



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Workshop on “From Development to Production - How Applications are deployed in DevOps”

Participants : 5th-Semester Students

Date: 10-10-2025

Brief Description of the Event

On 10th October 2025, Department of ISE in association with the Center of Excellence Lab, Juniper Networks, hosted a workshop on “From Development to Production – How Applications are Deployed in DevOps” by Mr. Sayandeep Chatterjee, Senior Software Engineer, Privacy Bangalore. The workshop provided participants with a comprehensive understanding of the DevOps lifecycle, emphasizing the seamless transition of applications from development to production.

It covered essential concepts such as Continuous Integration (CI), Continuous Deployment (CD), Automation, Containerization, and Monitoring. Participants learned how DevOps bridges the gap between development and operations teams to deliver faster, more reliable software. Through practical demonstrations, attendees gained insights into modern deployment pipelines, version control, and cloud-based environments used in real-world DevOps scenarios.

Key Points Covered

- **Introduction to DevOps**

Participants gained a foundational understanding of DevOps principles and its significance in modern software development. The session highlighted how DevOps promotes collaboration between developers and operations teams for continuous delivery and faster innovation.

- **DevOps Lifecycle**

The stages of the DevOps lifecycle include planning, coding, building, testing, releasing, deploying, operating, and monitoring were explained in detail, showcasing how Automation streamlines the entire process.

- **Continuous Integration and Continuous Deployment (CI/CD)**

Students explored how CI/CD pipelines automate code integration, testing, and deployment. Real-world examples demonstrated how tools like Jenkins, GitHub Actions, and Docker are used to achieve seamless delivery from development to production.

- **Containerization and Cloud Deployment**

The importance of Docker and Kubernetes in creating portable, scalable applications was discussed. Participants understood how cloud platforms enable reliable deployment and scaling of services in production environments.

- **Monitoring and Feedback Loops**

The workshop emphasized the need for continuous monitoring, logging, and feedback using tools like Prometheus and Grafana to ensure performance, reliability, and quick issue resolution.

Outcome

By the end of the workshop, participants gained:

- A strong understanding of the DevOps culture and lifecycle.
- Practical knowledge of how applications move from development to production through automation and CI/CD pipelines.
- Insights into using containerization tools for efficient deployment and scaling.
- Awareness of cloud-based deployment models and monitoring techniques.
- Motivation to explore DevOps tools and career opportunities in cloud and automation technologies.

Activities Conducted: NIL

No. Of Participants: 68

Winners (if any, for activities conducted): NA

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

Mr. Sayandeep Chaterjee, Senior Software Engineer, Privafy-Bangalore.

The Brochure of the Event



Department of Information Science and Engineering

Workshop

**From development to production -
how applications are deployed in DevOps**

📅 10 October 2025
🕒 11:00 AM - 01:00 PM
📍 C-523, ISE Dept
👤 5th Semester Students



Mr. Sayandip Chatterjee
Senior Software Engineer
Privafy - Bangalore

Coordinators
Ms. Shubhi Srivastava
Senior Assistant Professor
ISE

Convenors
Dr. Vandana C P
Associate Professor
HoD-ISE

Dr. R J Anandhi **Dr. Manjunatha**
Dean-Academics Principal, NHCE

Glimpse of the Event





Faculty Coordinator

Shubhi Srivastava

HoD-ISE

Dr.Vandana.C.P