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Sharnbasva

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ಕರ್ನಾಟಕ-ಭಾರತ
ಸ್ಥಾಪನೆ : 2017



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University

Kalaburagi-585 103
Karnataka-India
Estd.: 2017



Pooja Doddappa Appa
7th Mahadevacharya Peethashipati,
Sharnbasveshwar Samsthan
Founder, President, Sharnbasveshwar
Vidya Vardhaka Sangha



Matoshree Godutal
Doddappa Appa

FACULTY OF ENGINEERING AND TECHNOLOGY[CO-ED]

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Two-Day Workshop on Cyber Security Lab

Name of the Programme: Two-Day Workshop on Cyber Security Lab

Resource Person: Mahesh Vastrad -Founder & MD, Agamy Cyber Tech

Dates: 04 & 05 December 2025

Duration: 2 Days (12 Hours)

Session Timing: 10AM TO 1PM & 2PM TO 5PM

Batch: Final Year Undergraduate Students

Organizing Unit: Department of Computer Science & Engineering

Resource Organization: Agamy Cyber Tech

Venue: Cisco Lab

Objectives

- To provide hands-on exposure to cybersecurity tools and techniques.
- To enhance practical skills in ethical hacking, network security, and digital forensics.
- To familiarize students with real-time cyber-attack and defence scenarios.

Description of the Workshop

The Two-Day Workshop on Cyber Security Lab was conducted with a strong focus on **experiential learning and Outcome-Based Education (OBE)**. The sessions were handled by industry professionals from Agamy Cyber Tech, who guided students through structured lab experiments and real-time demonstrations. The program focused on experiential learning through structured laboratory sessions covering OSINT, vulnerability assessment, password security, web application security testing, digital forensics, network traffic analysis, and incident response aligned with industry practices.

Day-wise Session Details – Two-Day Workshop on Cyber Security Lab

Day & Date	Session Title	Topics Covered	Tools / Software Used	Learning Outcome
Day 1 04 December 2025	Introduction to Cyber Security & OSINT	Cyber threats overview, OSINT, foot printing, DNS and domain analysis	Whois, MX Toolbox, Wappalyzer	Students understood information gathering techniques and cyber threat landscape
Day 1 04 December 2025	Network Scanning & Vulnerability Assessment	Port scanning, service identification, vulnerability detection	Nmap	Students gained hands-on experience in identifying network vulnerabilities
Day 1 04 December 2025	Password Vulnerability Analysis	Password cracking methods, password security practices	John the Ripper	Students learned risks of weak passwords and importance of secure authentication
Day 2 05 December 2025	Web Application Security	SQL Injection attack and mitigation techniques	DVWA	Students understood common web vulnerabilities and secure coding practices
Day 2 05 December 2025	Network Traffic Analysis	Packet capture, protocol analysis, suspicious traffic detection	Wireshark	Students developed skills to analyse real-time network traffic
Day 2 05 December 2025	Digital Forensics & Incident Response	Evidence collection, disk analysis, incident response lifecycle	Autopsy, FTK Imager	Students gained exposure to forensic investigation and incident handling procedures

