Enhancing Digital Security - A Two-Day Workshop on Cyber Security

Dates:
23rd & 24th August 2024

Organized By:
Department of Artificial Intelligence and Data Science, CBIT

Venue:

AI&DS LAB-2

Overview:
The workshop aimed to equip participants with both foundational and advanced knowledge of cybersecurity, focusing on practical skills to effectively prevent, identify, and respond to cyber threats. Interactive sessions were held to provide hands-on experience, enabling participants to navigate real-world cyber security challenges.

Objectives:

- Educate participants on the foundational principles of cybersecurity.
- Enhance practical skills through hands-on experience.
- Foster awareness about the significance of cybersecurity across sectors.

Topics Covered:

- Practical Applications and Advanced Cybersecurity Topics
- Overview of cybersecurity and its current trends.
- Understanding Cyber threats and recent attack case studies.
- Implementing security frameworks like NIST and ISO 27001.
- Basics of Cryptography and data protection.
- Effective incident response strategies.
- Ethical Hacking and Penetration Testing Techniques.

Resource Persons:

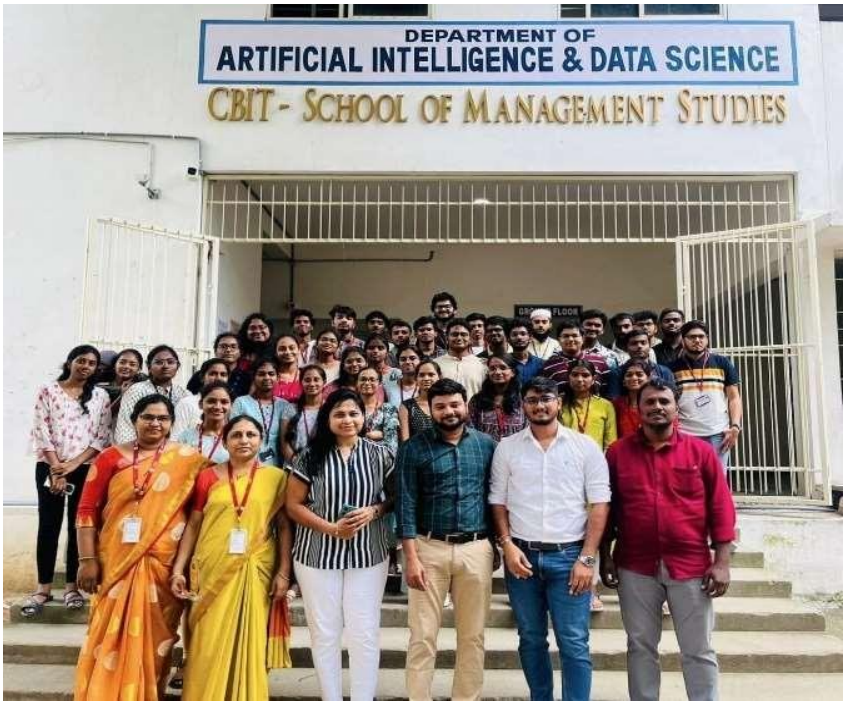
1. **Sai Mahesh M**, Security Specialist. He is a highly experienced Senior Manager in Security Engineering & Operations with over 13 years of expertise in the semiconductor, service delivery, consulting and banking sectors
2. **Sai Praneeth Thummanpally**, Senior Manager, Security Engineering & Operations. He is a security specialist currently working at Bristol Myers Squibb in Hyderabad. With over 5 years of experience across diverse industries including semiconductor, chemical, EdTech, and pharmaceuticals

3. **Smt. Gayatri Dara,** Senior Manager – Risk Operations. She has a 15 years of extensive experience in global IT Information Security, specializes in Security Operations, ISMS, BCMS, and Cloud Security.

Participants:
A total of **60 students** registered for the workshop, with active participation in all sessions.

