
Brief Report of Value Added Course on CAV-21-02 - Introduction to Cloud Computing with Microsoft Azure from 28th March – 12th May, 2022

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Tue, May 24, 2022 at 5:36 PM

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*Brief Report of
Value Added Course (CAV-21-02)
Introduction to Cloud Computing with Microsoft Azure
(28th March- 12th May, 2022)
Organized by
Department of Computer Application
In Association with
Integral University Center for Advanced Training
Integral University, Lucknow*

The Department of Computer Application in Association with Integral University Center for Advanced Training, Integral University, Lucknow organized an online Value-Added Course (CAV-21-02) on **'Introduction to Cloud Computing with Microsoft Azure'** for the University students from all the branches. The Six-weeks Value-Added Course, with 30-hours of active engagement, was organized from 28th March to 12th May 2022 in online mode using ILI (Integral Learning Initiative: A Collaborative Blended Learning Platform).

For advertisement of the course, IUCAT created an HTML Emailer comprising the details of the course along with the registration link and circulate the Emailer to the students through Communication Cell. Total 146 students from all the branches registered in the course, but only 102 students paid the fee to reserve the seat for the online classes. One batch was created to start the course and we have followed evening time from Monday to Friday to deliver the online sessions 2 hours per day with daily assignments, self-learning materials, collaborative learning through discussion forums & groups, assessment through online quizzes and assignments. The entire course sessions of the batch were successfully delivered by an External Trainer Mr. Khalid Jamal (Azure/AWS Certified Trainer).

Learning skills of the students were excellent. They attended the course with full dedication and submitted weekend assignments as per the given deadline. At the end of the course, we have conducted course completion feedback from the participants on ILI and then students can download their certificate if they completed assignments of all the modules.

Total 102 students successfully completed the course and received an e-Certificate. The distribution of e-Certificate was based on student's attendance, submitted assignments and their performance in the online test, conducted at the end of the course.

The Azure cloud platform has more than 200 products and cloud services designed to help you bring new solutions to life - to solve today's challenges and create the future. Build, run and manage applications across multiple clouds, on-premises and at the edge, with the tools and frameworks of your choice.

Cloud computing services are changing how businesses and public institutions use information technology. Today cloud services are available to meet most any IT need. Although there's great variety among cloud computing services, all such services have certain basic features and benefits in common, and all can be categorized into a few basic cloud service types.

From the perspective of service users, cloud computing services have these main features:

- Hosted and maintained by the provider. The cloud hosting provider purchases, hosts, and maintains the necessary hardware and software in their own facility. Service users avoid the capital expenditures and maintenance headaches that they would have if they developed the service themselves on-premise.
- Self-service through a web interface. Service users can initiate specific service functions, and increase or decrease their service usage level, through a web interface with little or no interaction with the service provider.
- Pay for use. Service users pay only for the amount of service that they use. This can result in substantial cost savings compared to the traditional approach of developing on-site IT capacities geared toward maximum usage scenarios, and then having that capacity be under-utilized much of the time.
- Near-limitless scalability. Cloud computing services providers typically have the infrastructure to deliver their service at massive scale. For cloud service users, that means that the cloud can easily accommodate business growth or periodic spikes in service usage.

The Value-Added Course was organized by Department of Computer Application in Association with Integral University Center for Advanced Training under the able guidance of Dr. Mohammad Faisal, HOD, Department of Computer Application, Integral University, Lucknow and was coordinated by Mr. Farooq Ahmad (Assistant Professor, Department of Computer Application and Coordinator, IUCAT).

Key Highlights of the training:

- It was an online interactive learning course.
- Total 146 students from all the branches registered in the Value-Added course.
- The students successfully completed the Value Added Course on “Introduction to Cloud Computing with Microsoft Azure (CAV-21-02)”.
- 102 students successfully completed the course and received an e-Certificate.
- Six-Week online course with 30 hours of active engagement consisting of self-learning materials, collaborative learning through discussion forums & groups, assessment through online Quizzes and Assignments, and feedback from the participants.
- Learning support by Resource person and Facilitators.
- Below is the students count (program wise) received e-Certificate:

B.A. (hons) = 3	BCA = 24	M.Sc. = 6	B.Tech (CSE) = 26	Diploma = 5
BBA = 4	BPT = 2	M.Tech = 2	Research Scholar =2	MCA = 12
B.Sc. = 3	MBA = 4	Pharmacy = 5	Biotechnology 2	B.Tech(ECE) = 2

