

PANIMALAR ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
WHITE SEC CLUB

Year&Month of Establishment:13th SEPT2022

Objective:

The White Sec Club for engineering undergraduate student aims to:

1. Our mission is to create a community where students can explore various aspects of cyber security, from ethical hacking and network security to data protection and digital forensics.
2. To conduct interactive demonstrations with different tools on topics like Penetration testing, Bug bounty, Ethical hacking etc.
3. To make the students aware of Cyber Security and vulnerabilities to protect the system using Cyber security tools.

Targeted Audience: Students interested in Ethical Hacking and Bug Bounty

Outcomes:

1. Innovative and interactive training to the students.
2. Prepare the students to meet the requirements of the real world cyber security works.
3. Creation of best projects for world level Security based competition.
4. Learning and implementing the skills needed for achieving digital safety and security of an individual and also helps in gaining hands-on technical experiences.

Faculty Coordinator :

Dr.T.JACKULIN, M.E., Ph.d.

Student Coordinators

- 1. Mr. M. RISHYENDRA (III CSE F)**
- 2. Ms. DHEEKSHANYA .P.S (III CSE A)**

Linkedin:

<https://www.linkedin.com/in/whitesec-club-b6102932a/>

Academic Year 2024-25(ODD)

WHITE SEC CLUB ACTIVITIES

S.no	Activities	Topics	Date	No.of students	Resource person
1.	Seminar	Introduction to Bug bounty - Security tools and Burp suit	01/08/24	66	Mr. M. Rishyendra (III CSE Student)
2.	Workshop	Burp Suite and Parameter Tampering	18/09/24	66	Mr. M. Rishyendra (III CSE Student)
3.	Seminar	Overview of Steganography and Cryptography	19/08/24	60	Mr. Durairaj V.P. (IV CSE Student)

1.Nameof the event: Introduction to bug bounty



Department of Computer Science and Engineering at Panimalar Engineering College has conducted an event on topic **Introduction to Bug Bounty- Security tool, Burp suite** on 1/08/24. This event was designed to enhance the understanding of bug bounty programs and the effective use of Burp Suite, a prominent security tool. These occasions provide lively chances to exhibit talents and encourage friendly rivalry. Our dedication to sharing knowledge and achieving technical excellence is exemplified through these thrilling monthly ventures. 66 Students are benefited from this event and it was organized by club coordinator Dr.T.Jackulin .

