NEW HORIZON
COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION SCIENCE and ENGINEERING

Expert Talk

On

"Beyond Connectivity: Cloud-Powered Networks and Intelligent Infrastructure"

Participants: **VII Semester Students** **Date: 02-11-2026**

Brief Description of the Event:

On 02nd November 2026, the Department of Information Science and Engineering hosted an expert talk on "Beyond Connectivity: Cloud-Powered Networks and Intelligent Infrastructure." The aim of this session was to provide deep technical and strategic insights into how cloud computing and artificial intelligence are redefining modern network infrastructures beyond basic data transmission.

It sought to help participants understand the convergence of software-defined networking, edge intelligence, autonomous network operations, and high-performance cloud architectures.

Key Points Covered:

The expert initiated the session by emphasizing the shift from traditional static network topologies to self-healing, cloud-native intelligent infrastructures. The discussion walked participants through the journey of network evolution—from infrastructure provisioning to intelligent orchestration—highlighting how real-time data telemetry and AI-driven automation optimize network resilience and efficiency.

Key points covered during the session included:

- Overview of Cloud-Native Networking and Software-Defined Infrastructure (SDN/NFV) integration.
- Role of Edge Computing and Multi-Access Edge Computing (MEC) in delivering low-latency intelligent workloads.
- Application of AI/ML algorithms in predictive traffic routing, automated anomaly detection, and self-optimizing network (SON) frameworks.
- Security architectures for distributed cloud networks, focusing on Zero Trust Network Access (ZTNA) and dynamic policy enforcement.
- Real-world enterprise and telecom use cases, including 5G/6G core virtualization, smart city IoT grids, and automated cloud data centers.

The session was highly interactive, allowing students and faculty to engage in discussions around edge-cloud orchestration, network slice management, and career opportunities in modern cloud engineering.

Feedback from participants was overwhelmingly positive, with high appreciation for the technical clarity, practical system models, and industry insights shared by the speaker. The session motivated students to pursue project work and advanced studies in cloud networking, virtualization, and intelligent edge systems.

Activities Conducted: NIL

No. Of Participants: 65

Winners (if any, for activities conducted): NA

Guest Details (Name, Designation, Organization, Location):

Mr.SARISH SETHUMADHAVAN

Senior Director

Artizent Infosystems Private Limited, Banglore

The Brochure



GLIMPSES OF THE EVENT





Faculty Coordinator
Ms. Rosemary Chacko

HOD-ISE
Dr. Asha Joseph