

Gujarat Technological University

Graduate School of Engineering and Technology

A Report on Expert Session

Web Application Security

(Date: 29th May, 2021)

The expert session (online mode) was organized by GTU-Graduate School of Engineering and Technology under its **Skill Enhancement Program Series**.

Ms. K. Indraveni who is Joint Director at C-DAC Hyderabad (Ministry of Electronics and IT) was a resource person in this expert session.

Objectives

- To make the participants aware about vulnerabilities in web applications.
- To demonstrate few attacks on web applications.

Participants

Around 23 students of GSET (M.E.-Cyber Security) were joined and took advantage of this online expert session.



Web Application Security - An Expert Session

Reflective XSS

- Any page that takes user input and displays it back as is:
- Ex: Search results, validate user details.

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Web Application Security - An Expert Session

Content covered in brief

1. HTTP 3.0
2. Analysis of website/webpage (Firefox)
3. Injection Attacks (SQL, HTML, IFrame, Command, Code, XPath, LDAP)
4. Examples of SQL injection
5. Cross Site Scripting and its major 2 types (Reflective and Persistent)
6. Tab napping attack
7. Cross Site Request Forgery
8. Authentication and Authorization Flaws
9. Session Hijacking, Session Fixation
10. File Upload Vulnerability