2.Name of the Event: Burp Suite and Parameter Tampering

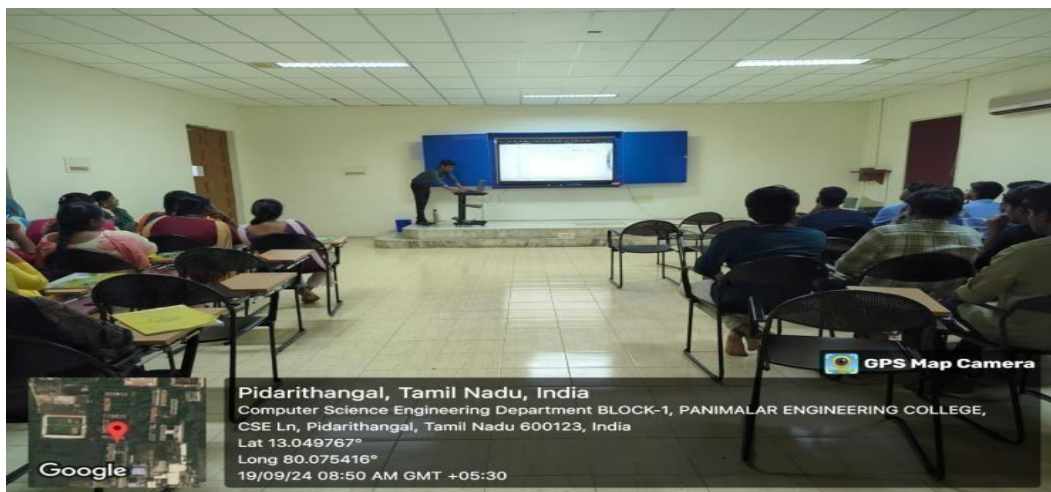


Department of Computer Science and Engineering at Panimalar Engineering College has conducted an workshop on topic Burp Suite and Parameter Tampering on 18/09/24. The workshop aimed to deepen participants knowledge of bug bounty programs and provide practical insights into Burp Suite and parameter tampering, essential tools and techniques in cybersecurity. These occasions provide lively chances to exhibit talents and encourage friendly rivalry. Our dedication to sharing knowledge and achieving technical excellence is exemplified through these thrilling monthly ventures. 66 Students are benefited from this event and it was organized by club coordinator Dr.T.Jackulin.

3. Name of the event: Overview of Steganography and Cryptography

IEEE **ACIS** **INSTITUTION'S INNOVATION COUNCIL**
PANIMALAR ENGINEERING COLLEGE
WHITE SEC CLUB
 ORGANIZES
OVERVIEW OF STEGANOGRAPHY AND CRYPTOGRAPHY
Tools Used:
 Openstego, Snow
Date: 19 Sept 2024
Time: 8:30AM to 10:30AM
Venue: Block-2 AV-Hall

Dr. P. Chinnadurai M.A., Ph.D., Secretary & Correspondent	Mrs. C. Vijarajeswari, Dr. C. Sakthi Kumar, Dr. Saranya Sree Sakthi Kumar M.E., Ph.D., M.B.A., Ph.D., Directors
Dr. Kavitha Subramani, Dr. V. Subedha Professor, CSE	Dr. L. Jabasheela M.E., Ph.D., Dr. K. Mani M.E., Ph.D., MOD, CSE Principal
Student Coordinators Dheekshanya P.S. M. Rishyendra	Coordinator Dr. T. Jackulin



Department of Computer Science and Engineering at Panimalar Engineering College has conducted an event on topic Overview of Steganography and Cryptography on 19/09/24. This event aimed to deepen the participants understanding of data security by exploring the concepts and applications of hiding information using steganography and protecting information through cryptographic techniques. These occasions provide lively chances to exhibit talents and encourage friendly rivalry. Our dedication to sharing knowledge and achieving technical excellence is exemplified through these thrilling monthly ventures. 60 Students are benefited from this event and it was organized by club coordinator Dr.T.Jackulin .



COORDINATOR

Dr.T.JACKULIN, M.E., Ph.d.



HOD-CSE

Dr.L.JABA SHEELA

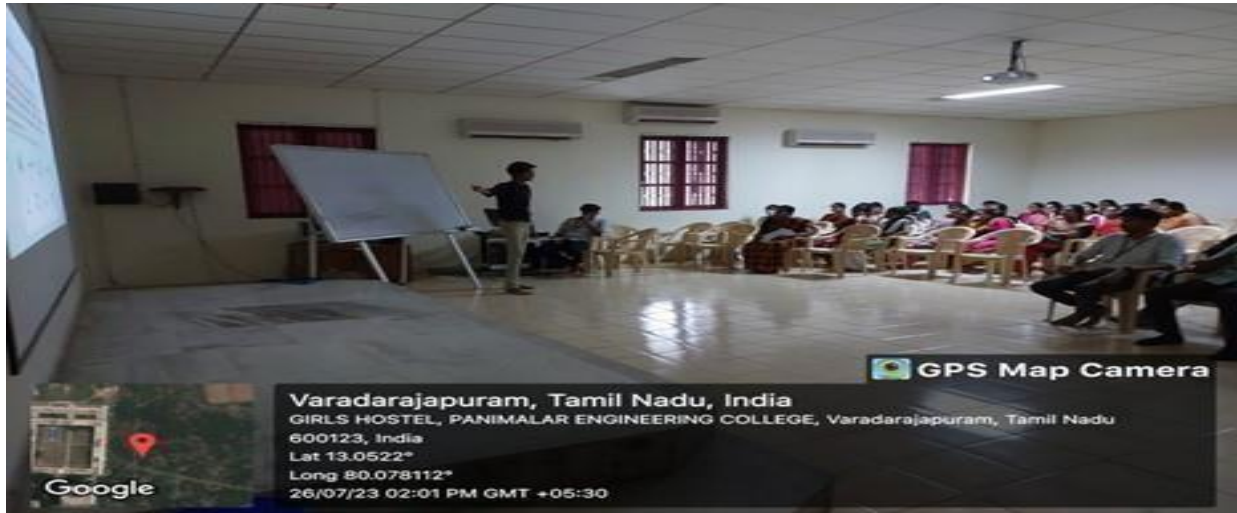
Dr. L.JABASHEELA
Professor & Head
Department of Computer Science and Engineering
Panimalar Engineering College
Chennai - 600123

