MALLA REDDY COLLEGE OF ENGINEERING

(Formerly CM Engineering College)

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Maisammaguda, Dhulapally (post via kompally) secunderabad-500100. Tel:040-64632248,Mobile:9348161222,9346162620
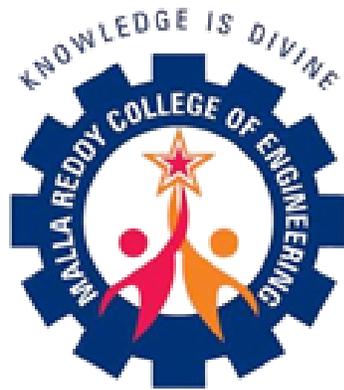E-mail: principal@mrce.in ,cmecprincipal@gmail.com; web: www.mrce.in

DEVOPS CLUB

MASTERSPRINT EVENT

Organized by: Department of CSE - DEVOPS Club   *Date: 1ˢᵗ September 2025*

ORGANIZED BY

MALLAREDDY COLLEGE OF ENGINEERING

INSTITUTION VISION

To emerge as a Center of Excellence in higher education by producing globally competent professionals and leaders in technology, innovation, entrepreneurship, and management, who contribute meaningfully to the advancement of society and humankind.

INSTITUTION MISSION

M1: To provide a dynamic and inclusive learning environment that promotes excellence in emerging technologies and interdisciplinary education.

M2: To nurture a state-of-the-art teaching–learning ecosystem supported by innovation, research, and a strong R&D culture.

M3: To foster effective collaboration and networking with alumni, industry, reputed institutions, and other stakeholders for knowledge exchange and professional growth.

M4: To inculcate ethical values, social responsibility, and lifelong learning, encouraging commitment towards societal development.

COMPUTER SCIENCE AND ENGINEERING

DEPARTMENT VISION

To impart futuristic knowledge in Computer Science and Engineering and to produce highly skilled, innovative, and socially responsible professionals capable of contributing to industry, research, and global technological advancement.

DEPARTMENT MISSION

M1: To promote strong academic growth by providing sound foundational knowledge and exposure to state-of-the-art technologies, fostering excellence in research and development.

M2: To create a stimulating learning environment that develops analytical thinking, problem-solving abilities, and proficiency in advanced programming, using modern tools and technologies.

M3: To encourage collaborative and experiential learning through real-time projects, enhancing teamwork, communication, and interpersonal skills for improved employability.

M4: To instill high ethical standards, professional values, and social responsibility through active societal engagement.

SDG GOALS

SDG 4 – Quality Education

The MasterSprint focused on Agile practices (Scrum & Kanban) and hands-on Git training, promoting practical, industry-relevant learning. Encourages skill development, digital literacy, and experiential education, which are core to SDG 4.

SDG 8 – Decent Work and Economic Growth

DevOps, Agile methodologies, and version control are in-demand professional skills. The event enhanced employability, productivity, and readiness for modern workplaces.

SDG 9 – Industry, Innovation, and Infrastructure

Exposure to DevOps tools, Git workflows, and collaboration practices supports innovation in software development. Strengthens technological capabilities and fosters a culture of continuous improvement.

SDG 17 – Partnerships for the Goals

Agile frameworks emphasize teamwork, collaboration, and shared responsibility. Git-based collaboration mirrors real-world cross-functional partnerships in tech ecosystems.

PRINCIPAL

Dr. ASHOK MARAM, *B. Tech, M. Tech, Ph.D*

We would like to extend our heartfelt thanks to our respected Principal**,**
Dr. Ashok Maram, **Principal of Malla Reddy College of Engineering (MRCE)**, for his constant encouragement and support in organizing the *DEVOPS MASTERSPRINT* event under the **DEVOPS Club**, Department of **Computer Science and Engineering.**

His guidance and motivation have always inspired us to plan and execute various student-centered activities effectively. We are grateful for providing us with the opportunity, necessary resources, and platform to successfully conduct this event and enhance the technical skills of our students.

HEAD OF THE DEPARTMENT

Dr. MANJUNATH GADIPARTHI, *B. Tech, M. Tech, Ph.D*

We express our sincere gratitude to our **Head of the Department**,

Dr. Manjunath Gadiparthi, **Department of Computer Science and Engineering,** for his continuous support and valuable guidance in organizing the *DEVOPS MASTERSPRINT* **event under DEVOPS Club.**

His encouragement and suggestions throughout the planning and execution of the event have been instrumental in making this event a grand success. We are thankful for his constant motivation, which enabled us to conduct this event smoothly and provide a platform for students to showcase their creativity and technical skills.

