KPR Institute of Engineering and Technology

Learn Beyond (Autonomous, NAAC "A")

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CS001

NBA Accredited
(CSE, ECE, EEE, MECH, CIVIL)

FIESTAA WORKSHOP ON OWASP WEB APPLICATION

Event No	CS001
Organizing Department	Computer Science and Engineering
Date	28/03/2024
Time	10:00 AM to 01:00 PM
Event Type	Workshop
Event Level	Dept. Level
Venue	HPC Lab

Related SDG

Involved Staffs

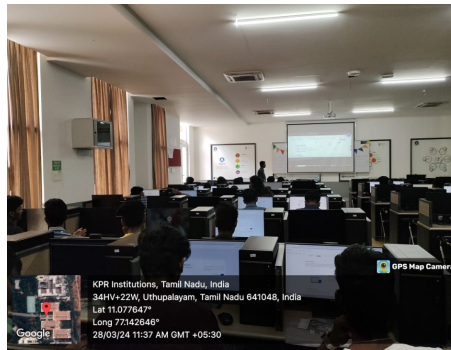| SI	Name	Role
1	Suresh K K	Coordinator

Outcome

Students gain knowledge about the latest trends and best practices in web application security, network with other professionals in the field, participate in workshops and training sessions, and potentially contribute to open-source projects related to web security.

Event Summary

Web application vulnerabilities are weaknesses or flaws in web applications that can be exploited by attackers to compromise the confidentiality, integrity, or availability of data or services. These vulnerabilities can exist in various components of a web application, including the front end, back end, server-side scripts, databases, and communication protocols. Here's an overview of some common web application vulnerabilities: **Injection Vulnerabilities**, **Authentication and Session Management Vulnerabilities**, **Cross-Site Request Forgery (CSRF)**, **Insecure Direct Object References (IDOR), Security Misconfigurations, Sensitive Data Exposure, Insecure Deserialization, XML External Entity (XXE) Injection, Broken Access Control, Security Headers. Developers and security professionals need to be** aware of these vulnerabilities and adopt secure coding practices, perform regular security assessments, and implement appropriate security controls to mitigate these risks.

62 students from various engineering colleges participated and gained knowledge. Overall, attending an OWASP Web Application Workshop can be instrumental in bolstering the security knowledge and practices of developers, security professionals, and anyone else involved in the development or maintenance of web applications. The outcome of an OWASP Web Application workshop is to empower participants with the knowledge, skills, and resources needed to better understand, identify, and mitigate web application security risks, ultimately contributing to the creation of more secure web applications and systems.

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