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Poster presentation Report

Activity Title:

Poster Presentation on DevOps Lifecycle, Git, CI/CD Pipeline, Docker Containers, and Continuous Integration using Jenkins

Date:

1st and 2nd, 6th April 2026

Venue:

Department Lab 301

Purpose:

To provide students with practical and theoretical understanding of modern software development practices including DevOps lifecycle, version control using Git, CI/CD pipelines, containerization using Docker, and continuous integration using Jenkins. The activity aimed to enhance students' industry readiness and technical skills.

Speaker:

Student Presenters

Audience:

Third Year Engineering (T.E) Students

Activity Performed:

The poster presentation was conducted over two days, where students presented topics related to DevOps and modern development tools. Students explained the DevOps lifecycle including planning, development, testing, deployment, and monitoring. Presentations included demonstrations of Git for version control, CI/CD pipeline concepts, and automation processes. Students showcased Docker for containerization and explained how applications can be deployed in isolated environments. They also demonstrated continuous integration

using Jenkins, including build automation and deployment workflows. The session encouraged peer learning, interaction, and technical discussions.

Activity Outcome:

Students gained a clear understanding of DevOps concepts and lifecycle. They developed practical knowledge of Git and version control systems. Participants understood CI/CD pipeline workflows and automation processes. Students learned containerization using Docker and its real-world applications. They gained exposure to Jenkins for continuous integration. Overall, the activity improved presentation skills, teamwork, and technical confidence.

Feedback:

Students found the activity informative and engaging. They appreciated the hands-on approach and real-world relevance of the topics.

Photos:



Coordinator

Prof. Vandana Nikam

HoD

Prof. S.N. Deshpande