TECHIE HUB

Mrs. PUSPHPA JOSHI, Techie Hub Coordinator

We are thankful **to Mrs. Pushpa Joshi, Techie Hub Coordinator, Department of Computer Science and Engineering,** for her valuable guidance, coordination, and continuous support throughout the *DEVOPS MASTERSPRINT* event.

Her encouragement, timely suggestions, and valuable insights have played a vital role in the successful planning and smooth execution of the event. Her involvement and mentorship provided us with a clear direction and motivation to organize the event effectively.

EXECUTIVE TEAM

We take this opportunity to sincerely thank the **President and Vice President of DEVOPS Club** for their exceptional leadership, guidance, and continuous support in the successful organization of the ***DEVOPS MASTERSPRINT*** event. Their dedicated efforts in planning, coordinating, and managing the event were instrumental in ensuring its smooth execution. Their ability to lead the student team with responsibility, enthusiasm, and commitment contributed significantly to the overall success.

We would also like to extend our heartfelt appreciation to all the **DEVOPS Club Student Coordinators** for their active involvement, dedication, and outstanding teamwork. Their collective efforts in managing event logistics, coordinating with participants, handling registrations, and ensuring the flawless execution of every round were truly commendable.

Together, the leadership and the student coordinators exemplified the true spirit of collaboration and commitment, setting a high standard for future events.

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Address by Ashok Maram, Principal of MRCE

"I am happy to note that the DevOps Club is being launched with its first technical event, DEVOPS MasterSprint. Beginning a club's journey with a hands-on technical program shows a strong and clear vision. DevOps is an essential domain in the software industry today, and early exposure to such technologies will greatly benefit our students. Events like this encourage practical learning, collaboration, and continuous improvement.

I congratulate the Computer Science and Engineering Department and the DevOps Club team for taking this initiative and wish them a successful journey ahead."

Address by G.Manjunath, Head of Department (CSE)

"The first DEVOPS MasterSprint marks the formal beginning of the DevOps Club in our department. This initiative reflects our commitment to equipping students with industry-relevant skills from the early stages of their academic journey.

Through this event, students are introduced to core DevOps concepts and practical workflows that are widely used in the software industry. I encourage students to actively participate in future DevOps Club activities and make continuous learning a habit. I appreciate the efforts of the faculty coordinators and student organizers for successfully conducting the club's inaugural event."

Address by Pushpa Joshi, Convenor of Techie Hub

"The DevOps Club functions under Techie Hub with the objective of strengthening students' technical and professional competencies. DEVOPS MasterSprint, being the first event of the DevOps Club, reflects the commitment of Techie Hub to promote hands-on and skill-oriented learning.

This event provides students with an opportunity to understand DevOps practices that are widely adopted in the software industry. I appreciate the initiative taken by the DevOps Club student team and faculty coordinators in organizing this event.

I thank the management, Principal, HOD, and department faculty for their continuous support towards Techie Hub and its clubs."

Speech by Mr. Fayaz, President, DevOps Club

"DEVOPS MasterSprint is the first official event conducted by the DevOps Club, and it marks an important beginning for our team. This event was planned with the intention of introducing students to the fundamentals of DevOps through practical and hands-on learning.

As a club, our aim is to create a learning environment where students can explore industry-relevant tools, collaborate effectively, and build real-world skills. This event is just the starting point of many more technical initiatives to come.

I sincerely thank our Principal, HOD, Techie Hub Convenor, faculty mentors, and all participants for their guidance, encouragement, and support in making our inaugural event a success.

REPORT

DEVOPS CLUB EVENT-1: DEVOPS MASTERSPRINT

Event Overview:

The **DevOps Club** organized the **DevOps MasterSprint**, where participants explored the fundamentals of **Agile practices** through **Scrum** and **Kanban**. To bring in hands-on learning, participants also executed **Git basic commands** using **Git Bash**, gaining practical exposure to version control and collaboration workflows.

Event Details:

- **Date:** 01/09/2025 (Monday)
- **Time:** 9:30 AM - 2:50 PM
- **Venue:** Room.No-007 A, Block-1, MRCE
- **Mode of Participation:** Individual
- **Total Registrations:** 51
- **Total Participants:** 49
- **Duration:** 4 hours
- **Batches:** 1

Core Committee:

President: Syed Fayaz

Vice-president: Waqur Fatima

Coordinator's: DEVOPS club coordinators (III year)

Event Details:
The event was conducted in Single batch, each following a structured format.