We have delivered the following course content on “Introduction to Cloud Computing with Microsoft Azure”:

1) Overview of Cloud Computing

- What is Cloud?
- Cloud vs On-premise
- Classifications of Cloud Computing
- IaaS vs PaaS vs SaaS
- Career in Cloud
- Cloud Market Share

2) Microsoft Azure

- Azure Brief History
- Azure Global Infrastructure
- Create Azure Account
- Quick tour of Azure Console
- Azure Services Overview
- Azure Compute Services
- Azure Storage Services
- Azure Database Services
- Azure Networking Services
- Azure Security Services
- Sample Azure Serverless Architecture
- Azure CLI, PowerShell and SDK
- Azure Subscriptions
- Azure Free Tier and Calculator
- Azure Blog and Podcast
- Azure Certifications
- Azure: Pros and Cons

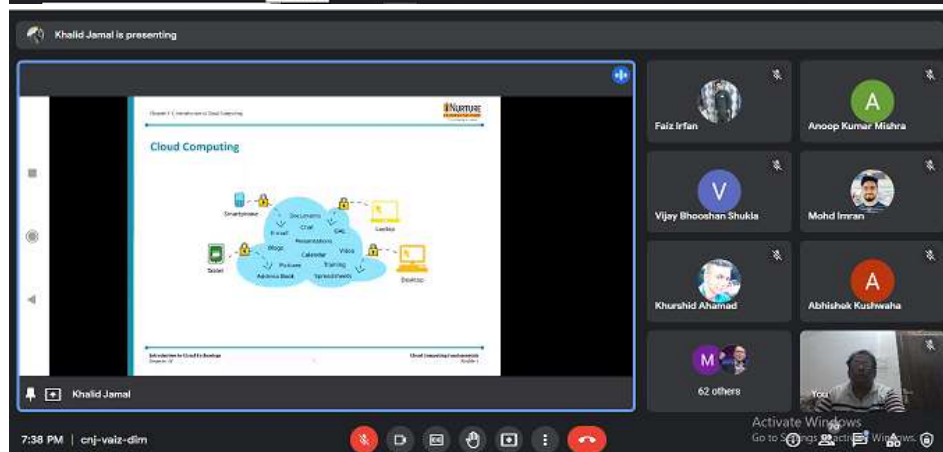
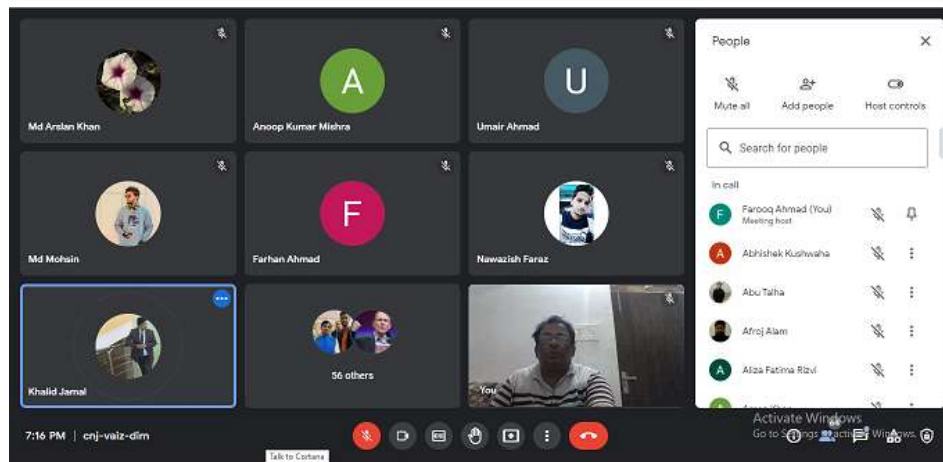


TIME TABLE

Introduction to Cloud Computing with Microsoft Azure (CAV-21-02)

(28th March - 12th May, 2022)

Day/Period	I 9:00-10:00	II 10:30-11:30	III 12:00-1:00	IV 1:00-2:00	V 2:00-3:00	6:00-8:00 p.m.
Monday						Microsoft Azure Certification Course Trainer: Khalid Jamal
Tuesday						Microsoft Azure Certification Course Trainer: Khalid Jamal
Wednesday						Microsoft Azure Certification Course Trainer: Khalid Jamal
Thursday						Microsoft Azure Certification Course Trainer: Khalid Jamal
Friday						Microsoft Azure Certification Course Trainer: Khalid Jamal
Saturday						



