- **Sessions Overview:**

I have been immersed in the world of collaborative tech, learning the secrets of smooth software development, from DevOps magic to blockchain marvels. Every day was packed with automation, monitoring, and continuous everything—all to make software fly. Now, I'm ready to deep dive into DevOps and see how it's redefining the SDLC landscape.

- **Key-Learning:**

Concepts Learned:

★ Understanding the core principles of DevOps, including Version Control System, continuous integration and deployment.

★ Understanding of Agile and penetration of various methodologies in SDLC.

★ Understanding of difference between Agile and DevOps.

★ Understanding of scrum, difference between scrum and agile methodology and its use in IT Industry for Project Development

★ Use of git and various commands, CI/CD pipelines through Github action

★ Understanding of Blockchain including Inter planetary File System and solidity, hashing and chain creation implementation using ipfs.

★ Understanding of Dockers, Docker file, loading images on it and container creation.

Tools explored:

→ Git

→ Python

→ Jenkins

→ Docker

→ EEGLab

- **Methodologies and Best Practices:**

I studied the integration of agile approaches with academia. investigated methods for version control. investigated the integration of the CI/CD pipeline and version control system in DevOps. The following speakers—Rushikesh Joshi, Arvind W. Kiwelekar, Rajesh Rajguru, Pravin Mukhedkar, Dharmendra K. Yadav, Upendra Kulkarni, Amerandra Singh Yadav, Mahendra Paratap Yadav, and Chintamani Bhagwat—deliver their lessons using an entirely practical approach. Every session was quite helpful, simple to comprehend, and shown using examples from real-life case studies.

- **Reflections:**

DevOps isn't just software or tools, it's a revolutionary mindset. It breaks down walls between development and operations teams, fostering collaboration and shared responsibility. Engineers become multi-faceted, fluent in both worlds. This integration, fueled by communication, collaboration, and continuous learning, sparks a fire in students' eyes, making academia a vibrant playground of discovery.

- **Action Plan:**

Inspire and Equip:

Ignite a passion for DevOps in curious minds, transforming them into confident specialists.

Equip students with the knowledge and tools they need to thrive in the ever-evolving software development landscape.
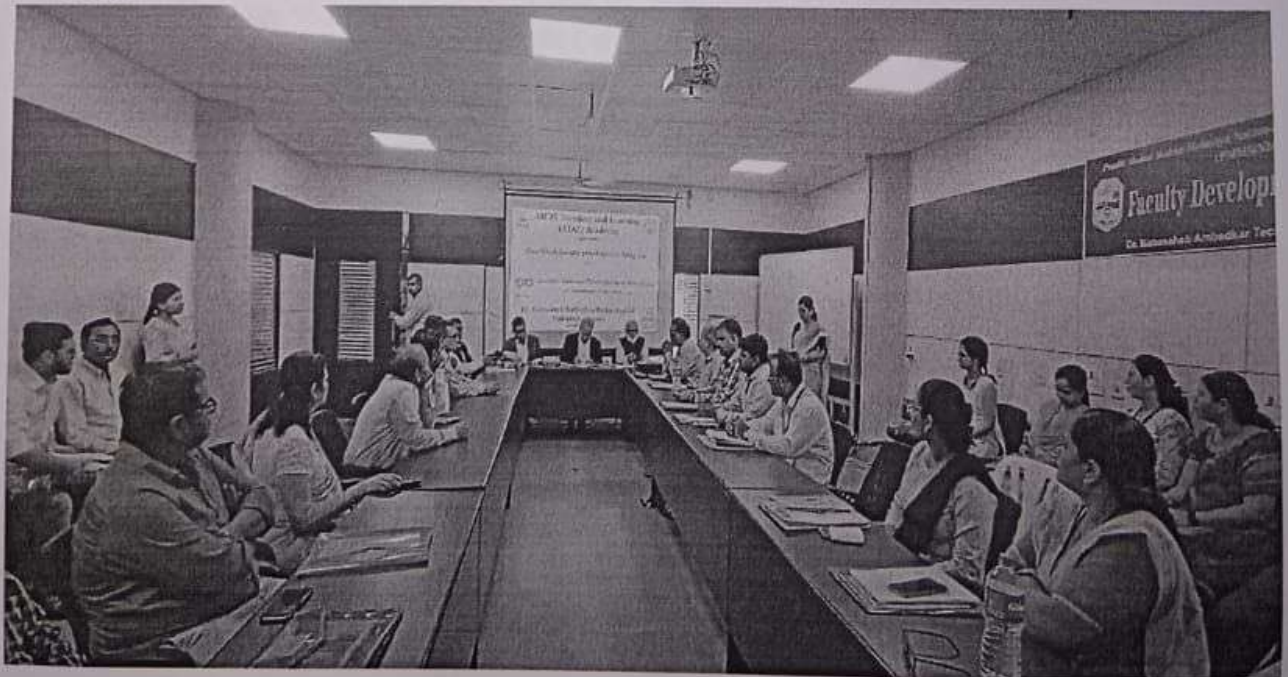
Bridge the Gap:

Build a curriculum infused with cutting-edge DevOps practices, bridging the gap between theory and the real world.

★ Empower students to navigate the modern software development landscape with ease and proficiency.

❖ **Overall Reflection:**

This workshop didn't just about know the concepts; it was about seeing them breathe in the trenches. This hands-on immersion skyrocketed our DevOps expertise.

❖ **Photos: -**

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AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that Mr. Pradip Nanasaheb Shendage, Assistant Professor of Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on DevOps: Software Development and Operations at DR BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY LONERE from 27/11/2023 to 02/12/2023

Coordinator

Bureau Head (ATAL)

FDP Certificate

Participant Signature

**Head,
AIDS**