Organizing Committee:

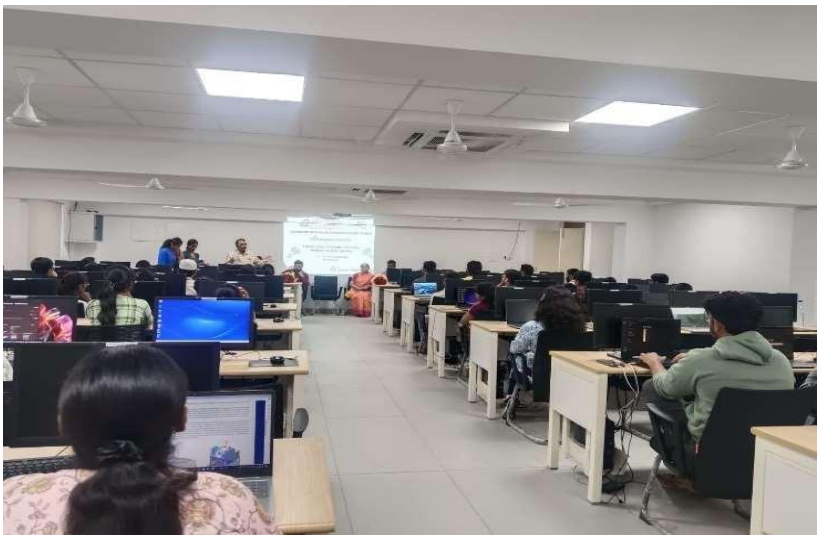
- **Convener:** Prof. K. Radhika, Head of AI&DS Dept.
- **Faculty Coordinators:** Dr K Ramana (Associate Professor) and Ms Sheena Mohammed (Assistant Professor)
- **Faculty Co-coordinators:** Ms Y. Swati Tejah (Assistant Professor) and Ms Kaneez Fatima (Assistant Professor)
- **Student Coordinators:** Diviti Santhoshi (AI&DS -1) & G Sthitha Prajna (AI&DS -2)



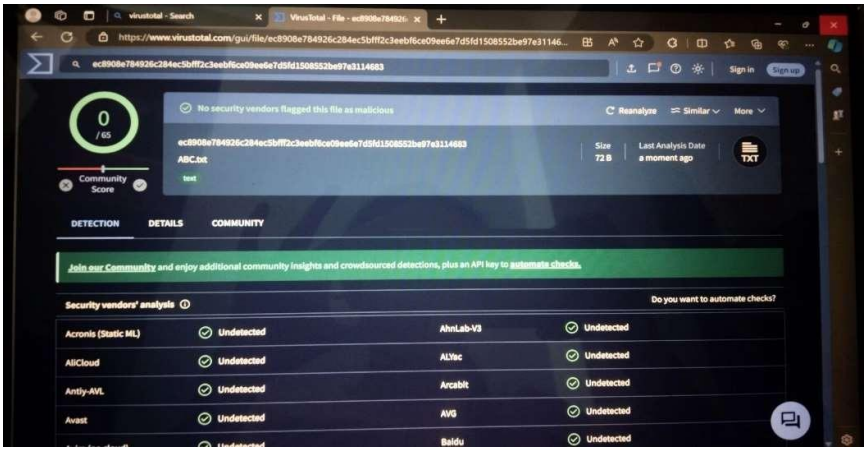
A group picture with the HOD, Resource Persons, Faculty Coordinators and the Participants

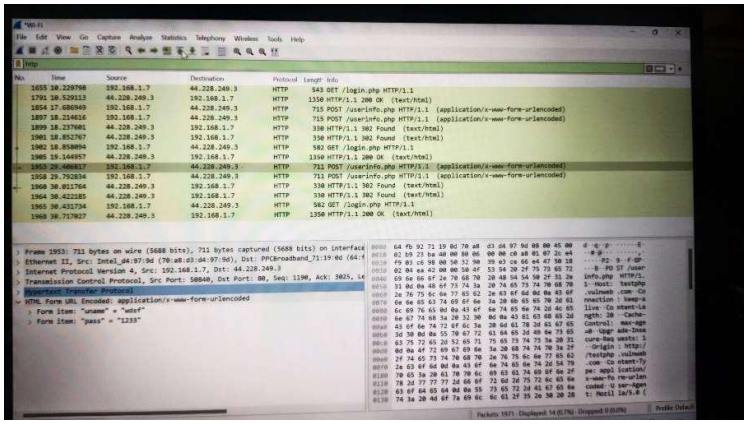
Key Outcomes:

