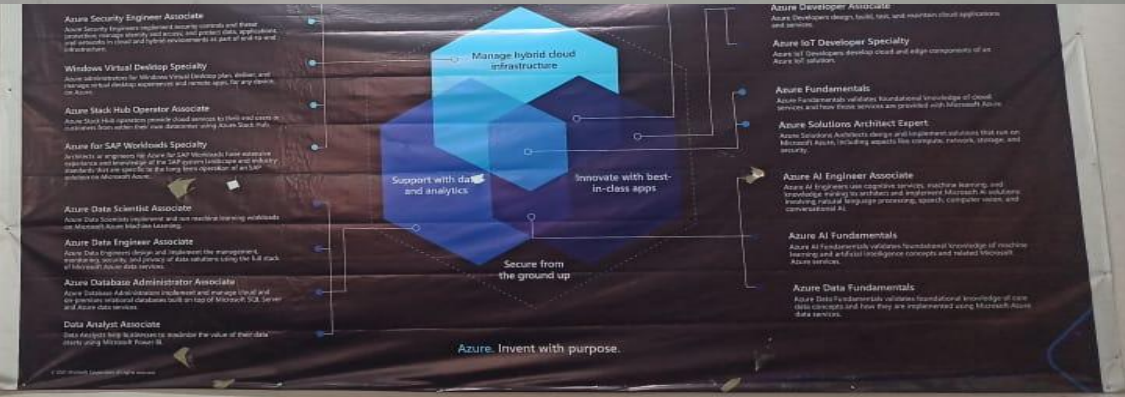


MICROSOFT
AZURE LAB 1 : M-213

MICROSOFT AZURE LAB 2 : M-212











THANK YOU