Academic Year 2023-24

SECURITY CLUB ACTIVITIES

S.no	Activities	Topics	Date	No of candidates	Resource person
1	Seminar	Unravelling Web Application Security	26.07.2023	80	Vignesh.B (Final year Student)
2	Hands on Training	Web Application Penetration Testing.	13.09.2023	70	Vignesh.B (Final year Student)
3	Competition	Cyber Safe Quest 2023	23/09/2023	30	Vignesh.B (Final year Student)
4	Seminar	Introduction to Cyber Security	13/10/23	120	Vasanth Kumar.S.P (Infoziant solutions)
5	Seminar	Bug Bounty Session	07/02/24	70	Rishyendra.R (Second year Student)
6	Seminar	Emerging threats in Cyber security and strategiesfor protection	23/02/24	110	Sudhakar Kadhivel(COO) Vault infosec
7	Competition	Competition	15/04/24	50	Rishyendra.R (Second year Student)

Event 1. Unravelling Web Application Security

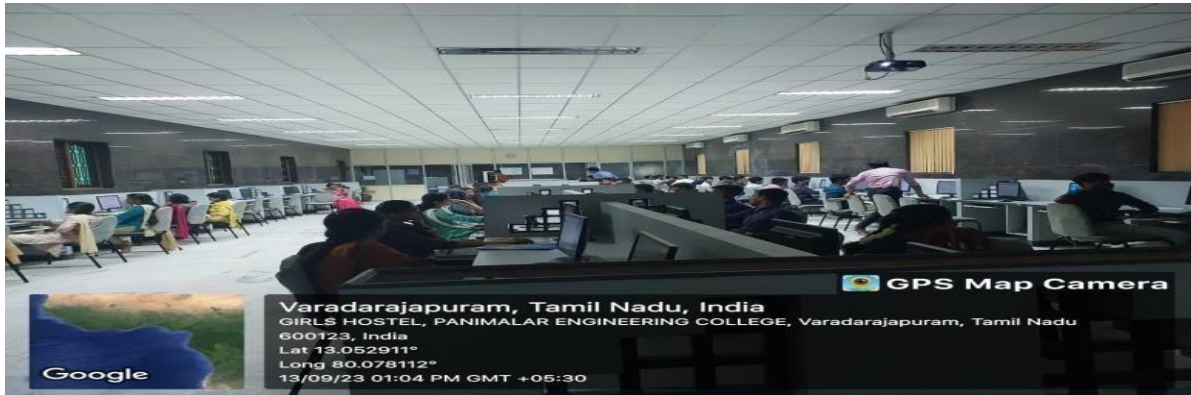


Attendees gained a comprehensive understanding of common vulnerabilities that assail web applications, including SQL injection, Cross-Site Scripting (XSS), and Insecure Direct Object Reference (IDOR).The seminar didn't just stop at identifying weaknesses; it equipped participants with strategies to mitigate these risks. Attendees delved into best practices for secure coding, penetration testing, and the deployment of robust security mechanisms. By the end of the session, students had possessed a heightened awareness of the significance of web application security and the tools necessary to bolster their applications against potential threats. More than 80 persons took part and benefited from the event. Dr.T.Jackulin Asso Prof/CSE coordinated the event.

