

A Report on Workshop on "DevOps"
Organised by Department of CSE-Artificial Intelligence
in collaboration with ISTE Student Chapter
on 23.10.2024



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Madanapalle - 517325, Annamayya Dist., Andhra Pradesh, India

Hearty Welcome to
AI DEPARTMENT
STUDENTS VISIONARY COMMUNITY
INAUGURATION
Organized by Department of
Computer Science & Engineering (Artificial Intelligence)
In Association with ISTE Student Chapter

Chief Guest

Mr. B. Jagadish Kumar
Senior Manager - Devops
TCS - Hyderabad

ONE DAY HAND'S ON WORKSHOP ON DEVOPS
Inauguration Venue : Auditorium
Workshop Venue : Lab WB -223

Chief Patron Dr. N. Vijaya Bhaskar Choudary
Patron Mrs. Keerthi Nadella
Program Chair Dr. C. Yuvaraj
Convener Dr. K. Chokkanathan
Coordinator Mr. Toralakar Pawan
Co - Coordinators Mr. P. Kiran

Secretary & Correspondent Executive Director Principal HOD/ Dept. of CSE(AI) Asst. Prof / CSE-AI Asst. Prof / CSE(AI)

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Report Submitted by: Mr. K. Mahammad, Assistant Professor, Department of CSE-Artificial Intelligence.

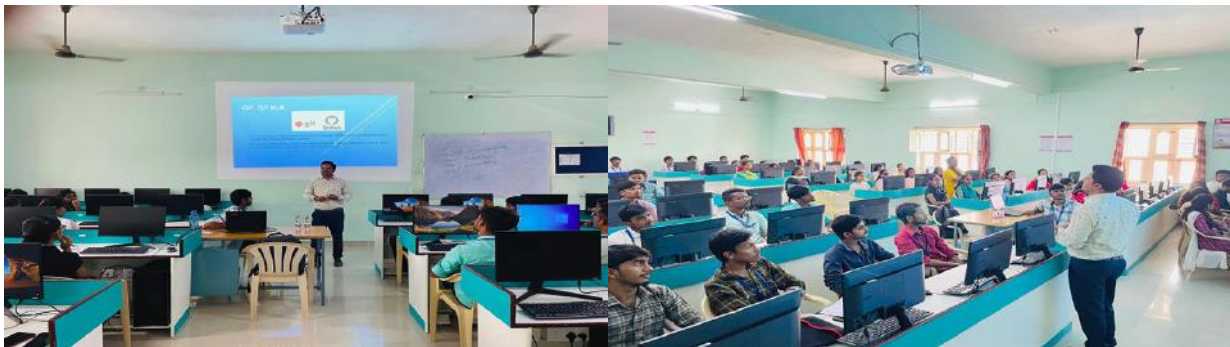
Resource Person: Mr. B. Jagadish Kumar, Senior Manager-Devops TCS-Hyderabad.

Attendance: 75 participants (Students)

Mode of Conduct: Offline

Venue: Lab WB -223

The AI Department Student Visionary Committee, under the CSE-AI Department at Madanapalle Institute of Technology & Science (MITS), in collaboration with the ISTE Student Chapter, successfully organized a workshop on DevOps on 23rd October 2024. The objective of the workshop was to provide hands-on experience and a deep understanding of DevOps, an integral part of modern software development, by an industry expert. The workshop saw active participation from students, fostering a learning environment aimed at bridging the gap between theoretical knowledge and industry practices.



Objectives:

The primary objective of this one-day workshop was to provide students with a foundational understanding of DevOps, its importance in modern software development, and the key technologies involved, including GitHub, GitLab, Docker, Kubernetes, and Cloud Services. Additionally, the workshop aimed to encourage students to explore opportunities to attend future workshops, seminars, or training programs conducted by the Computer Science & Engineering (Artificial Intelligence) department.

Outcomes:

1. Students gained a solid foundational understanding of DevOps and its role in modern software development.
2. Participants acquired hands-on experience with key DevOps tools such as GitHub, Docker, and Kubernetes, and learned to implement CI/CD pipelines.
3. The workshop enhanced awareness of the importance of collaboration between development and operations teams for efficient software deployment.
4. Students were motivated to attend future workshops, seminars, and training programs related to AI and DevOps conducted by the CSE-AI department.
5. Participants developed practical skills that will be beneficial for industry internships and projects related to DevOps and cloud computing.



After discussing the key aspects of DevOps, the speaker concluded by highlighting the growing opportunities for engineers with DevOps proficiency in today's industry. He emphasized its critical role in the IT sector and the importance of continuously learning the methodologies for building, deploying, and maintaining software systems. He also encouraged students to explore industry-relevant skills for better career prospects. The session concluded with an interactive Q&A, where students actively engaged with the speaker and clarified their doubts on the topics discussed.