Department of Artificial Intelligence and Machine Learning
&
Department of Information Science & Engineering

Date: 07.03.2023

Submitted,

Report on One day Workshop on **"Cyber Security & Ethical Hacking"** - reg.

With respect to the above subject that, Dept. of Artificial Intelligence and Machine Learning & Dept. of Information Science & Engineering organized a one day workshop on **"Cyber Security & Ethical Hacking"** for 1st students of SCE to educate our students on the fundamentals of cybersecurity and ethical hacking on 07.03.2023 by the resource persons **Mr. Srinath Gopinath**, Director, CMO – TECHBYHEART India Private Limited, Kerala and **Mr. Ressal,** Associate Member, National Cyber Defence Research Centre, New Delhi.
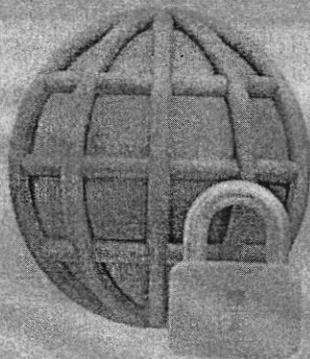
This workshop covered a range of topics related to cybersecurity, including network security, computer security, web application security, and mobile device security also delve into the various types of cyber threats, such as viruses, malware, phishing, and social engineering attacks. In addition, the speaker explained how to perform penetration testing to identify vulnerabilities in computer systems and networks.

The workshop covered ethical hacking, which involves using the same techniques and tools as cybercriminals to identify and fix vulnerabilities in computer systems and networks. Ethical hacking is often employed by organizations to perform security audits and penetration testing to assess the security posture of their systems.

The resource person Mr. Ressel, would likely be a cyber security expert with 7 years of experience in the industry. He would have a deep understanding of the latest trends and techniques in cybersecurity and would be able to provide attendees with valuable insights and practical advice.

Some of the key takeaways from the session:

❖ Understanding the fundamentals of cybersecurity:
Speakers started the workshop by providing an overview of cybersecurity and explaining the various types of cyber threats, including malware, phishing attacks, and social engineering attacks.

SAIRAM
COLLEGE OF ENGINEERING
Anekal, Bengaluru

Accredited by NAAC
ISO 9001:2015 Certified Institution
Approved by AICTE, New Delhi
Affiliated to Visvesvaraya Technological University
www.sairamce.edu.in

SCE
25
25 years of academic excellence!

Department of Artificial Intelligence and Machine Learning
&
Department of Information Science & Engineering

❖ Basic security principles:

Mr. Ressel emphasized the importance of basic security principles such as using strong passwords, keeping software up-to-date, and enabling two-factor authentication.

❖ Introduction to ethical hacking:

Mr. Ressel introduced the concept of ethical hacking and explained how ethical hackers use the same techniques as malicious hackers to identify vulnerabilities in systems and applications.

❖ Penetration testing:

Mr. Srinath demonstrated how penetration testing is conducted by ethical hackers to identify vulnerabilities in systems and applications. He also explained the different types of penetration testing, including black-box testing and white-box testing.

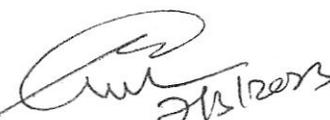❖ Cybersecurity career opportunities:

Mr. Srinath also talked about the various career opportunities in cybersecurity, including ethical hacking, security engineering, and security analyst roles.

Overall, the Cyber Security & Ethical Hacking workshop was informative and engaging. The session provided students with a solid foundation of cybersecurity principles and ethical hacking techniques. The speaker's expertise and experience in the field were evident, and they provided practical advice that students could implement

We wholeheartedly thank our beloved Principal, Management Representative and all HODs, Staff members and Students of SCE for their support.