B. Vignesh (Final Year Student)

Certified bug hunter from Prompt Infotech , adept at uncovering security flaws in software and web applications, ensuring robust protection of digital assets threats. Android Bug Bounty Hunting program graduate from EC council.

Event 2: Web Application Penetration Testing.



The upcoming workshop titled "Web Application Penetration Testing" on August 30, 2023, offers an immersive learning experience for participants seeking to delve into the intricacies of securing web applications. Led by a seasoned instructor, this session will provide a comprehensive overview of the techniques and methodologies employed in identifying and addressing vulnerabilities within web applications. Through a blend of theoretical insights and practical exercises, attendees will gain a deep understanding of the various attack vectors that malicious actors exploit. The workshop will cover essential concepts such as SQL injection, Cross-Site Scripting (XSS), Insecure Direct Object Reference (IDOR), and more. By the end of the workshop, attendees will possess a skillset that empowers them to conduct effective penetration tests, enabling them to uncover and mitigate vulnerabilities in web applications. More than 70 persons took part and benefited from the event. Dr.T.Jackulin Asso Prof/CSE coordinated the event.

B. Vignesh (Final Year Student)

Certified bug hunter from Prompt Infotech , adept at uncovering security flaws in software and web applications, ensuring robust protection of digital assets threats. Android Bug Bounty Hunting program graduate from EC council.

Event 3: Cyber Safe Quest 2023



The poster features a header with logos for IEEE (Advancing Technology for Humanity), University Society of India, IETE, ACM, and Institution's Innovation Council. The main text is centered on a light blue background, announcing the event organized by The WhiteSec Club. It includes the college name, department, affiliations, and accreditation details. The event details are: Date: 23.09.2023, Timings: 7:00pm onwards, and Mode: online. A calendar icon is placed next to the date. At the bottom, the convenors and coordinators are listed.

PANIMALAR ENGINEERING COLLEGE
DEPARTMENT OF CSE
AN AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI
APPROVED BY AICTE NEW DELHI, ACCREDITED BY NBA
BANGALORE TRUNK ROAD, VARADHARAJAPURAM, POONAMALLEE, CHENNAI-600123

THE WHITESEC CLUB
Organizes
COMPETITION
CYBERSAFE QUEST 2023

Date : 23.09.2023
Timings-7:00pm onwards
Mode: online

CONVENORS:
Dr.L.Jaba sheela , HOD, CSE
Dr. Kavitha Subramani, PROFESSOR,CSE

CLUB COORDINATOR:
Dr.T.Jackulin, M.E, ph.D

STUDENT COORDINATORS:
Naveen Kumar.S
Varsha.R

Introducing the "Cyber Safe quest 23," a dynamic and immersive event scheduled for September 12th, 2023. This hackathon presents an exciting platform for participants to showcase their cyber security skills and innovative problem-solving abilities. The event will challenge participants to tackle real-world cyber security scenarios, encouraging them to think creatively and strategically. The hackathon will focus on a range of challenges, spanning from penetration testing to vulnerability analysis, encompassing domains such as web applications, network security, and more. Participants will have the opportunity to work in teams, fostering collaboration and knowledge exchange. Through hands-on activities, participants will engage in simulated cyber security situations, enhancing their practical expertise." Cyber Safe quest 23 " is designed to offer a glimpse into the intricacies of the cyber security field, emphasizing its importance in today's digital landscape. Beyond the thrill of competition, participants will gain valuable insights, expand their skill set, and potentially uncover their passion for cyber security.

