



**PRAGATI ENGINEERING COLLEGE  
(AUTONOMOUS)  
DEPARTMENT OF CSE (CYBERSECURITY)**

---

PEC/CIRCULAR/2026

Date: 01-02-2026

**CIRCULAR**

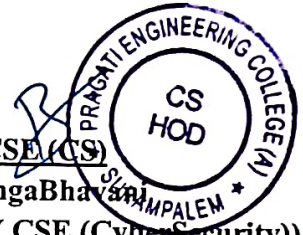
This is to inform all students that the "SECURITY OF WEB APPLICATIONS" event organized by the Cyber Security Club of the Department of Cyber Security will be held offline on 03-02-2026 at the college campus.

All interested students are requested to attend the session in person, using their names along with their roll numbers, and actively participate in the event.

**Faculty Coordinator**

**Mrs. K. Sireesha**

**Assistant Professor ( CSE (CyberSecurity))**



**HOD-CSE (CS)**

**Mrs. T. GangaBharati**

**Assistant Professor ( CSE (CyberSecurity))**

**Student Coordinators:**

**I. Naveen (III CSE (CS))**

**A.Raghu Ram (III CSE (CS))**



PRAGATI ENGINEERING COLLEGE  
(AUTONOMOUS)  
DEPARTMENT OF CSE (CYBERSECURITY)

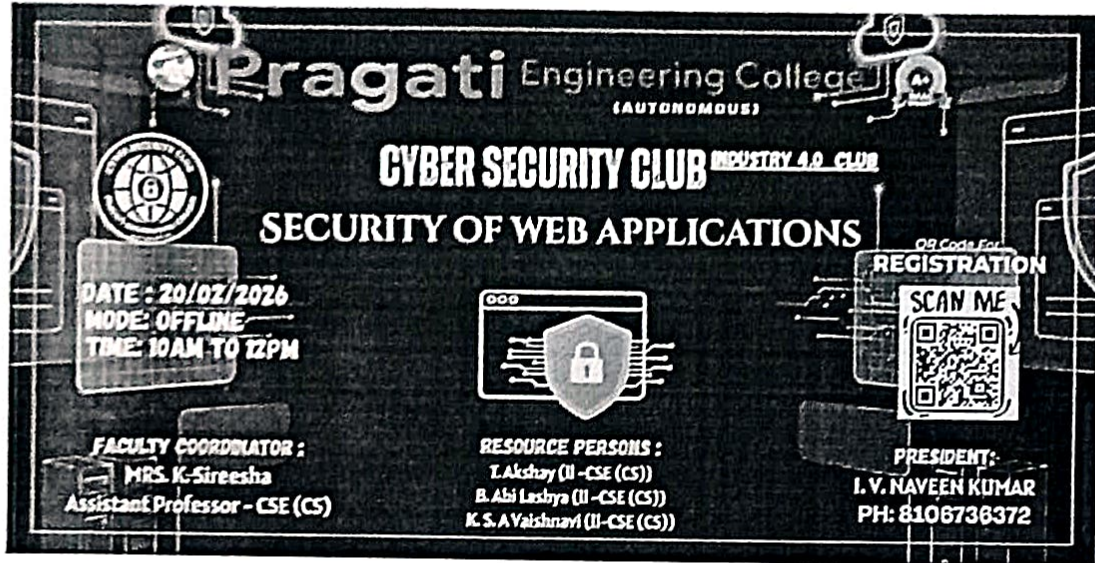
CYBER SECURITY CLUB

DATE: 03-02-2026

MODE: OFFLINE

TIME: 10:00AM TO 12:00 PM

Here is the official poster of our Event:



**FACULTY CO-ORDINATOR:**

Mrs. K. Sireesha

Assistant Professor (CSE (Cyber Security))

**STUDENT CO-ORDINATORS:**

1. I. Chinni (2<sup>nd</sup> year CSE (CS))
2. G. Purni Sasi Kala Devi (2<sup>nd</sup> year CSE (CS))
3. P. Divya Sree (2<sup>nd</sup> year CSE (CS))
4. K. Sri Aditya Vyshanvi (2<sup>nd</sup> year CSE (CS))
5. CH. Geeta Sahithi (2<sup>nd</sup> year CSE (CS))
6. R. Madhurima (2<sup>nd</sup> year CSE (CS))
7. P. Vineetha Satya (2<sup>nd</sup> year CSE (CS))
8. B. Abi Lashya (2<sup>nd</sup> year CSE (CS))
9. K. Padmini (2<sup>nd</sup> year CSE (CS))
10. A. Mamatha (2<sup>nd</sup> year CSE (CS))
11. T. Akshay (2<sup>nd</sup> year CSE (CS))
12. G. Gowtham (2<sup>nd</sup> year CSE (CS))
13. K. Mohan (2<sup>nd</sup> year CSE (CS))
14. B. Amar Sai Teja (2<sup>nd</sup> year CSE (CS))
15. P. Srinivas (2<sup>nd</sup> year CSE (CS))



