Program Report- IOC Industry Oriented Course

1	Name of the Activity/Event	Guest Lecture on Principles of Operating Systems
2	Date of Activity/Event	21/07/2023
3	Organized by/Name of the committee	Narayana Engineering College CSE Department
4	Place of Activity/event	Sri Ramanujam Seminar Hall C Block
5	Resource person/guest/organization	Mr.P.Basha, Asst Professor Dept of Data Science Mohan Babu University Tirupati
6	Type of activity/Event	Guest Lecture
7	Activity/Event objectives	1.

8	Participation	Students	Faculty	Total Participation
		198	5	203

9	Suggested Improvements	Need some more sessions practical environment is suggested .
10	Enclosures	Event Photos
11	Signature of Incharge/convener	

Department of CSE has conducted a event as a part of curriculum Industry Oriented Course on Microsoft Azure 23/06/2023 and 24/06/2023. Microsoft Azure, often referred to as Azure, is a cloud computing platform run by Microsoft, which offers access, management, and development of applications and services through global data centers.
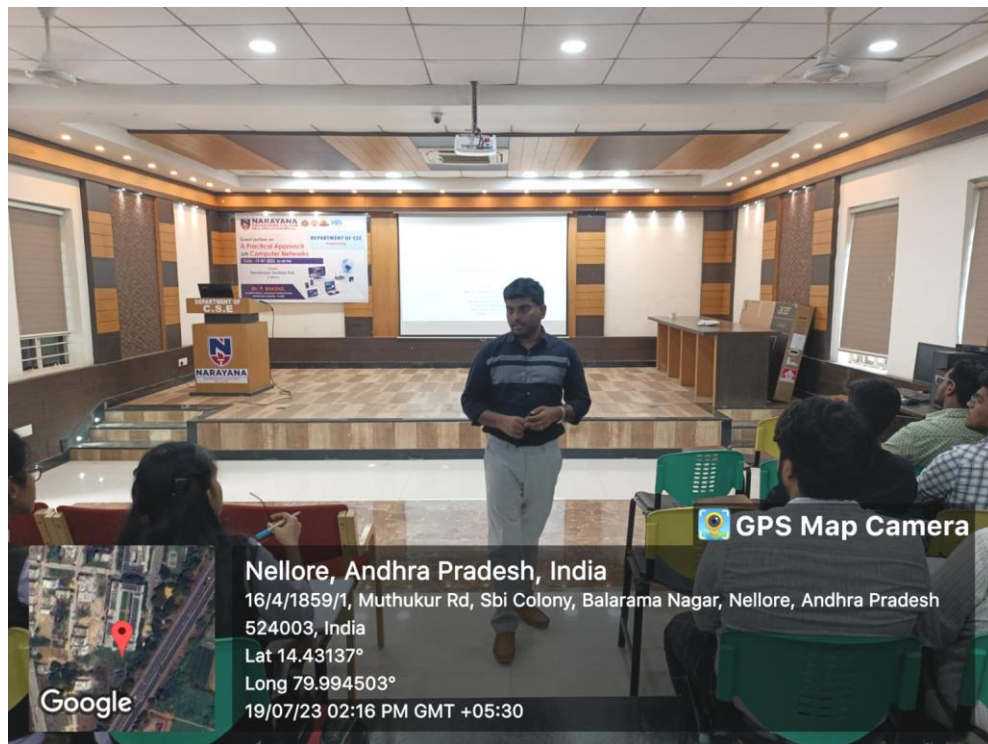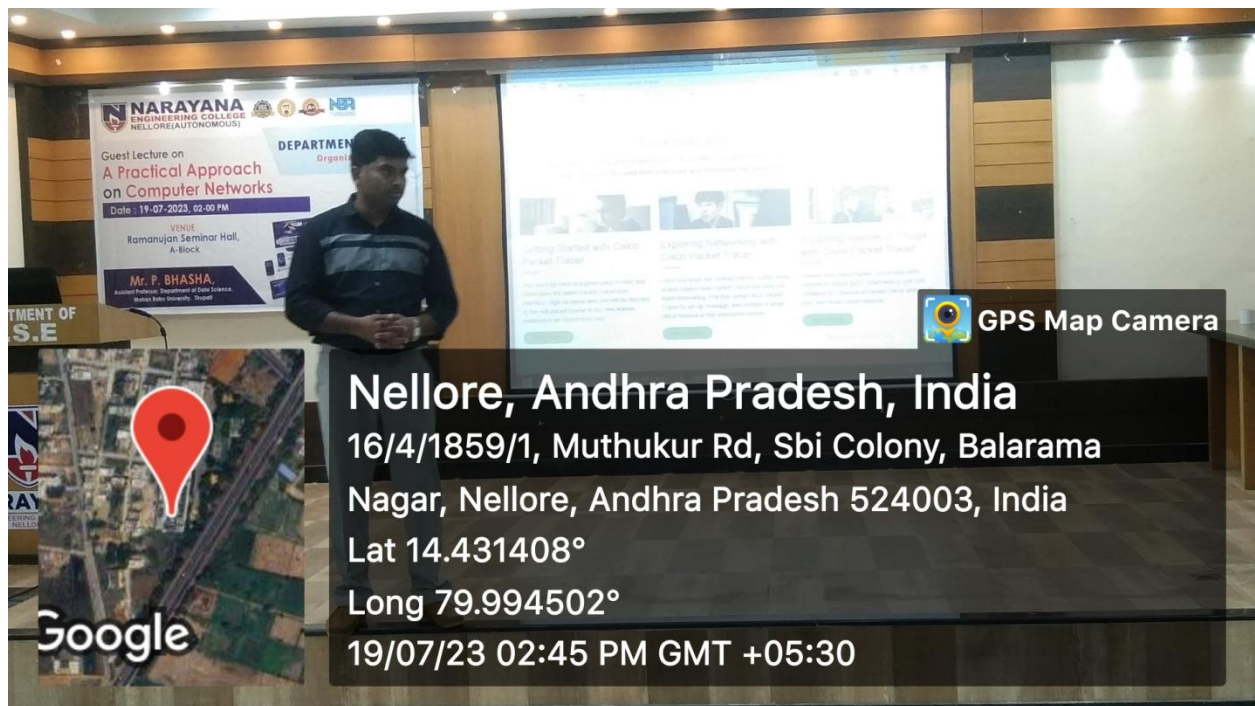
Resource Person delivering key concepts to the students