Event 4: Introduction to Cyber Security



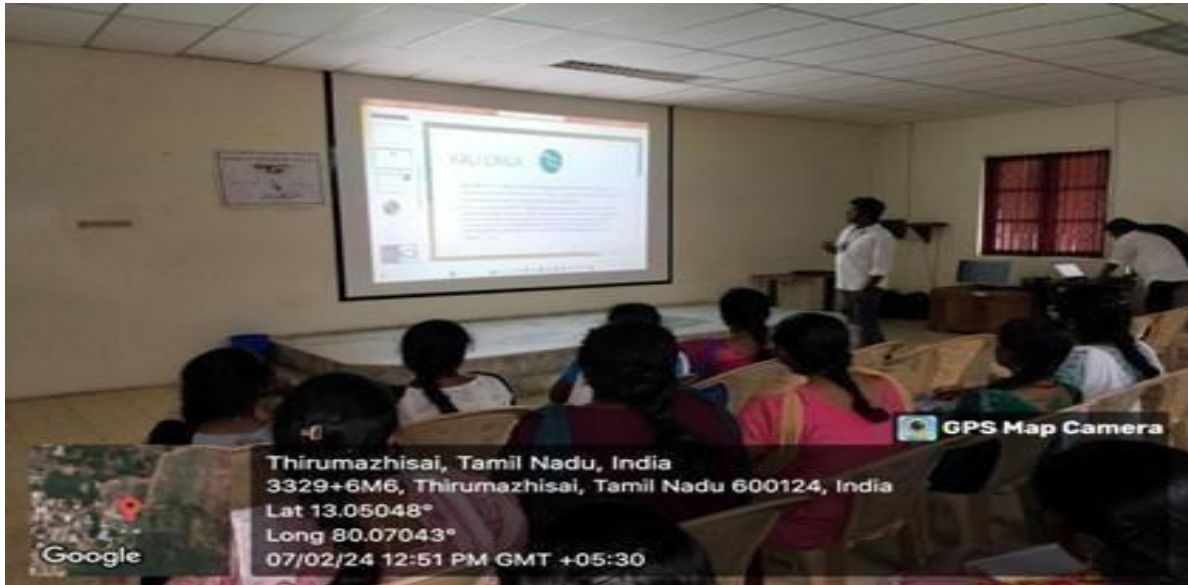
The "Introduction to Cyber security and Ethical Hacking" session is a comprehensive exploration of the digital realm's security landscape. In this informative presentation, students will delve into the critical concepts of cyber security, understanding its significance in today's interconnected world. Emphasis is placed on distinguishing between ethical hacking and malicious hacking, emphasizing the ethical nature and the positive impact of ethical hacking on organizations and individuals. Furthermore, the session provides valuable insights into potential career opportunities in the cyber security field, highlighting various roles and the qualifications and skills needed to excel in them. This session serves as a pivotal starting point for students interested in the dynamic and critical field of cyber security. More than 120 persons took part and benefited from the event. Dr. T. Jackulin, Asso Prof/CSE, coordinated the event.

RESOURCE PERSON PROFILE:

S.P. Vasanth kumar (Cyber Security Specialist)

Mr. S.P. Vasanth Kumar has eight years of experience in vulnerability assessments and penetration testing. He has wide knowledge in OWASP 10 vulnerabilities. He is recognized in top tech giants like Google, Facebook, Apple, BlackBerry, and the Government of India, where he ethically reports their security vulnerabilities.

Event 5: Bug Bounty Session



The session was taken by Mr.RishYendra (Second year Student) .These dynamic events are available to both security club members . By expanding our platform, we enable a wider **exchange of skills and perspectives**. These occasions provide lively chances to exhibit talents and encourage friendly rivalry. Our dedication to **sharing knowledge and achieving technical excellence** is exemplified through these thrilling monthly ventures. Students are benefited from this and the event is organized by club co-coordinator Dr.T.Jackulin.

R.Risyendra (Second Year Student)

Certified bug hunter from Prompt Infotech , adept at uncovering security flaws in software and web applications, ensuring robust protection of digital assets threats. Android Bug Bounty Hunting program graduate from EC council.

Event 6: Emerging threats in Cyber security and strategies for protection



On 23 feb 2024, our club organized guest lecture on emerging threats in cyber security and strategies for protection. The session was taken by Mr.Sudhakar Kathirvel (COO) Vault InfoSec. These dynamic events are available to both security club members and RPA club members . By expanding our platform, we enable a wider **exchange of skills and perspectives**. These occasions provide lively chances to exhibit talents and encourage friendly rivalry. Our dedication to **sharing knowledge and achieving technical excellence** is exemplified through these thrilling monthly ventures.80 Students are benefited from this guest lecture and the event is organized by club co- ordinators Dr.T.Jackulin and Dr.P.J.Sathishkumar.