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Outcomes of the Workshop

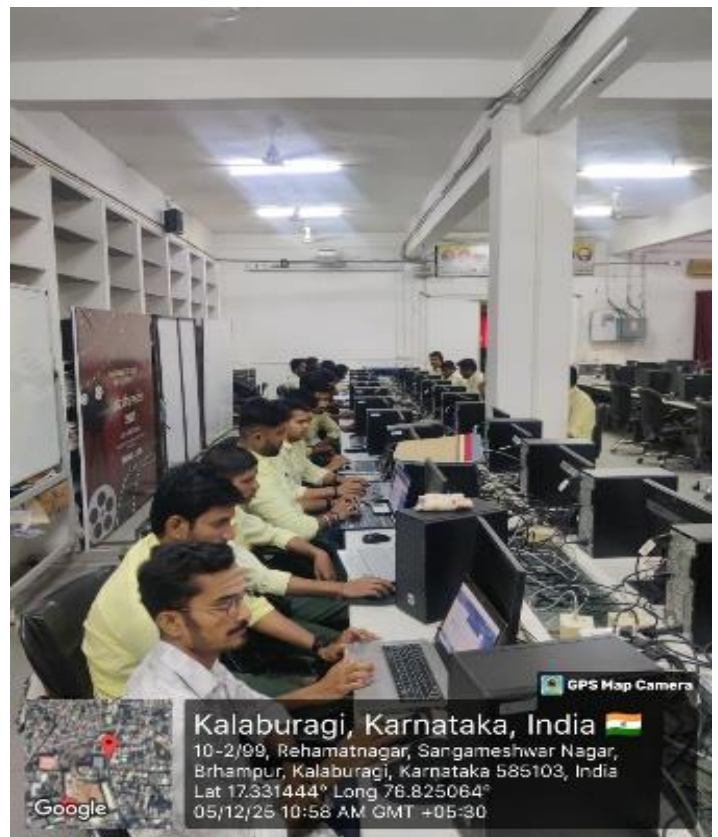
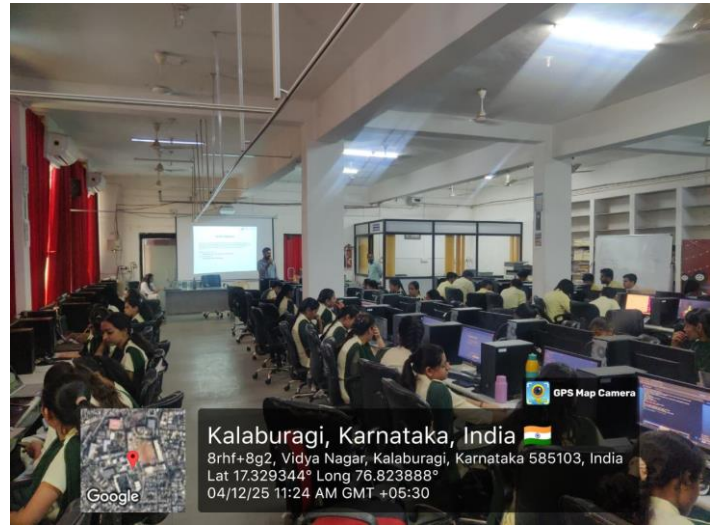
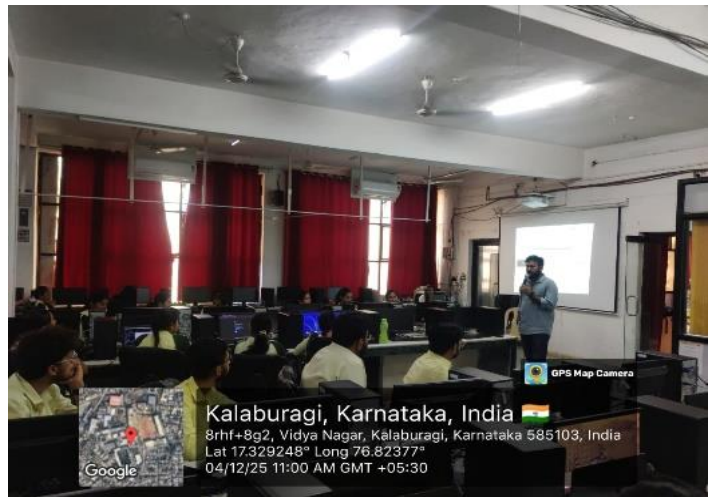
After completing the workshop, students were able to:

- Understand common cyber threats, vulnerabilities, and attack vectors.
- Apply cyber security tools for reconnaissance, scanning, and analysis.
- Perform basic digital forensic investigations and evidence handling.
- Analyse network traffic and identify suspicious activities.
- Demonstrate awareness of ethical and professional responsibilities in cyber security.

Conclusion

The Two-Day Workshop on Cyber Security Lab was highly beneficial for final year students. The hands-on approach, industry-oriented training, and exposure to real-world tools significantly enhanced students' technical competence and confidence. The workshop successfully met its objectives and added value to the academic curriculum by preparing students for careers in cyber security and related domains.

Session's Gallery





Vote of Thanks

By, Dr. Shivakumar Kagi

On behalf of the Department of Computer Science & Engineering, I take this opportunity to express my sincere gratitude to all those who contributed to the successful completion of the **Two-Day Workshop on Cyber Security Lab** conducted on **04 & 05 December 2025** for final year students.

I would like to extend my heartfelt thanks to our esteemed **resource person, Mr. Mahesh Vastrad from Agamy Cyber Tech**, for sharing his valuable expertise and practical insights in the field of cyber security. His hands-on sessions and real-time demonstrations were highly informative and extremely useful for our final year students.

I sincerely thank our management, Principal, for their constant support and encouragement in organizing this workshop.

I also extend my appreciation to all the faculty members and coordinators for their efforts in planning and executing the program smoothly.

Finally, I thank all the students who actively participated and successfully completed the workshop, making the event a grand success.

Once again, thank you one and all.

Thank you.

Centenary Celebrated Sharnbasveshwar Vidya Vardhaka Sangha's



Prof. Maheshwari Dr. Subhashini S. Appa
Professor, Sharnbasveshwar Vidya Vardhaka Sangha
Channarayana, Karnataka



Prof. Channarayana Subbanna Appa
Professor, Sharnbasveshwar Vidya Vardhaka Sangha
Channarayana, Karnataka



Prof. Dr. Sharnbasveshwar Appa
Professor, Sharnbasveshwar Vidya Vardhaka Sangha
Channarayana, Karnataka

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Channarayana, Karnataka



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Professor, Sharnbasveshwar Vidya Vardhaka Sangha
Channarayana, Karnataka

TWO DAY'S WORKSHOP ON CYBER SECURITY LAB

THREAT
DETECTION

DATA
PROTECTION

NETWORK
SECURITY

COMPLIANCE
AND RISK



RESOURCE PERSON
MAHESH VASTRAD
FOUNDER & MD- AGAMY CYBER TECH

ORGANIZED BY:
FACULTY OF ENGINEERING AND TECHNOLOGY[CO-ED]
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VENUE: CISCO LAB, SHARNBASVA UNIVERISTY

**DATE: 4TH & 5TH
DECEMBER 2025**

TIMING : 10AM TO 5PM

