

Microsoft Azure



SPOC: Ms. Meetu

Assistant Professor,

Dept. of CSE - IOT





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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.

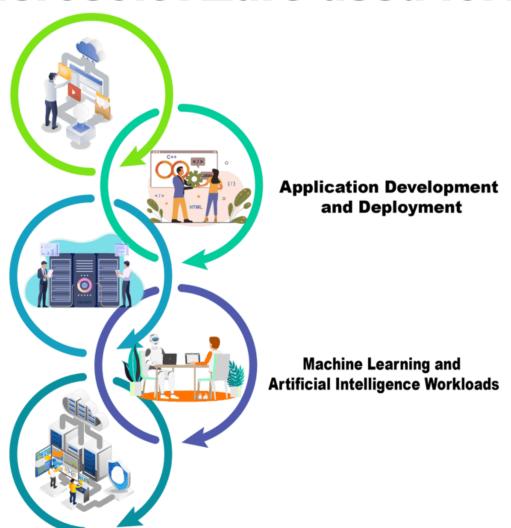


What is Microsoft Azure used for?

Website and web application hosting

Data Storage and Management

Manage and Secure Resources







Things about Azure

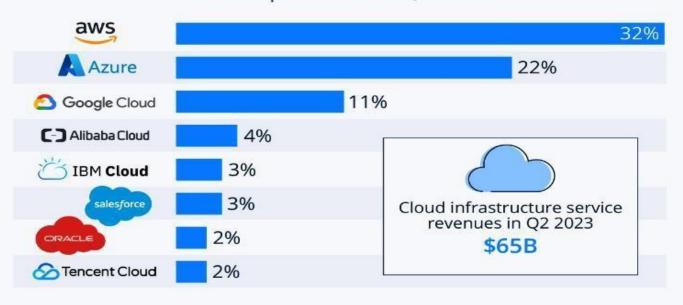
- It was launched on February 1, 2010, significantly later than its main competitor, AWS.
- It's free to start and follows a pay-per-use model, which means you pay only for the services you opt for.
- Interestingly, 80 percent of Fortune 500 companies use Azure services for cloud computing needs.
- Azure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

















Access Control Layer





Integration layer

Application layer

Data Layer







Service Bus

















































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 **Azure KAMTRON SYSTEMS PVT. LTD.**)



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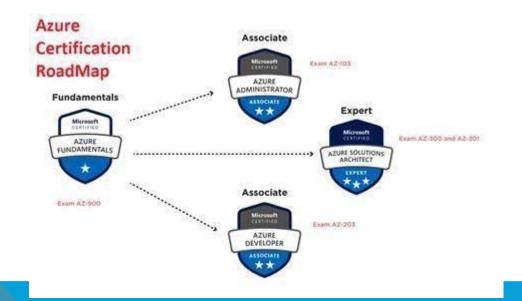
LIST OF EXPERIMENTS/CONTENTS TO STUDENTS:-

- 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:-



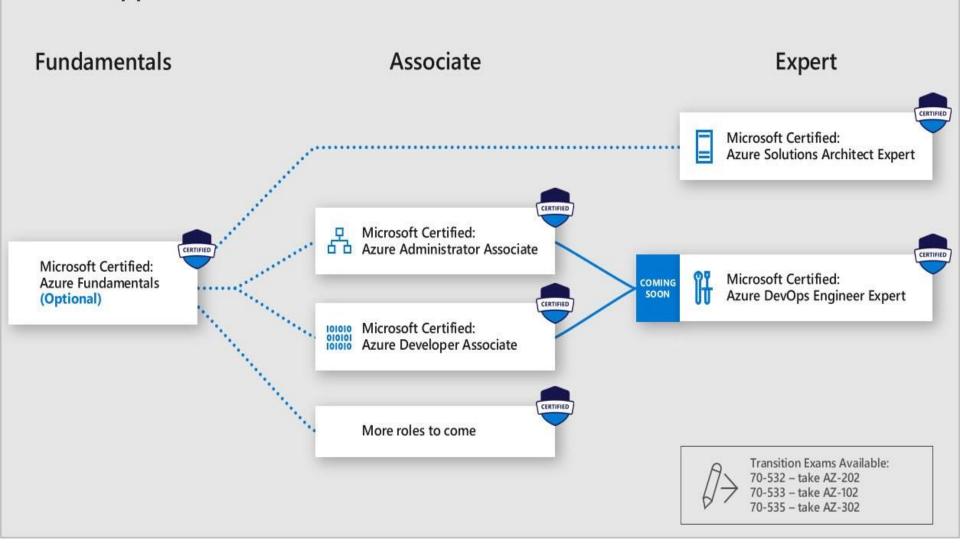


AZURE MARKET PLACE





Azure Apps and Infrastructure certifications







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







MICROSOFT

AZURE LAB 1:M-213

MICROSOFT AZURE LAB 2:M-212















THANK YOU