Level 1 – Scrum & Kanban Fundamentals (30 minutes)
Participants were introduced to **Agile practices** with a focus on
Scrum and Kanban.
• Topics Covered:
- Basics of Scrum (roles, ceremonies, sprint planning).
- Kanban methodology and workflow visualization.
- Real-life examples of Scrum & Kanban in software development and project management.

Level 2 – Introduction to Git (30 minutes – 25Q)
Students learned the importance of **version control** and were
introduced to **Git basics**.
• Concepts Explained:
- What is Git and why it's used in DevOps.
- Repositories, commits, and branches.
- Basic Git commands explained step by step.

Level 3 – Git Hands-On Execution (30 minutes)

Participants were given time to **practice executing Git commands
using Git Bash**.

• Commands Practiced:

- Initializing a repository.

- Adding and committing files.
- Basic push/pull simulation.

Resource Person

"DEVOPS MasterSprint is the first event conducted by the DevOps Club, and I am grateful for the opportunity to serve as the resource person for this inaugural program. The objective of this session was to introduce students to the core concepts of DevOps and help them understand how development and operations work together in real-world environments.During this MasterSprint, we focused on building a foundational understanding of DevOps practices, tools, and workflows. I hope this session has encouraged participants to explore DevOps further and develop a continuous learning mindset.

I sincerely thank our Principal, HOD, Techie Hub Convenor, faculty mentors, and the DevOps Club team for their guidance and support in making this first event a meaningful learning experience."

Problem Statement:

Create a simple text-based project (e.g., a README file or a small program of your choice) and execute basic Git commands to manage it. Each student should:

1. *Initialize a Git repository.*

2. *Create and edit a file (e.g., readme.txt or a .py / .java file).*

3. *Stage and commit the file.*

4. *Push the repository to their own GitHub account.*

⬯ *Note: Students are free to use their own project idea (calculator, notes app, or even a simple text file) as the content to practice Git commands. The goal is not the project itself, but learning Git workflow execution.*

Challenges Faced During the Event:

Despite a successful turnout, some challenges were encountered:

1. **Time Management** – Managing the transition between levels and handling participant queries took longer than expected.
2. **Resource Limitations** – Some participants did not bring their own laptops, causing delays in setting up.
3. **Git Practice Support** – A few participants needed extra assistance while executing Git commands for the first time.

Event Achievers:

All Participants Received **"CERTIFICATE OF COMPLETION"** Certificate

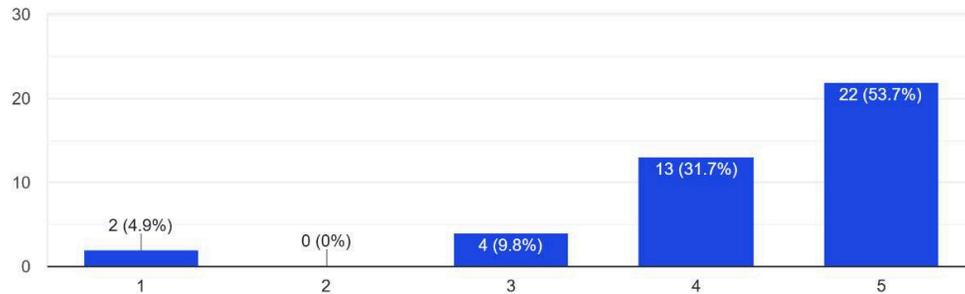**K.Manoj Kumar** (23Q91A0597)

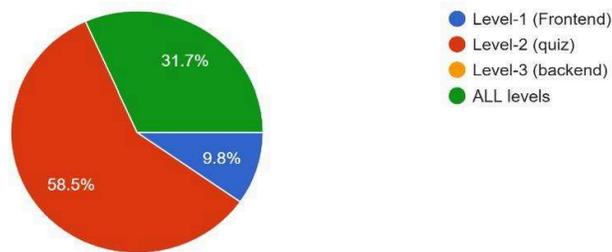**Kakarla Venkat Deeraj** (23Q91A05T0)

Participant Feedback:
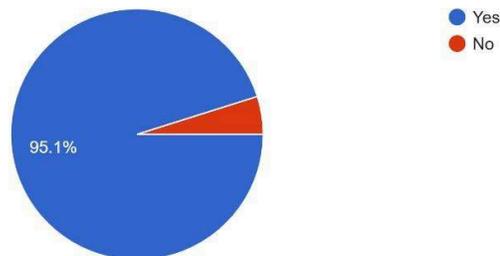
1.How satisfied were you with the event?
41 responses

2.Which part of the event did you enjoy the most?
41 responses

- Level-1 (Frontend)
- Level-2 (quiz)
- Level-3 (backend)
- ALL levels

3.Was the event content relevant and useful to you?
41 responses

- Yes
- No

> *Truly I had learnt many things about mobile application development today it was very interesting and knowledge gaining event. Waiting for the next event eagerly* 😅😅😅.- Mohammed Afroze.
> *The event was well-organized and thank you for organizing such a fantastic event.* – J sai Kumar.