RESOURCE PERSON PROFILE:

Mr.Sudhakar Kathirvel (COO) Vault InfoSec.

Mr.Sudhakar Kathirvel (COO) Vault InfoSec. Certified bug hunter from Prompt Infotech , adept at uncovering security flaws in software and web applications, ensuring robust protection of digital assets threats. Android Bug Bounty Hunting program graduatefromECcouncil.

Event 7: Competition


On 15 April 2024, our club organized a competition in bug bount. The session was conducted by Mr.RishYendra (Second year Student). These dynamic events are available to both security club members . By expanding our platform, we enable a wider **exchange of skills and perspectives**. These occasions provide lively chances to exhibit talents and encourage friendly rivalry. Our dedication to **sharing knowledge and achieving technical excellence** is exemplified through these thrilling monthly ventures.80 Students are benefited from this and the event is organized by club co-Ordinator Dr.T.Jackulin.

Competition link:

https://docs.google.com/forms/d/e/1FAIpQLSeVdcRYn-s98dDWW_CCSHGajujFPIInYT7xtsTa6Zfch6v5xPg/viewform?usp=sf_link


15/4/24.
Co-ordinator

Dr.T.Jackulin


15/4/24.

HOD/CSE

Dr.L.Jaba Sheela.

Dr. L.JABASHEELA
Professor & Head
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Academic Year 2022-23

SECURITY CLUB ACTIVITIES

S.no	Activities	Topics	Date	No of candidates	Resource person
1	Seminar	Introduction to Cyber Security and Ethical Hacking	23.09.2022	120	Akash Pancharne
2	Webinar	Webinar on Cyber Security Tools	15.10.2022	60	S.P.Vasanth Kumar
3	Webinar	1.Burpsuite explanation and guide to work 2.dvwa (guide to work on sql injection and xss) 3.bwapp (guide to work on sql injection, xss - (reflected, stored, ajax etc.,))	29.10.2022	70	S.P.Vasanth Kumar
4	Competition	cyber league 2022	12.11.2022	25	S.P.Vasanth Kumar
5	Seminar	Burp Suite Hands-On	16.02.2023	70	S.P.Vasanth Kumar

Event 1: Introduction to Cyber Security and Ethical Hacking



The "Introduction to Cyber security and Ethical Hacking" session is a comprehensive exploration of the digital realm's security landscape. In this informative presentation, students will delve into the critical concepts of cyber security, understanding its significance in today's interconnected world. Emphasis is placed on distinguishing between ethical hacking and malicious hacking, emphasizing the ethical nature and the positive impact of ethical hacking on organizations and individuals. Furthermore, the session provides valuable insights into potential career opportunities in the cyber security field, highlighting various roles and the qualifications and skills needed to excel in them. This session serves as a pivotal starting point for students interested in the dynamic and critical field of cyber security.

RESOURCE PERSON PROFILE:

Akash Pancharne:

Akash Pancharne from Honeywell Technologies Bangalore. Adept at uncovering security flaws in software and web applications, ensuring robust protection of digital assets threats. Android Bug Bounty Hunting program graduate from EC council.

Event 2: Webinar on Cyber Security Tools

PANIMALAR ENGINEERING COLLEGE
DEPARTMENT OF CSE

**CYBER SECURITY-
A HANDS ON SESSION**

**Saturday
15-10-2022
6:00-7:30 p.m**

Vasantha kumar having 8- years of experience in vulnerability assessments and penetration testing

Having wide knowledge in OWASP 10 vulnerability, source code review (SAST), dynamic application testing (DAST) and penetration testing (web application, mobile (Android and iOS) and APIs)

Got recognised in top tech giants like Google, Facebook, Apple, Blackberry, Govt. of India, McAfee, Comodo Security Solutions (40-companies) for ethically reported their security vulnerabilities.

Got nominated as a Top 100 award for CEH hall of fame 2021 worldwide.

