
Report on Byte Battle Escape CTF {3.O} Organized by Cyber Awareness Club, Department of Computer Application, Integral University

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Communication Cell IUL <communications@iul.ac.in>

Fri, May 30, 2025 at 1:59 PM

Bcc: cafc@iul.ac.in

Brief Report on Byte Battle Escape

"Capture The Flag {3.O}"

Organized by
Cyber Awareness Club, Department of Computer Application, Integral
University, Lucknow

Event Overview:-

The Cyber Awareness Club, Department of Computer Application, Integral University, Lucknow, successfully organized **Byte Battle Escape CTF{3.O}** on **27th February 2025** at **Block-B CA Lab**. This event aimed to enhance cybersecurity awareness and foster technical skills among students.

As part of the initiative, students from Integral University visited various universities, including **Babu Banarasi Das University, Babasaheb Bhimrao Ambedkar University, Ram Swaroop Memorial University, Maharishi University, and Lucknow University**, to demonstrate Capture The Flag (CTF) techniques and engage in knowledge-sharing sessions.

Capture The Flag (CTF) is a platform where students tackle a variety of cybersecurity challenges, including **cryptography, web security, network exploitation, reverse engineering, and forensics**.

CTF Challenge Categories

The Capture The Flag (CTF) competition was structured around several core cybersecurity domains, offering hands-on experience in:

- **Cryptography:** Students decoded encrypted messages, cracked ciphers, and explored hashing techniques to secure and retrieve sensitive data.
- **Web Security:** Challenges involved identifying and exploiting web application vulnerabilities such as SQL injections, cross-site scripting (XSS), and authentication bypass techniques.
- **Network Exploitation:** Participants analyzed packet transmissions, intercepted network traffic, and performed reconnaissance techniques to understand security flaws in networking infrastructure.

- **Reverse Engineering:** Students engaged in dissecting compiled programs, debugging binary code, and reconstructing software logic to uncover hidden vulnerabilities.
 - **Forensics:** Teams worked on digital investigations, recovering deleted files, analyzing metadata, and tracing cybersecurity incidents using forensic tools.
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The competition witnessed active participation from students across multiple universities, creating an engaging and competitive learning environment. To recognize excellence, cash prizes were awarded:

- First Prize: ₹5000 INR
 - Second Prize: ₹3000 INR
 - Third Prize: ₹2000 INR
- Each winner also received a shield as a mark of achievement.

Additionally, the Department of Computer Application recognized the students who developed this project by presenting them with an appreciation letter. Special acknowledgement was given to Rahil Khan (Alumnus), Mohd Farhan, Sidra Siddiqui, and Elma Shariq for their exceptional contributions.

Further Learning & Exploration

To continue enhancing cybersecurity skills and preparing for future CTF events, students can explore additional educational resources and gameplay tutorials available on the event's official YouTube playlist: [CTF 3.0 Capture The Flag - YouTube](#)

The event was a resounding success, fostering an interest in cybersecurity while equipping students with the technical expertise needed to tackle real-world security challenges.

Winners



1st
Suraj Gupta, Vaibhav Kumar Tiwari
BCA 3rd Year



2nd
Swetabh Singh, Vishal Prashad Gupta
BCA 3rd Year



3rd
Syed Adeeb
BCA 2nd Year

"Byte Battle Escape CTF{3.0}—where knowledge meets competition, and cybersecurity champions rise!"

