SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
(AN AUTONOMOUS INSTITUTION)
(Approved by AICTE New Delhi, Affiliated to Anna University Chennai, Accredited by NAAC)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)

SEMINAR REPORT

"CYBER SECURITY EXCELLENCE: SAFEGUARDING DIGITAL DATA"

Date: 04.09.2024

Program Coordinator   **HEAD OF THE DEPARTMENT**

Mrs.C.Premalatha,AP/ CyS   **Dr.K.Rajesh., AsP/CyS**

Mrs.P.Jeyapriya,AP/ CyS

INVITATION

Date	20.09.2024
Venue	Video Conference Hall ,SSMIET,Dindigul.
Chief guest	**Mr.Mukilan, Senior Cyber security Analyst.,**
Expert Talks About	**Cyber security excellence: safeguarding digital data**

The main objectives of the session is:

- Cyber Security in protecting devices and data from digital threats
- Ethical Hacking in identifying and addressing the security weakness of the network by providing reports and corrective measures before system exploitation
- Scopes and Domains of Cyber Security
- Common Cyber Threats in real world(Malwares)
- Differentiating various Social Engineering Attacks
- Brief on OWASP, non-profit organization that checks vulnerability in websites
- Web Attacks (Sensitive data exposure, SQL, IDOR)
    - o Live demo session Virustotal website, Sridevi textiles and Real bikes Website hacked contents, BURPSUITE tool execution

OUTCOMES:

Students were able to:

- Understand the technology in cyber security that helps to prevent unauthorized attacks through virus, Trojan horse, Spyware, Adware, Worms, Ransomeware and Rootkits
- Gained Knowledge on Intrusion Detection System(IDS) with the teams of Ethical hacking like:
    - o Red team-work on attack basis
    - o Blue team –Defense Prevention
    - o Purple team- includes both red and blue team
- Identify various social Engineering attacks like pishing, pretexting, deepfakesand honeytraps and Live Demo session made them to apply the toolBurpsuite and websites like OWASP, Virustotalinorder to findout various web threats like Broken access control, Injection and Identification & Authentication threats

EMPOWERING CONVERSATIONS MOMENTS

Figure: 1.Technical Session by Mr.Mukilan, Senior Security Analyst, Hebesec Technologies Pvt.,Ltd.,
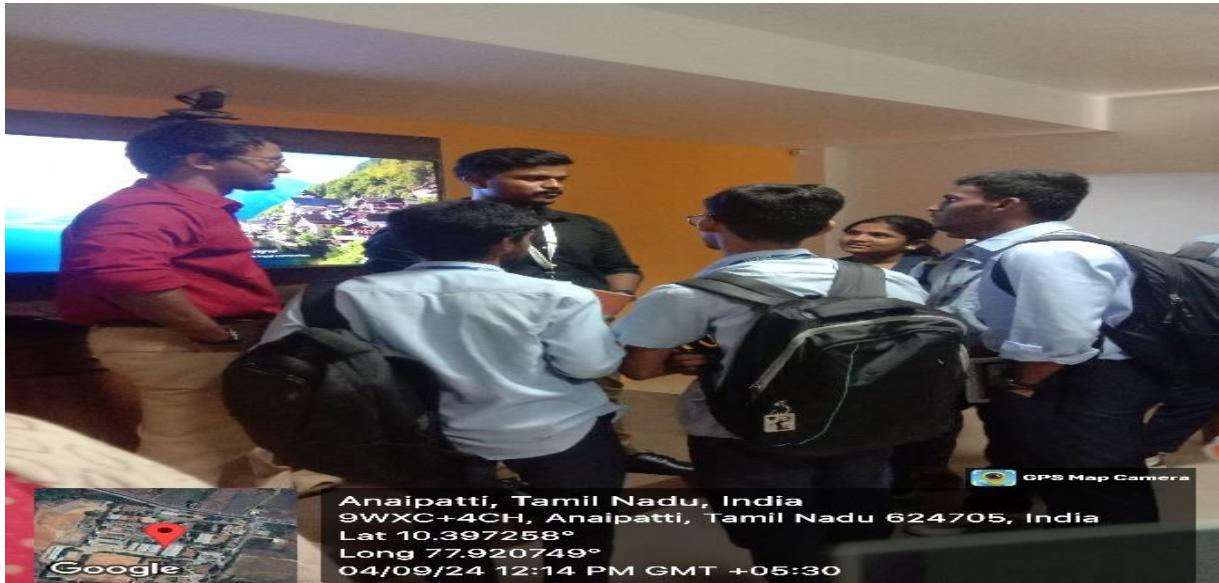

Figure: 2.Interactive and Q&A Sessions by Mr.Gokul and Mr.Mukilan, Senior Security Analyst, Hebesec Technologies Pvt.,Ltd.,