




# Expert Session on “Hands-On Cloud Computing”


The Bhulabhai Vanmalibhai Patel Institute of Computer Science, UTU organized an insightful expert session on “Hands-On Cloud Computing” on 12<sup>th</sup> March 2025. Attended by around **100 students from the BCA 6th Semester**, the session reflected a strong interest in emerging cloud technologies. It was skilfully conducted by **Mr. Subham Ruhela**, Deputy Assistant Manager at **NJ Technologies-Surat**, who brings a year of industry experience in developing server-side components, integrating systems, and continuous learning. The session began with a warm welcome and introduction by **Mr. Amish Patel**, setting the tone for a highly engaging and knowledge-rich experience.

Expert Session  
**Hands-on  
Cloud Computing**

  
UKA TARSADIA  
UNIVERSITY  
HALIBA CAMPUS



*by*  
**Mr. Shubham Ruhela**  
Deputy Assistant Manager,  
NJ Technologies, Surat  




**Session Coordinators:**  
Mr. Amish Patel  
Ms. Mubashshirahbanu Shekh  
  
**Date: 12th March, 2025**  
**Time: 8:30 AM – 10:30 AM**  
**Venue: B105, SRIMCA, UTU**

**Organized By,**  
B. V. Patel Institute of Computer Science,  
**UKA TARSADIA UNIVERSITY**

Mr. Ruhela began with the fundamentals of **Cloud Computing**, explaining its growing significance in the IT world. He illustrated real-life applications using platforms like **Netflix** and **Google Drive**, making the concepts relatable to students. He went on to explain the three main **Cloud Service Models** such as IaaS, PaaS, and SaaS with practical examples to clarify their roles in development and deployment.



Students created **free-tier accounts on AWS**, explored **open-source tools** like **MinIO**, **Nextcloud**, and learned how to Launch a Linux server instance, Set up cloud object storage, Host a static website using platforms like AWS S3, Deploy Docker containers using **Kubernetes - Minikube**. He has also introduced tools like **Prometheus** and **Grafana** for monitoring and visualizing cloud operations, giving students a complete ecosystem view of cloud infrastructure.



The session concluded with an engaging **Q&A**, where students clarified doubts and discussed **career opportunities in Cloud Computing**. **Mr. Meet Chaudhary**, a BCA 6th Semester student, shared positive feedback, highlighting how the live demonstrations gave him practical confidence in working with cloud platforms. Finally, **Ms. Mubashshirahbanu Shekh** presented a memento as a token of appreciation, marking the end of a highly enriching session.