**PRAGATI ENGINEERING COLLEGE  
(AUTONOMOUS)  
DEPARTMENT OF CSE (CYBERSECURITY)**

**REGISTRATIONS:**

Students Registered for event on "SECURITY OF WEB APPLICATIONS"

S.No.	Student Name	Roll Number	Branch	Section	Year Of Studying
1	P.Saivilasini	24A31A4625	CS	A	2nd Year
2	Manam Sri Varsha	24A31A4620	CS	A	2nd Year
3	Gollapalli Sri Naga Sai Durga Mani	24A31A4610	CS	A	2nd Year
4	AkshayaKeerthi. Kali	24A31A4614	CS	A	2nd Year
5	Inti Chinni	24A31A4613	CS	A	2nd Year
6	Uppalapu p ch p s suryaprakashrao	24A31A4661	CS	A	2nd Year
7	B Bhargavi	24A31A4603	CS	A	2nd Year
8	Padmini Karnuri	24A31A4615	CS	A	2nd Year
9	Rama Venkata Satya	24A31A4645	CS	A	2nd Year
10	Sireesha Martha	24A31A4621	CS	A	2nd Year
11	P. Papa	25A35A4602	CS	A	2nd Year
12	Kosana Akshaya	24A31A4619	CS	A	2nd Year
13	Gayatri boddu	24A31A4605	CS	A	2nd Year
14	Dangeti Venkata Durga Vura Prasad	24A31A4636	CS	A	2nd Year
15	K.Ramadevi	24A31A4616	CS	A	2nd Year
16	Nihitha Sai Narala	24A31A4623	CS	A	2nd Year
17	Yelisetty Nagendra	24A31A4665	CS	A	2nd Year
18	Chitturi Geetha Sai Rakshita	24A31A4609	CS	A	2nd Year
19	Pakala kameswarasaiSathwick	24A31A4652	CS	A	2nd Year
20	K Hemanth Lokesh	24A31A0445	ECE	A	2nd Year
21	Geeta SahithiChetti	24A31A4607	CS	A	2nd Year
22	Mery Mamatha Akula	24A31A4601	CS	A	2nd Year
23	G.Purnisasi kala devi	24A31A4611	CS	A	2nd Year
24	Pravalikakorimi	24A31A4618	CS	A	2nd Year
25	GadamsettiRatna Sri Sudha Bindu	24A31A05JE	CSE	F	2nd Year
26	T D S S Akanksha	24A31A05JU	CSE	F	2nd Year
27	K. Bharathi	24A31A4617	CS	A	2nd Year
28	V Mohana Manjula	24A31A05JW	CSE	F	2nd Year
29	Dhanusha	24A31A4602	CS	A	2nd Year
30	D Likhith Kumar	24A31A4637	CS	A	2nd Year
31	Pachimala Hari Priya	24A31A4624	CS	A	2nd Year
32	Buddana Hema Madhulika	24A31A4606	CS	A	2nd Year
33	Kouluri Mohan ponnadhar	24A31A4649	CS	A	2nd Year
34	G. sasneha	24A31A4612	CS	A	2nd Year

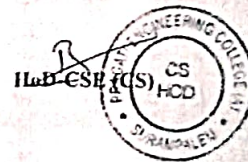


PRAGATI ENGINEERING COLLEGE  
(AUTONOMOUS)  
DEPARTMENT OF CSE (CYBERSECURITY)

ATTENDANCE:

S No	Name of the Student	Department	Signature
1.	A. Dhanulha	CSE - CS	A. Dhanulha
2.	M. Sireesha	CSE - CS	M. Sireesha
3.	B. Bhargavi	CSE - CS	B. Bhargavi
4.	U. G.S. Rakshita	UI - CS	U. G.S. Rakshita
5.	T. Taraki	UI - CS	T. Taraki
6.	V. Ramadevi	CSE - CS	V. Ramadevi
7.	K. Akshaya	CSE - CS	K. Akshaya
8.	Ch. Haritha Devi	CSE - CS	Ch. Haritha Devi
9.	N. Nibitha Sai	CSE - CS	N. Nibitha Sai
10.	G.Si Naga Sai Durga Mani	CSE - CS	G.S. N.S.D. Mani
11.	K. Akshaya Keerthi	CSE - CS	K.A. Keerthi
12.	G. Purni Prasikala Devi	CSE - CS	G. Purni
13.	R. Madhurima	CSE - CS	R. Madhurima
14.	K. Padmini	CSE - CS	K. Padmini
15.	R. Abilashya	CSE - CS	R. Abilashya
16.	A. Mayy. Haradha	CSE - CS	A. Mayy. Haradha
17.	B. Gayatri	CSE - CS	B. Gayatri
18.	K. Pranavika	CSE - CS	K. Pranavika
19.	G. Sai sneha	CSE - CS	G. Sai sneha
20.	P. Pooja Sai Sri	CSE - CS	P. Sai Sri
21.	K. Pravatika S. Chinni	CSE - CS	K. Pravatika S. Chinni
22.	P. Pooja Priya	CSE - CS	P. Pooja Priya
23.	B. Hema Madhulika	CSE - CS	Hema Madhulika
24.	V. Jyothicharan	CSE - CS	V. Jyothicharan
25.	K. Mohan Prasad	CSE - CS	K. Mohan Prasad
26.	D. Venkata Durga Venkatesh	CSE - CS	D.V.D. Venkatesh
27.	P. Sakshitha	CSE - CS	P. Sakshitha
28.	T. Isak	CSE - CS	T. Isak
29.	S. Sunny	CSE - CS	S. Sunny

Co-Ordinator





**PRAGATI ENGINEERING COLLEGE  
(AUTONOMOUS)  
DEPARTMENT OF CSE (CYBERSECURITY)**

**SCREENSHOTS/SESSION PICTURES:**

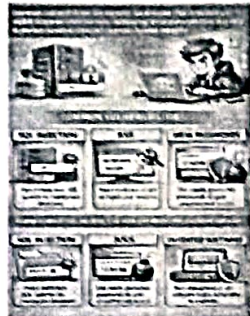
**Introduction**

This slide introduces the course, its objectives, and the importance of cybersecurity in the current digital landscape. It outlines the course structure and the role of the instructor.



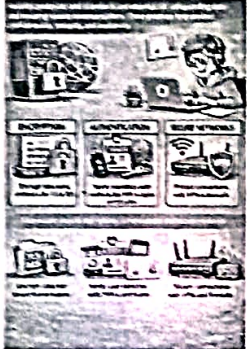
**Common Vulnerabilities**

Common vulnerabilities include: Buffer Overflow, Cross Site Scripting (XSS), and Command Injection (CUI). These vulnerabilities are often exploited by attackers to gain unauthorized access to systems. Identifying and mitigating these vulnerabilities is crucial for securing any web application.




**Security protocols and standards**

Security protocols like SSL/TLS and standards like ISO 27001 are essential for ensuring data confidentiality and integrity. Understanding these protocols and standards is key to implementing robust security measures.




**Risk Assessment Methodologies**

Risk assessment involves identifying potential threats, evaluating vulnerabilities, and estimating the impact. Methodologies such as qualitative and quantitative risk analysis provide structured approaches to prioritize security risks and allocate resources effectively.



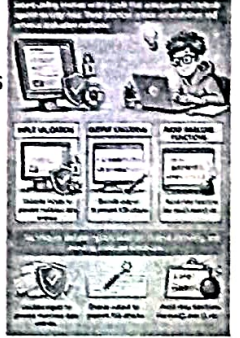
**02 Secure Development Practices**

This section focuses on integrating security into the development lifecycle from the start. It covers best practices for writing secure code and conducting regular security audits.




**Secure Coding Techniques**

Secure coding involves writing code that minimizes and prevents security flaws. Techniques include input validation, output encoding, and avoiding insecure functions. These practices help reduce vulnerabilities and enhance application resilience.



**THREAT MODELING**

This slide details the process of threat modeling, which involves identifying potential threats and their impact on the system. It includes a diagram showing the flow of information and the points where threats can occur.




**Threat modeling**

Threat modeling is a proactive approach to identify potential security threats during the design phase. It helps developers foresee attack vectors, assess risks, and implement appropriate controls to mitigate vulnerabilities before deployment.

**Security testing**

Security testing is critical to identify vulnerabilities before deployment. It includes penetration testing, static and dynamic analysis, and automated scanning. These approaches help uncover weaknesses by simulating attacks, ensuring the application delivers security under various conditions and reduces the risk of data breaches.





