Dr. D. Y. Patil Institute of Technology
Pimpri, Pune 411018

Department of Computer Engineering

ASSOCIATION OF COMPUTER ENGINEERING STUDENTS

Mr. Prakhar Pandey	Mr. Siddharth Singh	Mr. Sujal Bagade
President	Vice President	Secretary

Ref. No. : R01   **Date :**

HACKSERIES-00
AN ACES ORGANIZED EVENT

Report on HackSeries-00

We, the Department of Computer Engineering, are thrilled to share the highlights of HackSeries-00, held on the 25th and 27th of September 2024, organized by the ACES Club.

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ABOUT HACKSERIES-00

HackSeries is an initiative by the Association of Computer Engineering Students (ACES) aimed at providing students with practical, hands-on learning experiences in various technical domains. The series is designed to guide students from basic to intermediate levels in programming, web development, cloud computing, AI/ML, and more. Each session is crafted to bridge the gap between theoretical knowledge and real-world application, fostering a deeper understanding and proficiency in key technologies. HackSeries not only focuses on technical skills but also emphasizes the importance of collaboration, problem-solving, and continuous learning, preparing students for future challenges in the tech industry.

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Installation Ceremony

On the 25th of September, HackSeries-00 commenced with a grand installation ceremony. The event was graced by the presence of the Heads of Departments from various fields, along with the esteemed faculty members of the Computer Engineering Department. The ceremony set a positive tone for the sessions to follow, highlighting the collaborative spirit and academic excellence of our institution.

Vinod Kimbahune Sir, the Head of the Department of Computer Engineering, delivered an inspiring keynote address. He emphasized the importance of roadmap sessions in building a strong foundation for students and highlighted the relevance of Git and GitHub skills in today's competitive landscape. His words motivated the students to actively participate and make the most of the opportunities presented by HackSeries-00.

The ceremony was further enriched by the presence of distinguished guests from various departments, who shared their insights and experiences. Their speeches underscored the importance of interdisciplinary learning and the role of technology in shaping the future. The enthusiastic participation of students was evident from the outset. They engaged in discussions, asked insightful questions, and expressed their eagerness to learn and grow through the HackSeries sessions. The installation ceremony concluded with a vote of thanks, acknowledging the efforts of everyone involved in organizing the event.

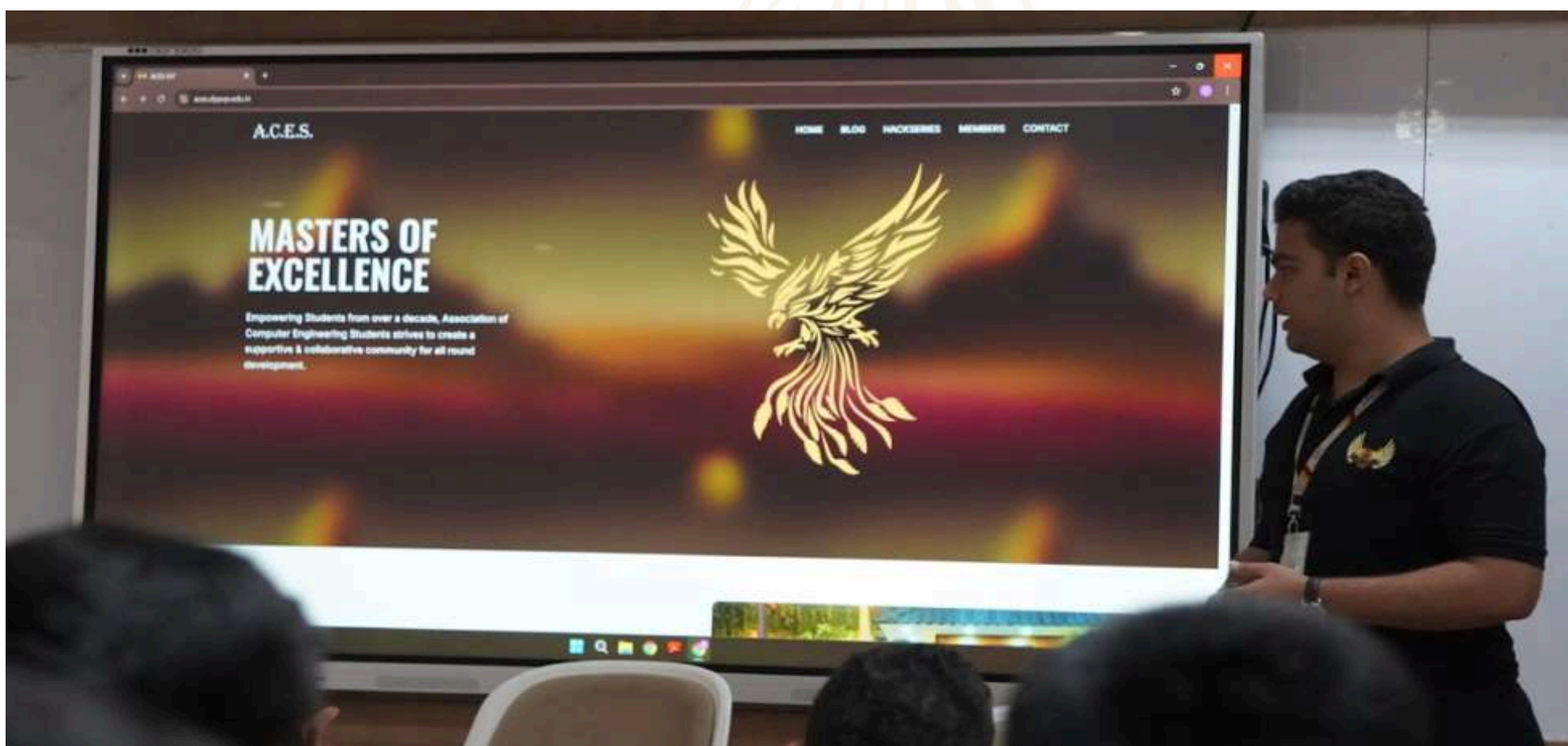# ASSOCIATION OF COMPUTER ENGINEERING STUDENTS

