

The Microsoft Azure logo, a stylized blue 'A' shape.

Microsoft Azure



SPOC: Ms. Meetu

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Dept. of CSE – IOT

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ii) List of placed students

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Center of excellence: What is it and why create one?

- **Is a discipline within an organization with a specific focus (small scale industry)**
 - **The concept of a center of excellence is**
 - 1. To build out key processes,**
 - 2. Establish a methodology,**
 - 3. Develop expertise across the enterprise**

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.

What is Microsoft Azure used for?

Website and web application hosting



Application Development and Deployment



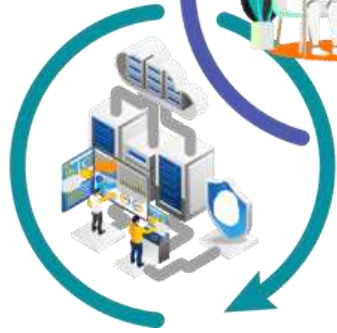
Data Storage and Management



Machine Learning and Artificial Intelligence Workloads



Manage and Secure Resources



Things about Azure

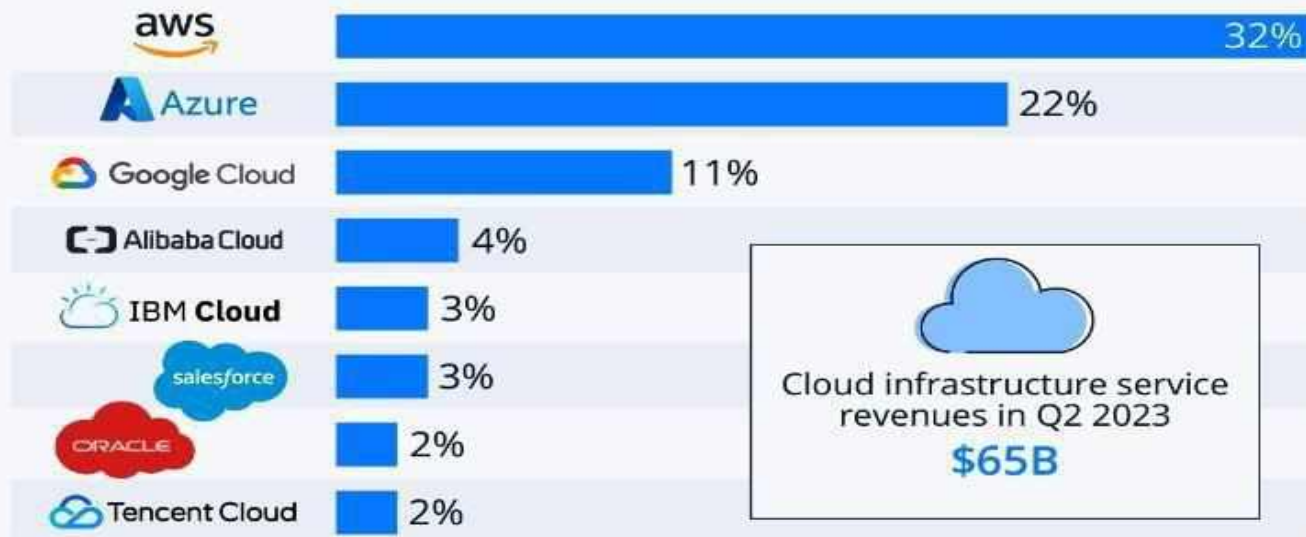
- It was launched on February 1, 2010, significantly later than its main competitor, AWS.
- It's free to start and follows a pay-per-use model, which means you pay only for the services you opt for.
- Interestingly, 80 percent of Fortune 500 companies use Azure services for cloud computing needs.
- Azure 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



Microsoft Azure Services

Client layer
(on-premises)

- Office Add-in
- PC
- Tablet
- Phone
- Browser
- Games console
- On-premises service
- On-premises database

Access Control
Layer

- AD
- Multifactor Authentication

Integration
layer

- BizTalk Services
- Service Bus
- CDN
- Traffic Manager
- Virtual Networks
- Express Route

Application
layer

- API Mgmt
- Mobile Services
- Websites
- Cloud Services
- VM
- Media Services
- Notification Hubs
- Scheduler
- Automation

Data Layer

- Storage
- Blobs
- Tables
- Queues
- Data
- SQL Database
- Machine Learning
- HD Insight
- Caching
- Backup and Recovery
- StorSimple