Resource person explained about the key points of Microsoft Azure and virtualization process of Microsoft Azure.

Key points discussed:

Computer services on Micrsoft Azure:

WebJobs, are applications that can be deployed to an App Service environment to implement background processing that can be invoked on a schedule, on demand, or run continuously. The Blob, Table and Queue services can be used to communicate between WebApps, XYZ, iOS Software and WebJobs and to provide state.

Data management:

- Azure Data Explorer provides big data analytics and data-exploration capabilities
- Azure Search provides text search and a subset of OData's structured filters using REST or SDK APIs.
- Cosmos DB is a NoSQL database service that implements a subset of the SQL SELECT statement on JSON documents.
- Azure Cache for Redis is a managed implementation of Redis.
- StorSimple manages storage tasks between on-premises devices and cloud storage.
- Azure SQL Database works to create, scale and extend applications into the cloud using Microsoft SQL Server technology. It also integrates with Active Directory, Microsoft System Center and Hadoop
- Azure Synapse Analytics is a fully managed cloud data warehouse.
- Azure Data Factory, is a data integration service that allows creation of data-driven workflows in the cloud for orchestrating and automating data movement and data transformation.
- Azure Data Lake is a scalable data storage and analytic service for big data analytics workloads that require developers to run massively parallel queries.
- Azure HDInsightis a big data relevant service, that deploys Hortonworks Hadoop on Microsoft Azure, and supports the creation of Hadoop clusters using Linux with Ubuntu.
- Azure Stream Analytics is a Serverless scalable event processing engine that enables users to develop and run real-time analytics on multiple streams of data from sources such as devices, sensors, web sites, social media, and other applications.

Faculty Incharge   **CSE- HOD**