VIBRANT CAPTURES:
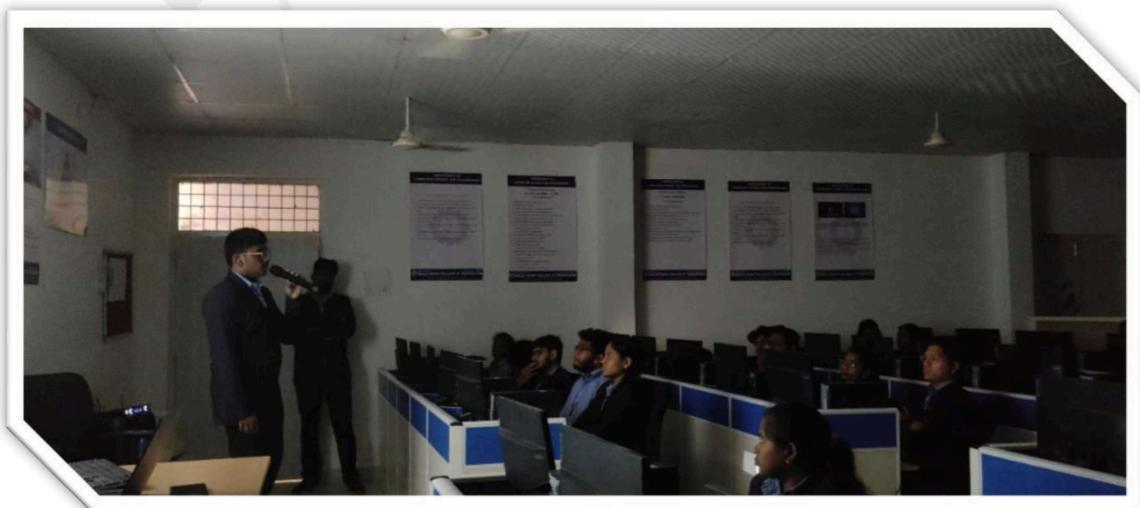
"Where Code Meets Automation and Innovation Never Stops."

GLIMPSE OF CERTIFICATE: (Participant)

CONCLUSION:

The **DevOps Club** successfully organized its first **DevOps MasterSprint** under the Department of Computer Science and Engineering on *[01/09/2025]*. The workshop was a great success, with enthusiastic student participation.

Participants gained valuable insights into **Agile methodologies** through **Scrum and Kanban**, explored their **real-life applications**, and acquired **hands-on experience with Git basics** using Git Bash. The interactive format allowed students to learn foundational DevOps concepts in a practical and engaging manner.

Overall, the event was conducted smoothly with the support of faculty coordinators, student volunteers, and active participants. The workshop laid a strong foundation for future **DevOps-focused events**. Looking forward to the next knowledge-sharing session! 🛫

Acknowledgement:

We express our sincere gratitude to the **Management, Principal, and Head of the Department of Computer Science and Engineering** for their constant support and encouragement in organizing this event.

A special thanks to our **faculty coordinators, student volunteers, and members of the DevOps Club** whose dedication and teamwork ensured the event's success.

Finally, we thank all the **students who participated with enthusiasm**, making the DevOps MasterSprint a memorable and impactful learning experience. 🙆

DATE: 01/09/2025,
Malla Reddy College of Engineering (MRCE).

Annexure:

LEARNING OUTCOMES & ACTIVITY FLOW

Level 1: Scrum & Kanban Fundamentals (30 minutes)

Task: Participants were introduced to the basics of **Agile methodologies**, focusing on **Scrum and Kanban**, along with real-life industry examples.

Learning Outcomes:

- Understanding the roles, ceremonies, and workflow in Scrum.
- Visualizing workflow management using Kanban boards.
- Recognizing real-world applications of Agile practices in software development

Level 2: Git Basics Introduction (30 minutes)

Task: Participants learned the importance of **Version Control** and were introduced to **Git fundamentals**.

Topics Covered:

- What is Git and why it's essential in DevOps.
- Repository structure and version tracking.
- Basic Git commands explained with examples:
- git init
- git add
- git commit
- git status

Learning Outcomes:

- Familiarity with the Git command-line interface.

