



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF CSE - DATA SCIENCE

Event: "AZURE -Continuous Integration & Continuous delivery"

Venue: Room C204

Time-11:00 AM-1:00PM

NEW HORIZON
COLLEGE OF ENGINEERING

Department of Computer Science and Engineering (Data Science)

Expert Talk

Azure CI/CD

📅 11 March 2025

🕒 11:00 AM - 01:00 PM

📍 C-203, Chhatrapati Shivaji Block

👥 4th Semester Students

Faculty Coordinator
Ms. Swati Sehgal
Assistant Professor, CSE (DS)

Convenor
Dr. B Swathi
Associate Professor and HoD, CSE (DS)

Ms. Someo Priyadarsini Mangaraj
Senior Digital platform Engineer
Xebia IT & Architect Solution

On the 11th of March 2025, the Department of Computer Science and Engineering (Data Science) hosted a workshop on “**Azure - Continuous Integration & Continuous Delivery.**” The session was organized for **fourth-semester** students to introduce them to the foundational concepts of automating the software development lifecycle. The workshop was delivered by **Ms. Someo Priyadarsini Mangaraj**, a **Senior Digital Platform Engineer at Xebia IT & Architect Solution Pvt. Ltd.**, who has over five years of experience in the software development lifecycle (SDLC).

As a leader of a team implementing Azure DevOps and Kubernetes solutions for a major Indian bank, **Ms. Mangaraj** has been responsible for designing and deploying a robust Kubernetes stack that includes EKS, Istio, Kong, Prometheus, Grafana, Kiali, Jaeger, Kafka, Elasticsearch, and more. Her role involves extensive cloud solutions with AWS, leveraging services such as EKS, Kafka, Redis, Secret Manager, and VPC. She is proficient in using Helm to manage Kubernetes applications and has implemented the Istio service mesh integrated with the Kong API gateway to enable mTLS and canary deployments. Additionally, her expertise includes provisioning AWS infrastructure using Terraform and utilizing monitoring tools like Prometheus, AppDynamics, and Dynatrace to ensure seamless infrastructure management. **Ms Mangaraj's dynamic role exemplifies a blend of technical expertise, strategic solutions,** and effective team leadership to achieve organizational objectives.





The workshop featured a hands-on approach, allowing students to work on real-world datasets and apply the concepts learned. A sales data case study allowed participants to clean, analyze, and visualize data to draw meaningful insights. This interactive format, combined with live demonstrations and collaborative problem-solving, ensured that students gained practical experience and confidence in their analytical skills. Resources like datasets, Python scripts, and SQL queries were shared for further practice.

Participants expressed enthusiasm for the session, appreciating the clarity of explanations and the topics' relevance. The Q&A segment provided insights into career opportunities in data science, further motivating students. Overall, the workshop successfully equipped participants with essential tools and techniques for exploratory data analysis, setting a strong foundation for their academic and professional growth in the field of data analytics.



Faculty Coordinator

Asst Prof.

SWATI SEHGAL



Convenor

HOD-CSE-DS

Dr. BASAVARAJU SWATHI