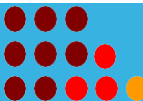
OBJECTIVE:

- 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 active board 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	-





Student Coordinator details

S.NO	NAME	DEPARTMENT
1	BHOOMIKA GOEL	CSE-AI



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



KAMTRON SYSTEMS PVT. LTD.		TAX INVOICE		FORMAL RECEIPT			
KAMTRON SYSTEMS PVT. LTD. 102, 2nd Apartment, No. 2nd Street, New Delhi - 110018 UAM No. DL-0060229-188 GSTIN/ALN: 07AALAC1928W124 State Name: Delhi, Code: DT CIN: U70202DL1999PTC001821 E-Mail: accounts@kamtron.com Telephone: 011-26380007		Invoice No: KMS24-052 Invoice Date: 4-Apr-24 Customer Ref. No: 1095, Address: New Delhi Supplier Code No: MHTPH03003 Supplier Code Date: 24-Mar-24 Supplier Code Date: 24-Mar-24		Invoice No: KMS24-052 Invoice Date: 4-Apr-24 Customer Ref. No: 1095, Address: New Delhi Supplier Code No: MHTPH03003 Supplier Code Date: 24-Mar-24 Supplier Code Date: 24-Mar-24			
Mierat Institute of Engg. & Tech. Nri-55, Bypass Road, Baghpat Crossing, Meerut - 250002 U.P. Tel: 0121-2430007 State Name: Uttar Pradesh, Code: UP UAM No:		Supplier Code No: MHTPH03003 Supplier Code Date: 24-Mar-24 Supplier Code Date: 24-Mar-24		Invoice No: KMS24-052 Invoice Date: 4-Apr-24 Customer Ref. No: 1095, Address: New Delhi Supplier Code No: MHTPH03003 Supplier Code Date: 24-Mar-24 Supplier Code Date: 24-Mar-24			
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No.	Description of Services	HSN/SAC	Qty	Rate	per	Disc. %	Amount
1	MS Wifi Device Edu Along Upgrade SA OLV E VV Acad Ent (Part 8 PWS-00333)	907333	150 Nos.	1500.00	Nos.		225000.00
2	MS Intune Open Faculty Along Sub OLV E 1M Acad AP (12 Months) (Part 8 PWS-00307)	907331	10 Nos.	720.00	Nos.		7200.00
3	MS O365 EDU A3 Cgn Faculty ALNG Sub OLV E 1M Acad AP (12 Months) (Part 8 PWS-00307)	907333	150 Nos.	3000.00	Nos.		450000.00
4	MS O365 A3 Edu Open Student Use Server Along Sub OLV NL 1M Acad (12 Months) (Part 8 PWS-00307)	907331	3000 Nos.				
5	MS O365 A1 Edu Open Student Along Sub OLV NL 1M Acad (12 Months) (Part 8 PWS-00307)	907331	3000 Nos.				
6	MS O365 A1 Edu Open Faculty Along Sub OLV E 1M Acad AP (12 Months) (Part 8 PWS-00307)	907331	150 Nos.				
7	MS Intune Open Along Sub OLV E 1M Acad AP W/ Faculty (12 Months) (Part 8 PWS-00307)	907331	3000 Nos.				
8	MS Azure Active Directory Basic Open Sub OLV NL 1M Acad Student (12 Months) (Part 8 PWS-00307)	907331	3000 Nos.				
9	MS Azure Active Directory Basic Open Sub OLV E 1M Acad AP Faculty (12 Months) (Part 8 PWS-00307)	907331	3000 Nos.				
10	MS Project Online Essentials Open Faculty Along Sub OLV E 1M Acad AP (12 Months) (Part 8 PWS-00307)	907331	150 Nos.				
11	MS Project Online Essentials Open Student Along Sub OLV NL 1M Acad (12 Months) (Part 8 PWS-00307)	907331	3000 Nos.				
GST Output @ 18%							12864.00
Total							138464.00

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MICROSOFT AZURE
ROADMAP FOR NEXT 5 YEARS

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2024-2025



- training and curriculum development
- certifications
- Microsoft Azure fundamentals

2025-2026



- faculty development
- industry projects
- student development
- training and placement

2026-2027



- specialization tasks
- Administrative level certifications.
- Increased no. of labs
- build alumni network