- Confidence in executing basic Git operations.

- Understanding collaborative development workflows.

Level 3: Git Hands-On Execution (1 Hour)

Task: Students practiced executing Git commands using **Git Bash** on their own mini-projects or sample files.

Activities:

- *Initializing repositories and committing changes.*

- *Pushing changes to remote repositories (GitHub*

ORGANIZING TEAM

PATRON:
Dr.Ashok Maram-Principal, MRCE

CONVENOR:
Dr.Manjunath Gadiparthi - Head,Dept of CSE

CO-CONVENOR:
Dr.G.Sravanthi – Deputy Head ,Dept of CSE

FACULTY COORDINATORS:
Mrs.Pushpa Joshi – Techie Hub Convenor
Mr. B Shiva Karthik - Asst.Prof
Mr. K Koteshwar Rao - Asst.Prof
Mr. Balaraman - Asst.Prof

STUDENT COORDINATORS:

PRESIDENT - Syed Fayaz
VICE PRESIDENT - Waqar Fatima
RESOURCE PERSON – Mandala Bhuvan

CLUB MEMBERS
Ch Madhumitha
M Shivani
Md Abdul Raheem
M Akshitha
V Ramya
P Venkatesh
P Santhoshi

STUDENT EDITORIAL BOARD

AKSHITHA   3RD YEAR CSE
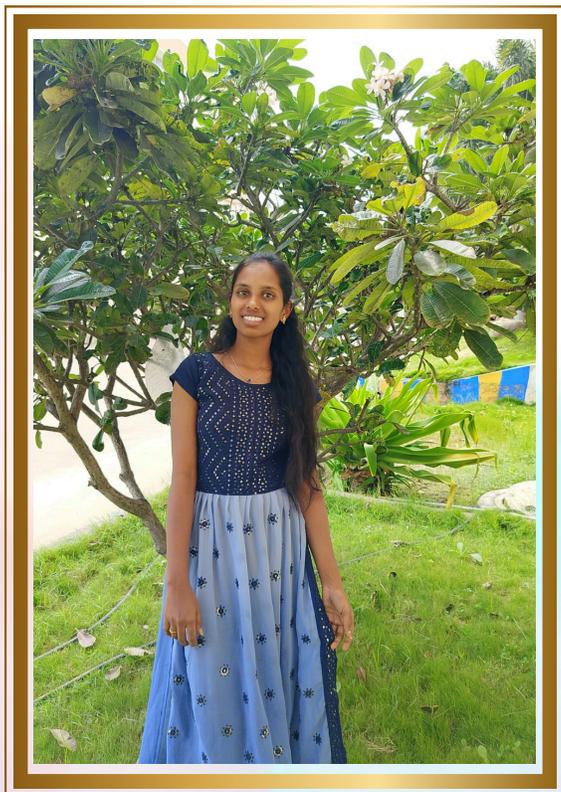
SHIVANI 3RD YEAR CSE
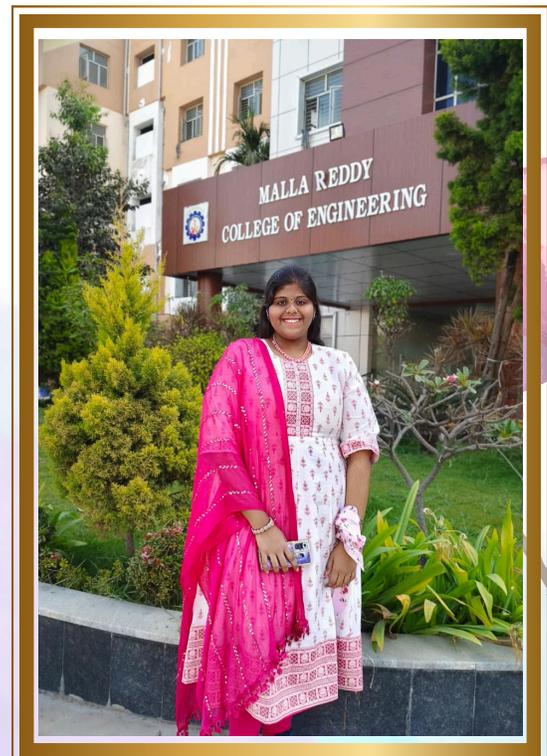
MADHUMITHA 3RD YEAR CSE

Poster

"Empowering innovation through DevOps—where code, collaboration, and continuous delivery shape the future of technology."