Thanking you,

Yours Sincerely,
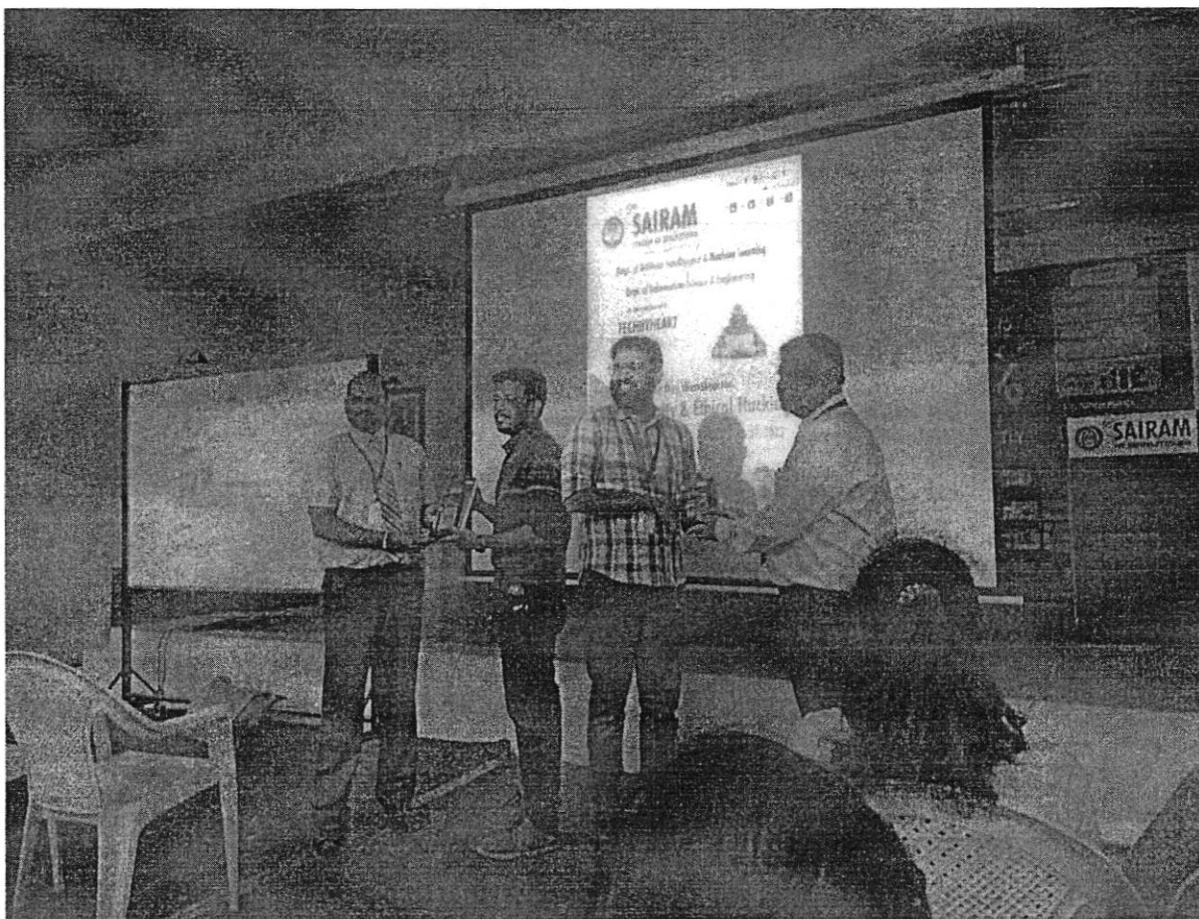
(Sivaprakash C) / (Raghavendra Rao. B)

![Sri SAIRAM College of Engineering logo]

SAIRAM
COLLEGE OF ENGINEERING
Anekal, Bengaluru

Accredited by NAAC
ISO 9001:2015 Certified Institution
Approved by AICTE, New Delhi
Affiliated to Visvesvaraya Technological University
www.sairamce.edu.in

25 SCE
25 years of academic excellence!

Department of Artificial Intelligence and Machine Learning
&
Department of Information Science & Engineering
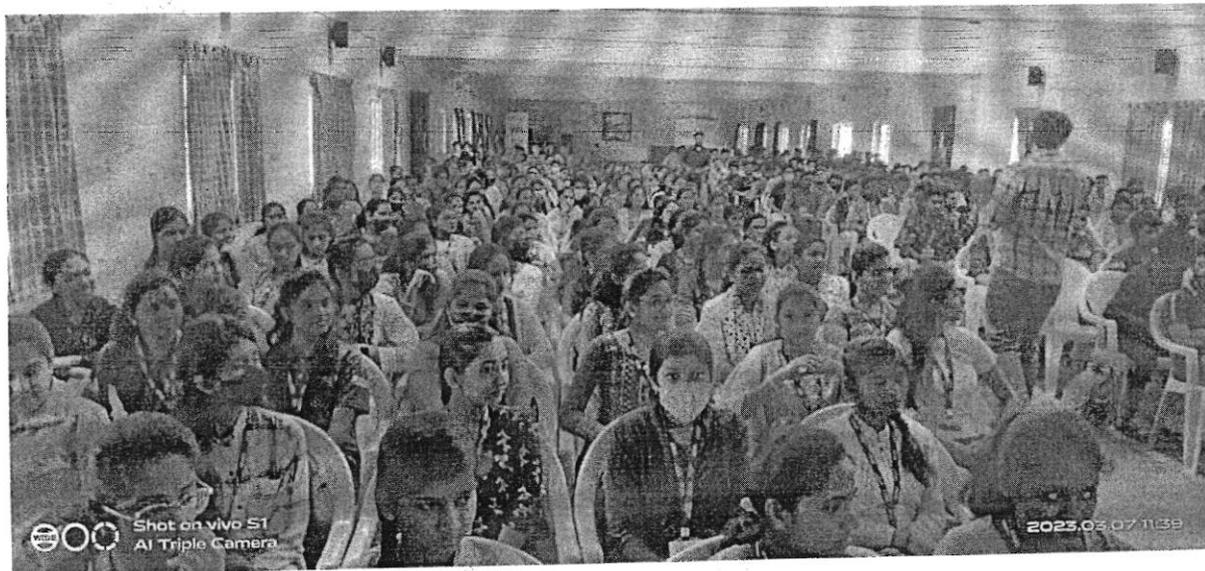## Glimpse of Workshop Screenshots

Department of Artificial Intelligence and Machine Learning
&
Department of Information Science & Engineering
Glimpse of Workshop Screenshots

Department of Artificial Intelligence and Machine Learning
&
Department of Information Science & Engineering
Glimpse of Workshop Screenshots

Department of Artificial Intelligence and Machine Learning
&
Department of Information Science & Engineering