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Roadmap Session

Following the installation ceremony, a comprehensive Roadmap session was conducted. This session aimed to guide students from basic to intermediate levels in various technical domains, including Data Structures and Algorithms (DSA), Web Development, Cloud Computing, and Artificial Intelligence/Machine Learning (AI/ML). The session was meticulously designed to provide a clear learning path and equip students with the necessary skills to excel in these fields.

The session began with an introduction to fundamental concepts in DSA, emphasizing their importance in solving complex problems efficiently. Students were provided with practical examples and coding exercises to reinforce their understanding. The roadmap for web development covered both front-end and back-end technologies. Students learned about HTML, CSS, JavaScript, and popular frameworks like React and Node.js. Hands-on projects helped them apply these technologies in real-world scenarios. This segment introduced students to cloud platforms such as AWS and Azure. They explored the basics of cloud infrastructure, services, and deployment models, gaining insights into how cloud computing is transforming the tech industry. The AI/ML roadmap focused on foundational concepts, algorithms, and tools. Students were introduced to machine learning models, data preprocessing techniques, and popular libraries like TensorFlow and PyTorch.

A highlight of the Roadmap session was a special presentation by Khushi Badhange. She shared her journey of securing an internship at Amazon through her work in AI/ML. Her insights and experiences provided valuable guidance and inspiration to the students, demonstrating the real-world applications and career opportunities in the field of AI/ML.

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Secretary

Ref. No. : R01

Date :

Git & GitHub Session

On the 27th of September, a hands-on session on Git and GitHub was conducted. This session was designed to provide practical knowledge and skills in version control, which are essential for modern software development. Participants learned about the functionalities of Git and GitHub, created their first repositories, and posted their projects on GitHub.

The session began with an overview of Git, explaining its importance in version control and collaborative development. Students learned about basic Git commands, branching, and merging. Participants were introduced to GitHub, a platform for hosting and sharing code. They created their GitHub accounts, set up repositories, and learned how to manage projects using GitHub. The session included practical exercises where students created repositories, committed changes, and collaborated on projects. These exercises helped them understand the workflow of version control and the benefits of using Git and GitHub in software development.

During the session, students were introduced to Hacktoberfest, a global open-source initiative. They registered to participate in this event, which encourages contributions to open-source projects. This introduction aimed to foster a culture of collaboration and contribution among the students, aligning with the core values of ACES.

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Total no. of Registrations:

Dept	Count
COMPUTER	160
AI & DS	53
ELECTRICAL	3
ENTC	35
MECHANICAL	21
A&R	18
IT	37
CIVIL	1
TOTAL	328

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Acknowledgements:

We extend our sincere thanks to the Hon'ble Management for their unwavering support and guidance. Special thanks to:

- **Respected Dr. Lalit Kumar Wadhwa Sir** - Principal

- **Respected Dr. Vinod Kimbahune Sir** - HOD, Department of Computer Engineering

- **Respected Chaya Jhadav Ma'am** - Academic Head

- **Respected Zarina Shaikh Ma'am** - SE Coordinator

Their continued guidance and support were instrumental in the success of HackSeries-00.

We also extend our heartfelt gratitude to the faculty members of the Computer Engineering Department for their presence and encouragement during the event. Their support played a crucial role in motivating the students and ensuring the smooth execution of the sessions.

Conclusion:

HackSeries-00 was a resounding success, providing students with valuable knowledge and hands-on experience in key technical domains. We look forward to organizing more such events in the future, continuing our commitment to fostering technical excellence and innovation among our students.

Thank you