Khalid Jamal is presenting

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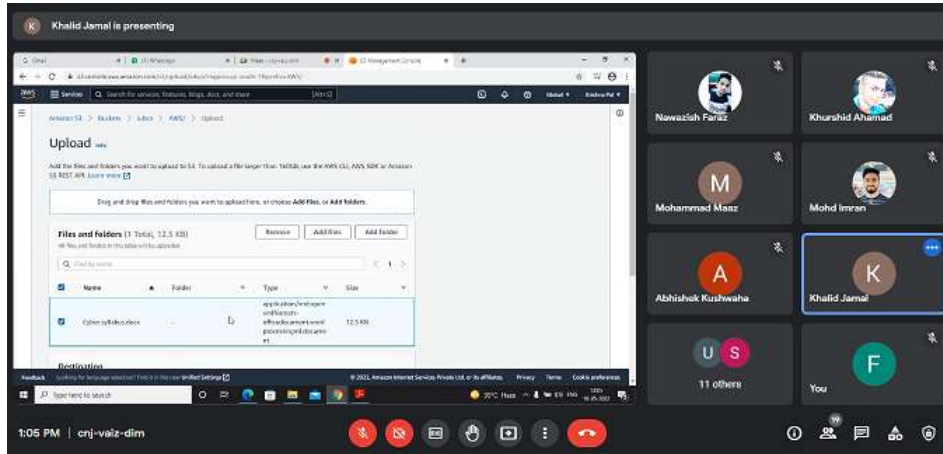
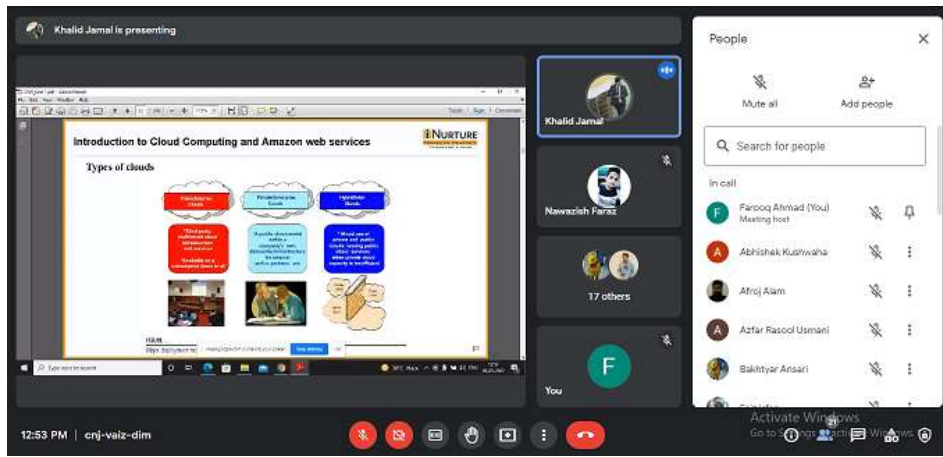
Eram Fatima Siddiqui is presenting

Service name	Description	Type	First monthly amount	Free period
Azure App Service	Get personalized recommendations and personalized for people	Management and governance	Unlimited	Always
Azure DevOps	Learn, practice and make your code ready with integrated toolchain.	CI + DevOps tooling	\$1000 (maximum for free)	12 months
Azure DevOps	Share and manage configurations for all your Azure resources	Deployment tools	\$1000 (maximum for free)	12 months
Azure App Service	Builds, deploys, and runs your apps in the cloud with the power of Azure App Service. No need to manage servers or infrastructure.	Application	\$0.00 (maximum of \$1000) per month	Always
Azure Storage	Store and manage your essential data with fully managed, enterprise-grade (99.9999999999% availability) storage.	Storage	\$0.00 (maximum of \$1000) per month	Always
Azure Automation	Simply create management and process automation.	Management and governance	Unlimited (maximum of \$1000) per month	Always
Azure Active Directory (Azure AD)	Secure identity and access management in the cloud.	Networking	\$0.00 (maximum of \$1000) per month	Always

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Eram Fatima Siddiqui is presenting

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