- The participants developed a deeper understanding of the importance of cybersecurity.
- Practical insights were gained through live demonstrations and exercises.
- Participants were awarded certificates for their active involvement and completion of the workshop activities.
- Educated Participants by imparting foundational knowledge and advanced concepts in cyber security.
- Enhanced their skills to develop practical skills for identifying, preventing, and responding to cyber threats.
- Promoted Awareness to raise awareness about the importance of cyber security in various sectors.



Participants learnt how to use VirusTotal , Kali Linux, Wireshark and Various other Platforms





The wrapping up session included feedback from students;

Till today I learned about Cyber security, mostly in theory, as I chose Cyber security as my Professional Elective in my 3rd year, but as it is just theory, I can say that it didn't benefit that much, but after the 2-day Workshop, I learned about all the tools which were discussed in our course, how to use them, what information do they give us, and when to use them. We also came to learn about different domains in cyber security, what are their individual roles, what skills are required for getting into that domain. Got to know about different Models such as TCP/Ip and OSI, which are used in today's world. Some real-world threats and attacks which happened in the past and how it impacted the people and how to rectify them, how to identify them beforehand. We also had a Hands-on experience on how to use Kali-Linux, Wire Shark, Autopsy, which are various tools, and later on we learned various commands used in Kali-Linux which can be used for ethical hacking and how they can be used to penetrate the software to check for vulnerabilities. We also learned about various roles and positions in the field of cyber security and their roles and skill requirements. We also learned about different tools which can be used in the field and what all information can it give. I thought that the workshop would be boring, but the Field experts who came to the workshop were so humble and interactive, we didn't know how the two days passed, it was very fun and interesting workshop.

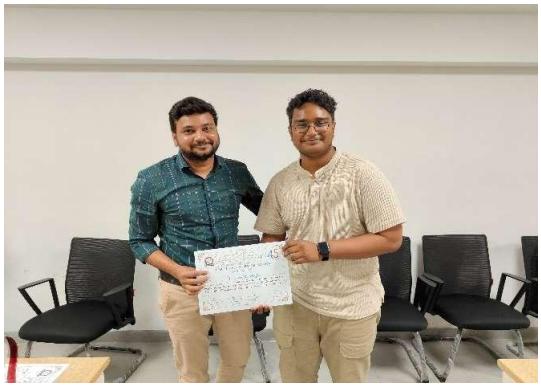
Thank You

Ch. Jashwanth

Participating in hands-on workshops is always interesting. This two-day workshop on cybersecurity was really amazing with super interactive industrial experts. It is fascinating to know how cybersecurity works. In this digitally growing world, every one of us store all the confidential data in our electronic devices. It's because of these industrial experts who make security possible. We were totally engaged throughout the workshop. I express my heartfelt gratitude to the industrial experts for their effort in conducting workshop, for making it so interactive and encouraging us to speak out. We know how vast cyber security is and it cannot be done in two days, I wish it was more than 2 days. And I hope to attend many other workshops further.

Thankyou
Pravalika

The workshop wrapped up on a high note with a **Certificate Distribution Ceremony**, where participants received recognition for their active involvement. Certificates were also provided to the Resource Persons and the coordinators for their immense hard work and commitment towards the event. It was followed by insightful feedback shared by both students and faculty, as well as the resource persons. The event concluded with a **Vote of Thanks** from the faculty, marking the successful end of the two-day session. The experience gave students a hands-on opportunity to dive into the world of cybersecurity, equipping them with the skills and knowledge to handle real-world challenges in the digital space.



CERTIFICATES FOR PARTICIPANTS

CERTIFICATES FOR RESOURCE PERSONS

CERTIFICATES FOR FACULTY COORDINATORS