**PRAGATI ENGINEERING COLLEGE  
(AUTONOMOUS)  
DEPARTMENT OF CSE (CYBERSECURITY)**

---

**REPORT:**

On 03-02-2026, The "CyberSecurity Club" of Department of CSE (Cyber Security) have Organized a "SECURITY OF WEB APPLICATIONS".

**Event Name:** SECURITY OF WEB APPLICATIONS

**Date:** 03-02-2026

**Organized by:** Cyber Security Club, Department of CSE ( CyberSecurity)

**Faculty Coordinator:** Mrs.K. Sireesha Assistant Professor (CSE (Cyber Security))

**Resource Persons:** T.Akshay(2<sup>nd</sup> year,CSE (CS))

B.Abi Lashya(2<sup>nd</sup> year,CSE (CS))

K.S.A Vaishnavi(2<sup>nd</sup> year,CSE (CS))

**Event Summary:-**

**Introduction (Overview of Web Application Security)**

This slide introduces the concept of web application security and explains its importance in protecting sensitive data and maintaining user trust. It outlines the key focus areas of the presentation, including common vulnerabilities, security protocols, risk assessment, secure development practices, authentication mechanisms, and incident response strategies. The slide emphasizes that understanding these components helps organizations defend against cyber threats and ensure a secure digital presence.

**Fundamentals of Web Application Security**

This slide explains the foundational concepts of web application security. It highlights how modern web applications are exposed to various threats and why security must be integrated from the initial stages of development. The focus is on understanding the basic principles required to protect web systems from unauthorized access and data breaches.

**Common Vulnerabilities**

This slide discusses major web application vulnerabilities such as SQL Injection, Cross-Site Scripting (XSS), and Cross-Site Request Forgery (CSRF). It explains how attackers exploit these weaknesses to manipulate databases, execute malicious scripts, or impersonate legitimate users. The slide stresses the importance of identifying and mitigating these vulnerabilities to prevent serious security incidents.

**Security Protocols and Standards**

This slide explains essential security protocols like HTTPS and TLS, along with standards such as OWASP guidelines. It highlights how encryption, authentication, and secure communication protocols protect data in transit. The slide emphasizes adherence to established standards to ensure secure software development and data integrity.



**PRAGATI ENGINEERING COLLEGE  
(AUTONOMOUS)  
DEPARTMENT OF CSE (CYBERSECURITY)**

---

### **Session Management**

This slide explains the importance of secure session management after user login. It covers secure session ID generation, timeout mechanisms, and protection against session hijacking. The slide highlights how proper session handling preserves data confidentiality and prevents unauthorized access.

### **Real-Time Threat Detection**

This slide discusses real-time threat detection mechanisms such as intrusion detection systems (IDS) and security information and event management (SIEM) tools. It explains how continuous monitoring enables early identification of suspicious activities, allowing quick response to minimize damage.

### **Incident Handling Procedures**

This slide explains the structured process followed during a security incident. It covers identification, containment, mitigation, and recovery procedures. The slide emphasizes that a well-planned incident response strategy reduces impact and supports business continuity.

### **Security Auditing and Compliance**

This slide highlights the importance of security auditing to ensure adherence to policies, standards, and regulations such as GDPR and HIPAA. It explains how regular audits improve an organization's security posture and demonstrate accountability.

### **Conclusion**

This slide summarizes the key takeaways of the presentation. It reinforces that effective web application security requires vulnerability management, secure development practices, strong authentication, continuous monitoring, and proactive incident response. The conclusion emphasizes the need for continuous investment in cybersecurity to maintain trust and resilience in a constantly evolving threat landscape.

### **Participation Details:**

- Number of Registrations: 34
- Number of Attendees: 62

### **Resource Person:-**

- T.Akshay (2<sup>nd</sup> year, CSE (CS))
- B.Abi Lashya (2<sup>nd</sup> year, CSE (CS))
- K.S.A Vaishnavi (2<sup>nd</sup> year, CSE (CS))



PRAGATI ENGINEERING COLLEGE  
(AUTONOMOUS)  
DEPARTMENT OF CSE (CYBERSECURITY)

---

Feedback Summary:

Feedback	Number of Persons
Excellent	25
Good	13
Average	0
Bad	0



**PRAGATI ENGINEERING COLLEGE  
(AUTONOMOUS)  
DEPARTMENT OF CSE (CYBERSECURITY)**