2027-2028



- developer certification
- consultancy projects
- symposium or conference
- focus on customer strategies

2028-2029

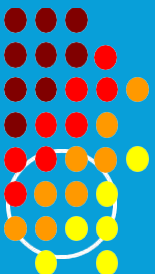
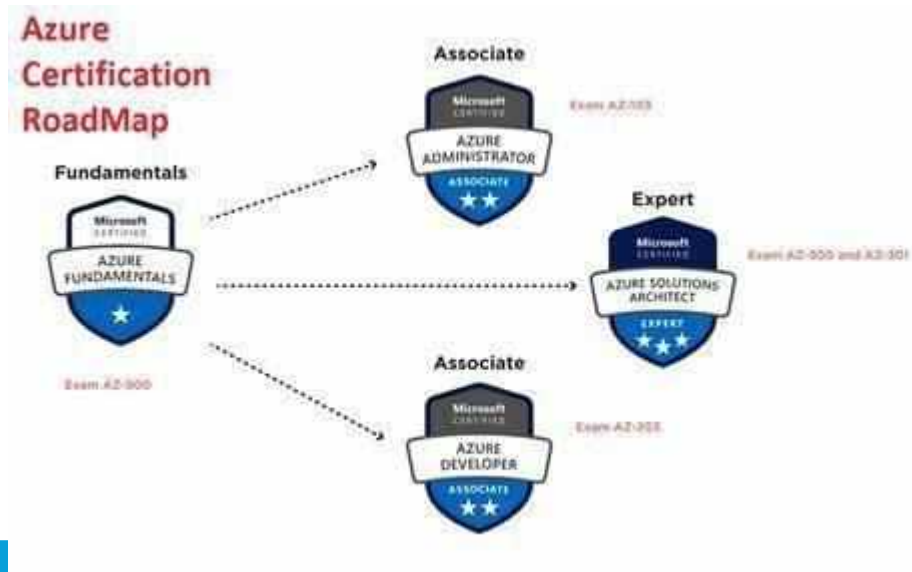


- research and innovation
- expert certification
- Agile and Devops
- Deploy live projects

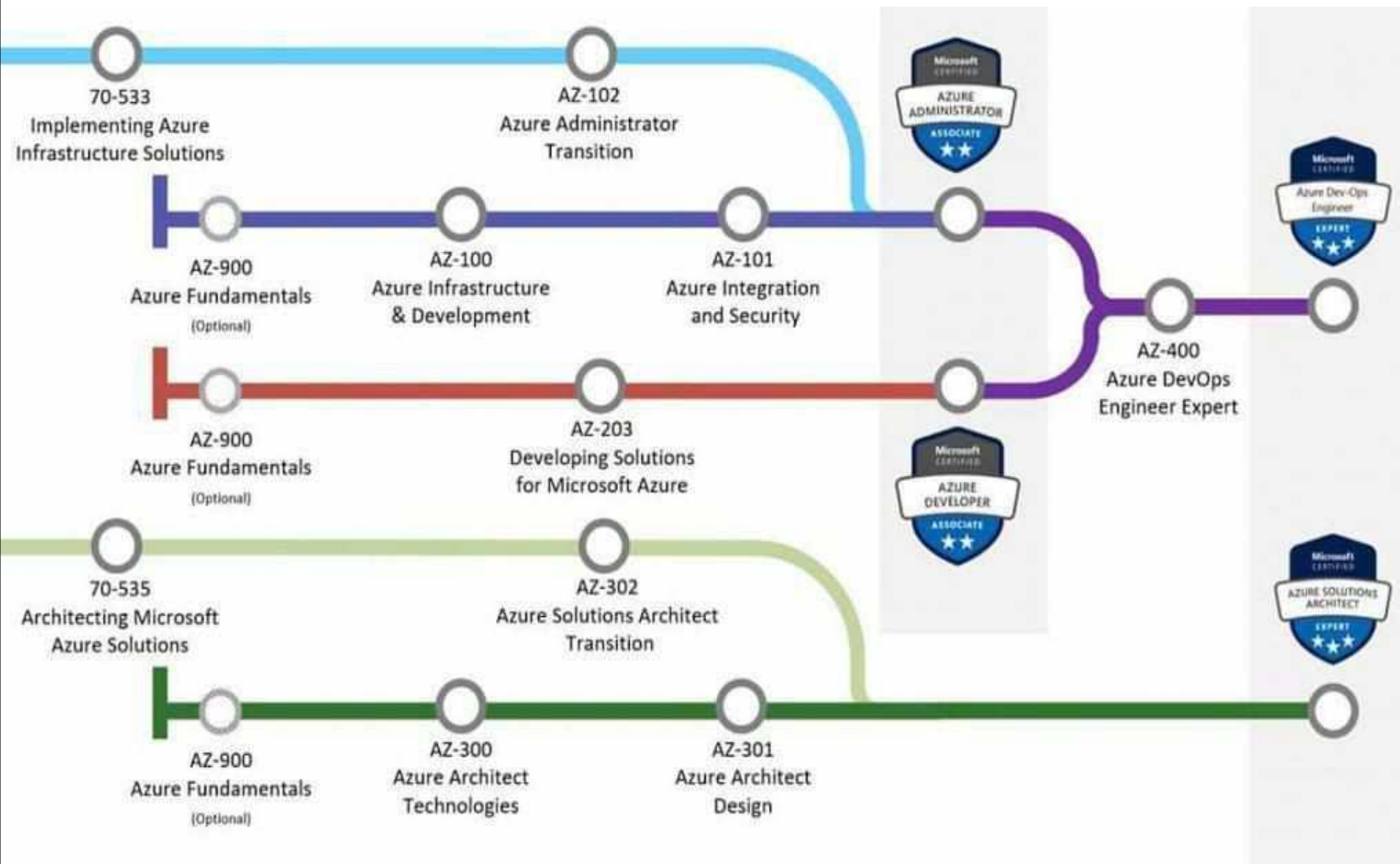
LIST OF EXPERIMENTS/CONTENTS TO STUDENTS:-