CLUB COORDINATORS:
Dr.T.Jackulin M.E ph.D
C.Vijyalakshmi M.E
M.Sangeetha M.E

HOD Dr.L.Jaba sheela M.E,Ph.D

**VASANTHA KUMAR.S.P
CYBER SECURITY
SPECIALIST**

The "Tools for Beginners" session offers a practical and hands-on exploration of essential tools for individuals embarking on their journey in the field of web development and cybersecurity. This engaging presentation introduces three fundamental tools: XAMPP, DVWA (Damn Vulnerable Web Application), and bWAPP (Buggy Web Application). Through XAMPP, students will discover how to set up a local web server environment, enabling them to develop and test websites without needing an external server. The session then delves into DVWA and bWAPP, which are intentionally vulnerable web applications designed to help learners understand common security vulnerabilities. will learn how to navigate and exploit these vulnerabilities, gaining valuable insights into the mindset of potential attackers and, consequently, bolstering their ability to create more secure web applications. By the end of the session, attendees will have a solid foundation in using these tools and a deeper understanding of web development and cyber security concepts, setting the stage for their continued growth in these domains.

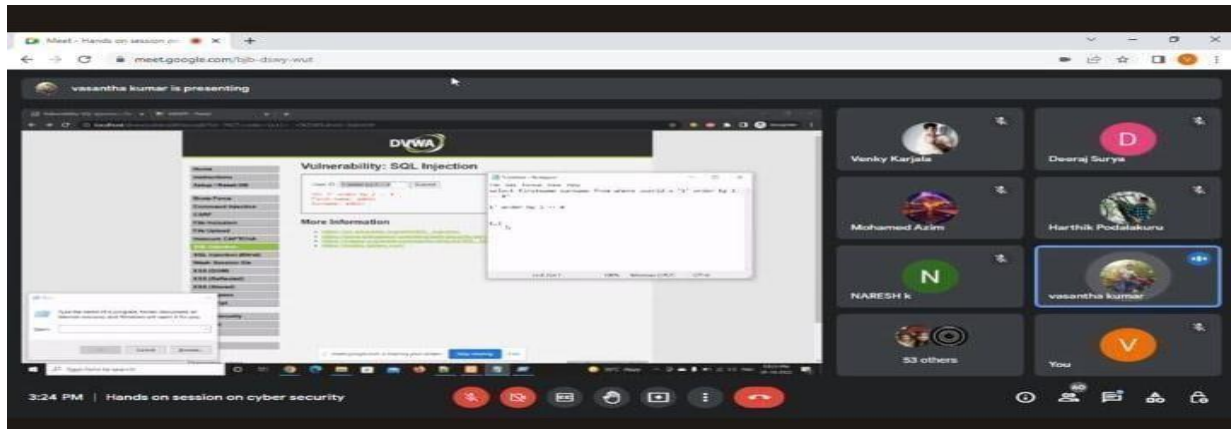
RESOURCE PERSON PROFILE:

S.P. Vasanth kumar (Cyber Security Specialist)

Mr.S.P.Vasanth Kumar having eight years experience in vulnerability

assessments and penetration testing. He is having wide knowledge in OWASP 10 vulnerability. Get recognized in top tech giants like google, facebook, Apple, blackberry, Govt of india ethically report their security vulnerabilities.

Event 3: Burpsuite explanation and guide to work



The online session on "Advanced Web Security Tools" provides an immersive journey into the world of cyber security and ethical hacking, focusing on three pivotal tools: Burp Suite, DVWA (Damn Vulnerable Web Application), and bWAPP (Buggy Web Application). Moving forward, the session delves into DVWA, where participants will receive a step-by-step guide on conducting SQL injection and Cross-Site Scripting (XSS) attacks. Lastly, the focus shifts to bWAPP, where participants will explore a wider spectrum of vulnerabilities, including reflected, stored, and AJAX-based XSS, along with SQL injection. This segment equips students with practical skills to identify and address these vulnerabilities, enhancing their ability to secure web applications effectively.

