School of Computer, Information and Mathematical Sciences

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WORKSHOP ON "CYBERSECURITY ESSENTIALS"

ON 30TH September ,2024

Event Report

Name of the Event: "CYBER SECURITY ESSENTIALS"

Date : 30th September , 2024(Monday)

Venue : COMPUTER GEEKS LAB

Conveners: Dr. Sharmila Sankar – Dean/SCIMS

Dr. w. Aisha Banu – HOD/CSE

Coordinators:Dr. S.P. Valli, Associate Professor

Dr. C. Hema, Associate Professor

Dr. A. Alif Siddiqua Begum, Assistant Professor

Ms. S.M. Shifana Rayesha, Assistant Professor

Ms. P. Valarmathi, Assistant Professor

Ms. M.S. Usha, Assistant Professor

Ms. C. Tamilarasi, Assistant Professor

Total number of participants attended the workshop: 42

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OBJECTIVE OF THE WORKSHOP:

- **Introduce Core Cybersecurity Concepts:** Provide participants with a comprehensive understanding of the fundamental principles of cybersecurity, including threat identification and defence strategies.
- **Hands-On Learning:** Equip participants with practical experience by engaging them in real-world cybersecurity scenarios, guided by industry experts.
- **Explore Essential Tools:** Familiarize participants with key cybersecurity tools and technologies used in threat detection, vulnerability assessment, and system protection.
- **Develop Key Skills:** Build foundational knowledge in specialized areas such as malware analysis, network security, and ethical hacking.
- **Cater to All Skill Levels:** Offer value to both beginners seeking to enter the field of cybersecurity and those looking to expand and refine their existing skills.
- **Promote Awareness and Best Practices:** Increase participants' awareness of the importance of cybersecurity and introduce best practices for protecting systems and data.

ACTIVITIES DURING THE WORKSHOP:

Students from B.S. Abdur Rahman Crescent Institute of Science and Technology actively participated in the event. The session began with a warm welcome and introduction to the **Cybersecurity Essentials hands-on workshop** by Mr. Musab, a B. Tech student from the Department of Computer Science and Engineering.

Following the introduction, Mr. Mari Ganesh, also a B. Tech student from the Department of Computer Science and Engineering, initiated the workshop by introducing the tool **Metasploit** and providing a live demonstration of its use. This was followed by Mr. Infant Andreas, another B. Tech student from the same department, who explained the tool **Wireshark** and also gave a live demonstration to the participants.

Later, Mr. Syed Irfan offered a valuable session on **LinkedIn ethics**, guiding participants on how to effectively utilize the platform.

The workshop was a huge success with the support and motivation of Dr. Sharmila SankarDean/SCIMS and Dr. Aisha Banu W. HOD/CSE (Convenors) and Coordinators Dr.S.P.Valli, Associate Professor/CSE, Dr.C.Hema, Associate Professor/CSE, Dr. A. Alif Siddiqua Begum, Assistant Professor/CSE, Ms. S.M. Shifana Rayesha, Assistant Professor/CSE, Ms. S.M. Shifana Rayesha, Assistant Professor/CSE, Ms. P. Valarmathi, Assistant Professor,CSE,Ms. M.S. Usha, Assistant Professor/CSE and Ms. C. Tamilarasi, Assistant Professor/CSE.Finally, the workshop was concluded by receiving feedback from participants.

The participants conveyed that the session was so informative and satisfied with the hands-on experience.

PARTICIPANTS NAME LIST:

PARTICIPANTS	RRN
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R. Shabreen	230181601055
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Shaik saniya tabassum	230191601051
Dwaragesh C	230191601009

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BROCHURE:

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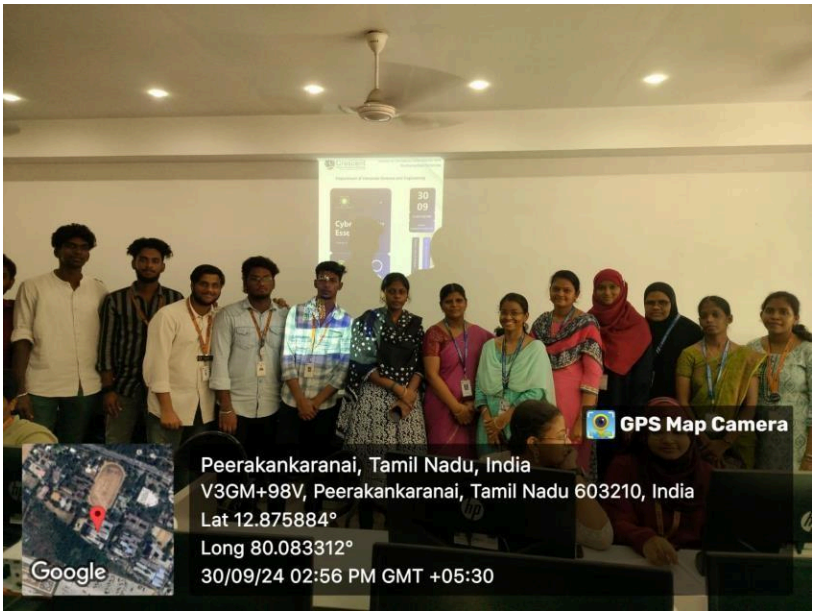
Event photographs:



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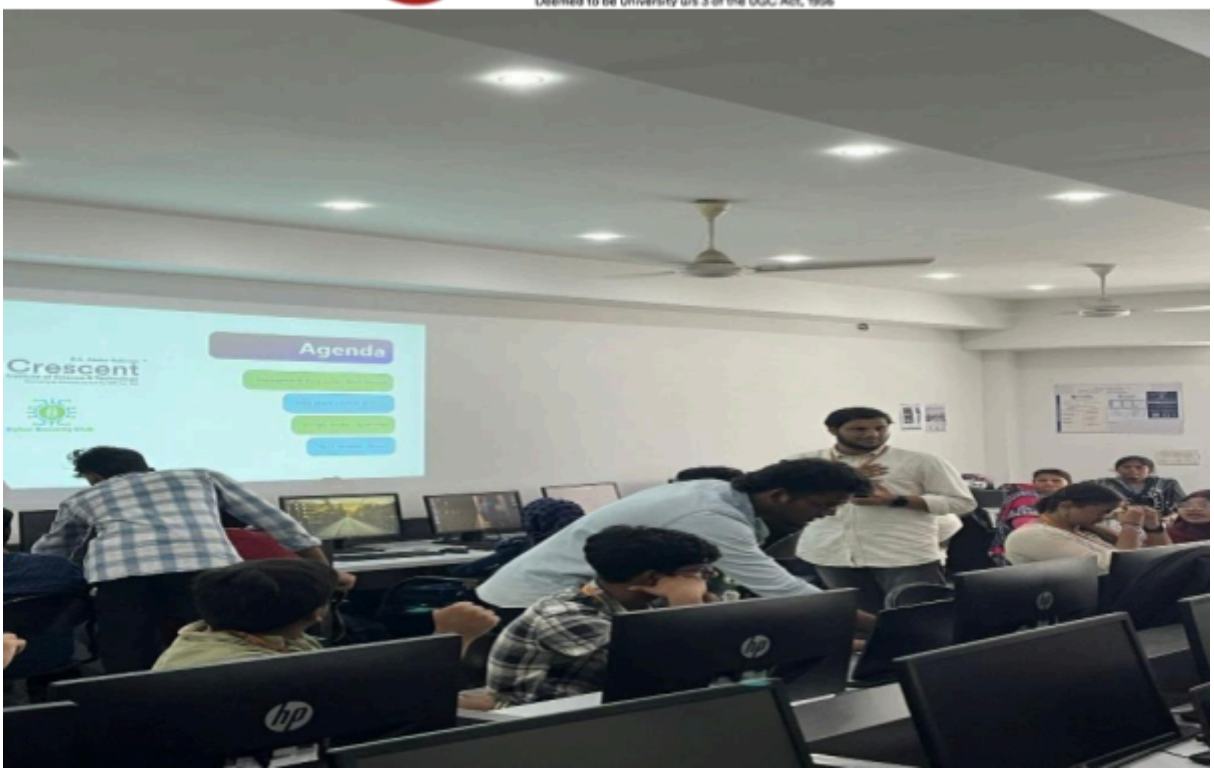

