

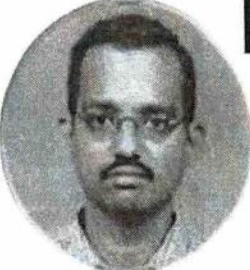




**A Report on
Webinar On
Web Application Security**

07 May 2021

	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE www.mits.ac.in (UGC-AUTONOMOUS INSTITUTION) Madanapalle-517325, Chittoor Dist., Andhra Pradesh	
	Webinar on "Web Application Security" Resource Person Dr.R.Manivannan Professor / Department of CSE Stanley College of Engineering and Technology for Women Chapel Road, Abids Hyderabad ,Telangana ,India	Date 07-05-2021 (Friday) Time 10:00 am Event venue WB-315
Chief Patron Dr. N Vijaya Bhaskar Choudary Secretary & Correspondent	Patron Mrs. Keerthi Nadella Executive Director	Program Chair Dr. C Yuvaraj Principal
Co-Chair Dr. M Sreedevi Professor & HOD / CST		Convener Dr.R. Sendhil Assistant professor / CST
Department of Computer Science & Technology		

Submitted by Dr. R. Sendhil, Assistant Professor, Department of CST.

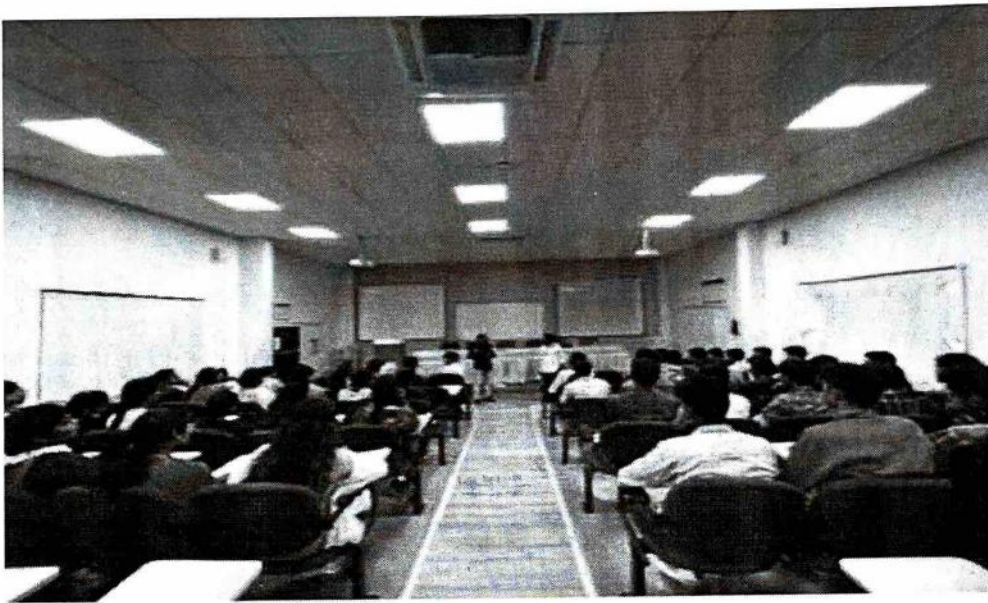
Resource Person details:

Resource Person: **Dr R Manivannan**
Designation: **Professor**
Department: **CSE**
Organization: **Stanley College of Engineering and Technology for Women, Hyderabad**
Participants: **III year CST & III year Cyber Security students**
Attendance: **75 participants (Internal)**
Venue: **Seminar Hall – A, MITS, AP**
Mode: **Online**

Department of Computer Science and Technology, has organized Webinar on " **Web Application Security** " on 07-05-2021 (Friday), 10:00 AM.

Objective:

The aim of this Webinar is that students has to know about Web application security concepts , different security platforms, Importance to the society, Applications, its usage with practical implementation.



Welcome Address: Dr. R. Sendhil, Assistant Professor, Event Coordinator, Department of CST, MITS gave few words about the event with a grand welcome to the Resource Person, HOD, Faculty members and participants and thanked organizers and participants for organizing this event.

Resource Person Introduction: Dr. R. Sendhil, Assistant Professor, Department of CST, MITS, Madanapalle conveyed his greetings to Resource person, Management, Principal, Vice Principals, Deans, all the HODs, Faculty members for giving this opportunity for conducting Online Webinar. Then he introduced the resource person Dr R Manivannan to the gathering and read about his achievements.

Dr. M. Sreedevi, HOD, Department of CST heartily invited Resource person for the Online Webinar. She discussed few things about web security, its importance to the society, how to utilize various security measures and asked students to utilize the opportunity.