Mentor:

Prof. (Dr.) Mohammad Faisal, Head, Department of Computer Application,
Integral University, Lucknow

Faculty Co-ordinators:

Mr. Shubham Kumar, Assistant Professor

Mr. Faizan Mahmood, Assistant Professor

Dr. Virendra Singh, Assistant Professor

Student Co-ordinators:

Mohammad Farhan

Sidra Siddiqui

Elma Shariq

Md Sameer Ansari

Abid Alam

Khan Amaan

Areeba Khan

Anamta Ansari

Ansha Alvi

Arshi khan

Arsalan khan

Hemant Singh

Anwar Ahmad

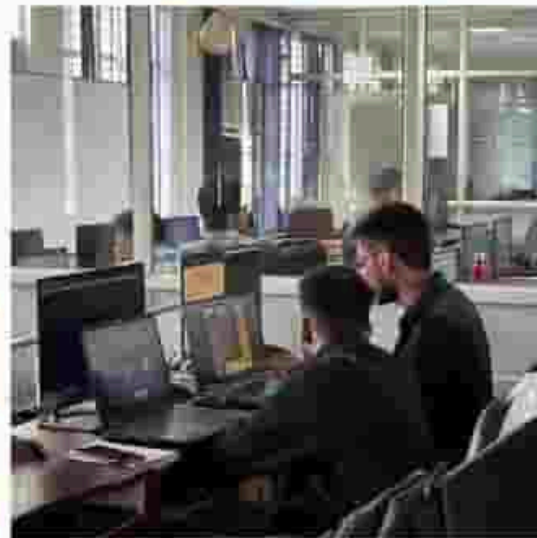
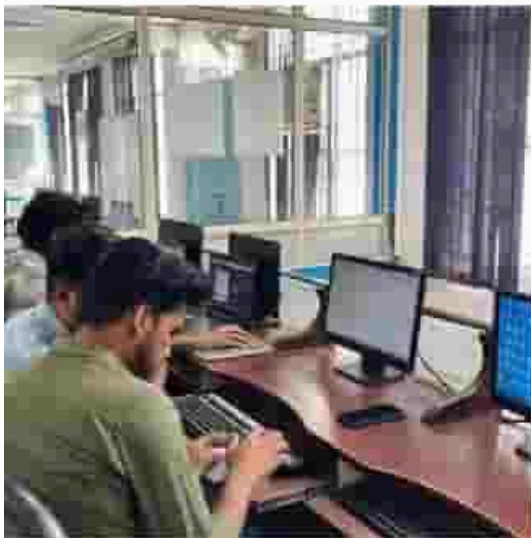
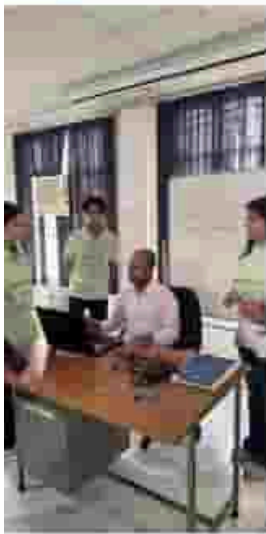
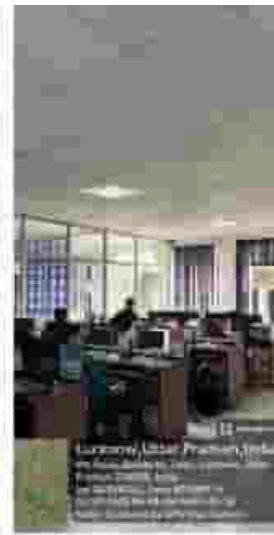
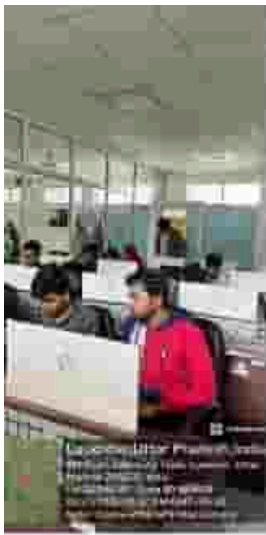
Yashi Gupta

Sadqa Faiyaz

Rehan Ahmed Ansari

Glimpses of the event :







Regards
 Dr. Mohammad Faisal
 Professor & Head
 Department of Computer Application
 Integral University, Lucknow
 Contact No: +919984171083