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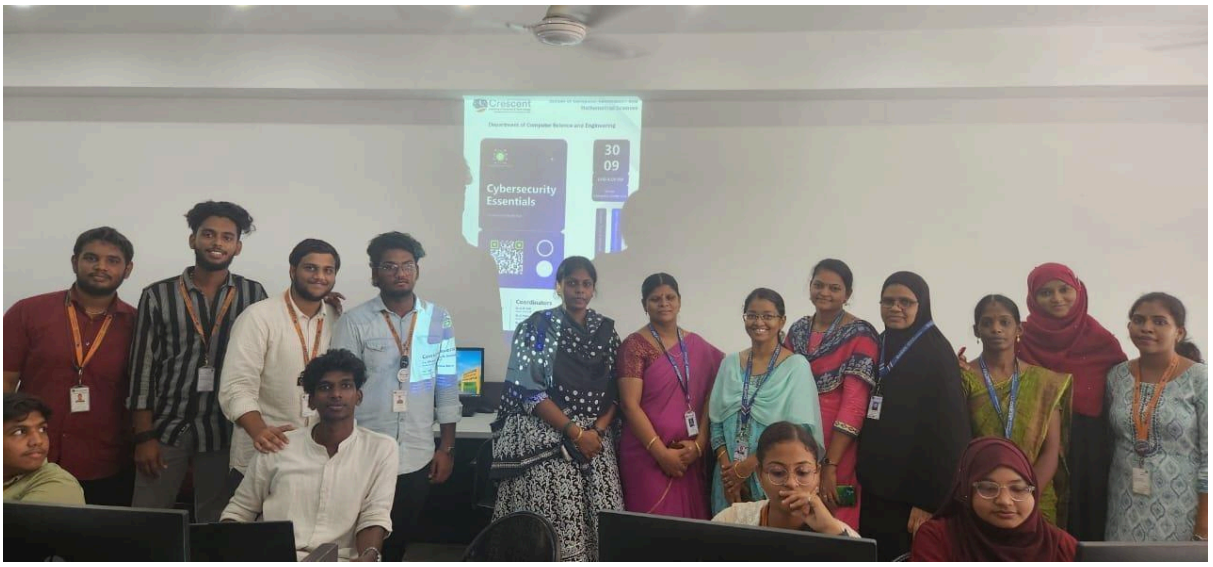
Cybersecurity
Essentials
30
09

FEEDBACK:

Rating Distribution of Workshop Feedback
Number of Responses
0
2
4
6
8
2.5
3.0
3.5
4.0
4.5
5.0
5.5

Rating	Any Suggestions	What you think about the Hands-On Workshop...?
4	Nil	Great experience
5	Nil	Informative, intresting,tempts to learn more on this domain
5	No	It was good, got opportunity to learn something new.
4	Start prior (time management)	Okay okay
4	No	Nice
4	More intro about CS for beginners	Good initiative and great to acquire knowledge about CS
3	Nil	It was good but next time go deeper with specific topics
5	-	Useful
5	Good experience	Good
3	No	👌
4	No	Got some knowledge
5	NO	VERY GOOD
4	NOTHING	GOOD
5	Good but couldn't do all ..so if more time was there can have gained a deep knowledge	Very good ...gave some experience on how to use Linux kalli
5	Nothing	Good Idea learning basics for beginer
5	Need to increase the time of the sessions Personally I need your team to take a class for 1 day Or more than that it could be appreciated.	Its really good.
5	No	It's good

Outcome:

The outcome of this workshop on Cyber Security Essentials is that students learned about security threats and vulnerabilities in computer systems, as well as tools and techniques to safeguard themselves in cyberspace. Some of the key takeaways from this workshop were:

1. Increased Awareness:

Participants gained a better understanding of the importance of cybersecurity and ethical hacking, as well as the risks associated with cybercrime. This will help them remain vigilant and take appropriate measures to protect their personal and professional information.

2. Improved Knowledge:

The workshop equipped participants with the knowledge and skills required to implement effective cybersecurity measures and defend against cyber threats. They learned about the latest tools and techniques used by ethical hackers to identify vulnerabilities and mitigate risks.

3. Enhanced Security:

By implementing the strategies and recommendations provided in the seminar, participants will be able to enhance the security of their systems and networks. This will reduce the risk of data breaches, identity theft, and other forms of cybercrime.

4. Increased Collaboration:

The workshop provided a platform for participants to network and collaborate with professionals in the field. This fostered the sharing of ideas and best practices.

5. Greater Confidence:

Armed with the knowledge and skills gained from the workshop, participants have greater confidence in their ability to protect themselves and their organizations from cyber threats.

Valedictory Session:

Mr. Musab, a B. Tech CSE student from the Department of Computer Science and Engineering, to express my heartfelt gratitude to all of you for your presence at our hands-on workshop on Cyber Security Essentials.

Your enthusiastic participation and active engagement have made this event a resounding success. The insightful questions, thoughtful discussions, and collaborative spirit demonstrated by each of you have enriched our understanding of the critical role cyber security plays in our digital age.

I would also like to extend my sincere appreciation to our esteemed student and faculty coordinators for their tireless efforts in organizing and conducting this workshop. Their dedication, expertise, and meticulous planning have ensured a seamless and enriching experience for all participants.

Thank you once again for your invaluable contributions. I am confident that the knowledge and skills acquired during this workshop will empower us to safeguard our digital world and build a more secure future."

Faculty Coordinators: **HOD/CSE**

Dr. S.P. Valli, Associate Professor **Dr.W.Aisha Banu**

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