RESOURCE PERSON PROFILE:

S.P. Vasanth kumar (Cyber Security Specialist)

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Event 4: cyber league 2022

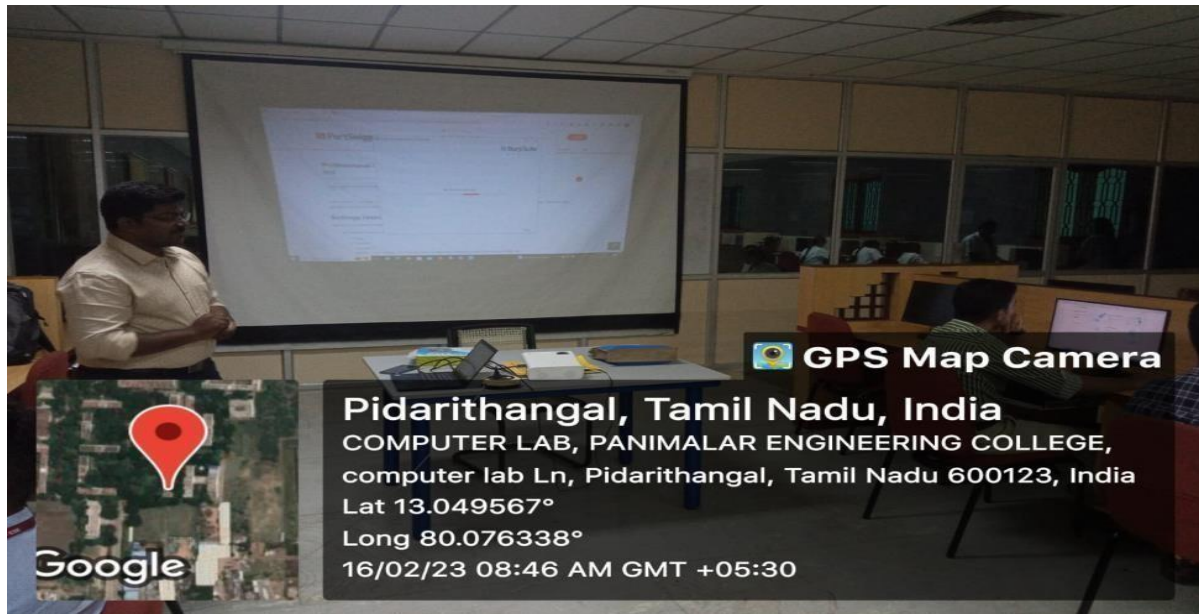


The "Cyber League 2022" presents an exciting opportunity for participants to engage in a dynamic hackathon aimed at honing their cybersecurity skills. This event will focus on a vulnerable web application, the <http://testasp.vulnweb.com/>, where participants will embark on a mission to identify and exploit vulnerabilities such as SQL injection, Cross-Site Scripting (XSS), and HTML Injection. Under the guidance of experienced instructors, this online session will provide a platform for students to apply their theoretical knowledge in a practical and real-world context. Participants will delve into the intricacies of these vulnerabilities, understanding their potential impact and repercussions. The "Cyber League 2022" hackathon promises to be an engaging and educational experience, nurturing the next generation of cyber security professionals.

AWARD PROOF:



Event 5: BURP SUITE HANDS-ON



The "Burp Suite Hands-On" session is an immersive offline workshop that offers students a practical understanding of using Burp Suite, a powerful web vulnerability scanner and penetration testing tool. Through this session, participants will gain hands-on experience in utilizing Burp Suite's various modules and features to assess the security of web applications. The workshop will cover essential aspects, including setting up Burp Suite, navigating its user interface, conducting manual and automated scanning for vulnerabilities, and analyzing the results. Students will have the opportunity to simulate real-world scenarios by identifying and exploiting common web application security flaws.

RESOURCE PERSON PROFILE:


S.P. Vasanth kumar (Cyber Security Specialist)

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16/2/23.
Co-ordinator

Dr. T. Jackulin


16/2/23
HOD/CSE

Dr. L. Jaba Sheela.

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