The Resource person **Dr R Manivannan** joined online and he has started the session by extending his heartily thanks to the participants organizing members, HOD, Principal and Management of MITS, Madanapalle for giving him opportunity to share his knowledge and experience in " **Web Application Security** " .



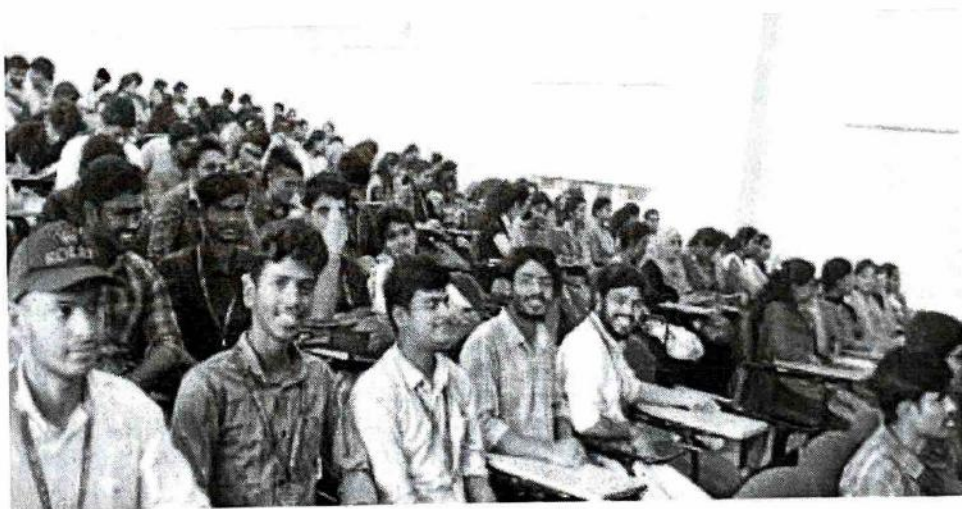
The resource Person delivered Webinar on the following topics:

- Introduction to Web Application Security
- OWASP (Open Web Application Security Project)
- Cross-Site Scripting (XSS) Attacks
- SQL Injection Prevention
- Cross-Site Request Forgery (CSRF) Protection:
- Authentication and Authorization Best Practices
- Secure Coding Practices:
- Secure Development Lifecycle (SDL)



Detailed explanation of webinar :

1. **Introduction to Web Application Security:** Understanding the basics of web application security, common threats, and vulnerabilities.
2. **OWASP Top 10:** Exploring the OWASP (Open Web Application Security Project) Top 10 vulnerabilities, including Injection, Broken Authentication, Sensitive Data Exposure, etc., and how to mitigate them.
3. **Cross-Site Scripting (XSS) Attacks:** Deep dive into XSS attacks, including reflected XSS, stored XSS, and DOM-based XSS, along with best practices for prevention.
4. **SQL Injection Prevention:** Strategies for preventing SQL injection attacks, including parameterized queries, input validation, and the use of ORM frameworks.
5. **Cross-Site Request Forgery (CSRF) Protection:** Understanding CSRF attacks and techniques for mitigating them, such as CSRF tokens and SameSite cookies.
6. **Authentication and Authorization Best Practices:** Guidelines for secure authentication mechanisms, including multi-factor authentication (MFA) and session management.
7. **Secure Coding Practices:** Best practices for writing secure code, including input validation, output encoding, and proper error handling.
8. **Secure Development Lifecycle (SDL):** Incorporating security into the software development lifecycle, from design and development to testing and deployment.



Queries and Feedback session:

- Students asked queries on Web security attacks, different measurements to be taken on attacks, Resource person answered for all those queries.

- Students asked about SQL injection attacks and its threats
- Students given feedback on the Online guest lecture and said they felt happy for involving in this type of session as they got clear picture about Cloud Computing.

Take away from session:

- Students understood the Basics of web security concepts
- Students know the types of security attacks
- Students got the idea of how SQL injection attacks destroys the web contents.

The session ended by **Dr. M. Sreedevi, Professor, Head of the Department, MITS,** thanking the resource person, faculty members and students and expressed her gratitude to the Management and Principal for giving permission and financial support to organize this programme.

Vote of Thanks: The session was concluded at 12:00 pm followed by a vote of thanks, given by CST Department IEEE Student Branch faculty Coordinator, **Dr. R. Sendhil,** Assistant Professor, Department of CST, MITS, Madanapalle.



Head of The Department
Computer Science & Technology
Madanapalle Institute of Technology & Sciences
MADANAPALLE - 517 312