- Module-1: Microsoft Azure: Introduction
- Module-2: Virtual Machine in Azure Portal
- Module-3: Azure Virtual Network
- Module -4: Azure Load Balancer
- Module-5: Azure Storage, Backup and Database
- Module-6: Azure Database

CERTIFICATION ROADMAP :-



AZURE MARKET PLACE



Azure Apps and Infrastructure certifications

Fundamentals

Associate

Expert

Microsoft Certified:
Azure Fundamentals
(Optional)



Microsoft Certified:
Azure Administrator Associate



Microsoft Certified:
Azure Developer Associate

More roles to come



Microsoft Certified:
Azure Solutions Architect Expert



Microsoft Certified:
Azure DevOps Engineer Expert

COMING
SOON



Transition Exams Available:
70-532 – take AZ-202
70-533 – take AZ-102
70-535 – take AZ-302



OUTCOME:

1. **Azure 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.)





PHOTO GALLERY



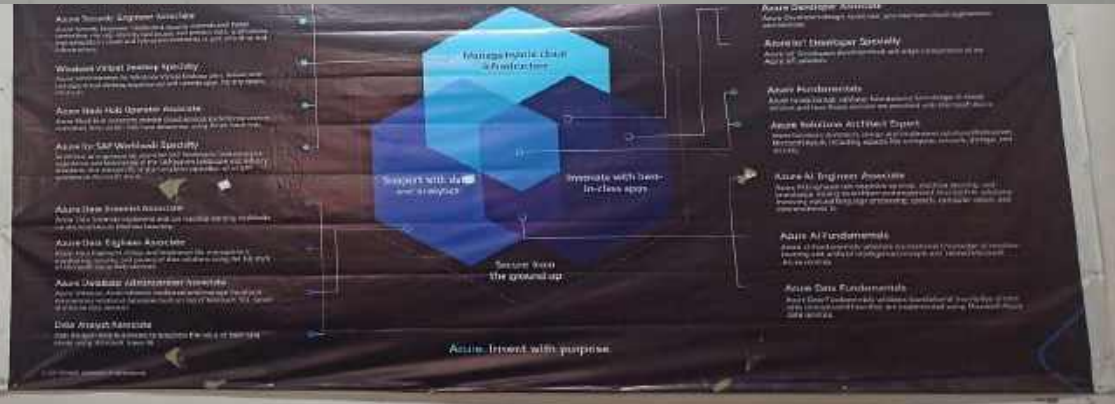
AZURE LAB 1:M-213

MICROSOFT

MICROSOFT AZURE LAB 2:M-212









THANK YOU

