

# CODEQUEST

Vault Edition

DELEGATE BOOKLET

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# University Of Colombo School Of Computing



The University of Colombo School of Computing (UCSC) is Sri Lanka's premier institution for higher education in computing. Established in 2002 by merging the Institute of Computer Technology and the Department of Computer Science, UCSC has been at the forefront of nurturing future-ready computing professionals.

The late Professor Emeritus V.K Samaranayake took the initiative to establish a major goal of preparing students for careers in information and communication technology as computing professionals. As Sri Lanka's first institution for higher learning in computing, it has led the sector of computing higher education in the country for the past twenty-three years.

The students of UCSC are offered undergraduate programs in Computer Science (CS) or Information Systems (IS) with three-year and four-year degree programs. Moreover, the Postgraduate Masters Programme offered by UCSC consists of Master of Computer Science (MCS), Master of Information Technology (MIT), and Master of Science in Information Security (MIS). In addition, UCSC provides MPhil and PhD research programs.

# IEEE Student Branch Of UCSC

The IEEE Student Branch of the University of Colombo School of Computing (UCSC), established in 2011, has been a vibrant platform for fostering professional growth and technological innovation among students. With representation from all four undergraduate cohorts, the branch actively organizes events and initiatives that enhance both technical and soft skills, including leadership, teamwork, and communication.

The branch is committed to leveraging technological advancements for societal benefit, empowering students to excel as professionals in the tech industry. Through its diverse range of activities, the IEEE Student Branch of UCSC continues to inspire the next generation of innovators and problem-solvers.



# CODEQUEST

## Vault Edition

"CodeQuest: Vault Edition" is an exciting new Capture the Flag (CTF) hackathon organized by the IEEE Student Branch of the University of Colombo School of Computing (UCSC). Launching this year, this innovative competition is designed to challenge participants in cybersecurity, programming, and problem-solving through a series of engaging and real-world-inspired tasks.

As a fresh initiative by the IEEE Student Branch, CodeQuest aims to create a unique platform for students and tech enthusiasts to showcase their skills, collaborate with peers, and tackle modern cybersecurity challenges in a competitive yet supportive environment. This inaugural event is set to become a landmark tradition, inspiring innovation and excellence in the tech community for years to come.

# Why Should You Participate?

## Promote Cybersecurity

CodeQuest: Vault Edition is designed to ignite participants' passion for cybersecurity. The event challenges you to tackle complex coding problems and sharpen your problem-solving abilities in an exciting environment.

## Showcase Your Skills

CodeQuest: Vault Edition provides a unique platform to showcase your programming prowess. By taking on challenging tasks within set time limits, you can demonstrate your abilities to peers and potential employers, gaining recognition and increasing your chances for career opportunities.

## Foster Collaboration and Teamwork

CodeQuest: Vault Edition encourages participants to work in teams. This collaborative approach not only enhances your technical skills but also helps you develop essential teamwork and communication abilities, which are vital for success in the tech industry.

**Engage with the tech community and build a network that will support your journey in the tech industry.**

**Engage in real-world coding challenges to gain hands-on experience and better understand the demands of the cybersecurity field.**

# CodeQuest: Vault Edition Timeline

- ▶ 30th March 2025 • Registration for workshops
- ▶ 11th April 2025 • Workshop 01 - Awareness session
- ▶ 20th April 2025 • Workshop 02 - Tools Deep Dive
- ▶ 21st April 2025 • Registrations open for CTF
- ▶ 04th May 2025 • Initial Round
- ▶ 09th May 2025 • Awareness session - Final Round
- ▶ 10th May 2025 • Final Round



# Registration Guidelines

**Each team must consist of 3-4 members.**

**A team should have a team name and a team leader assigned.**

**Only the team leaders should fill out the registration form and the required details of the team members.**

**All participants must be undergraduates and a team should contain members from the same university.**

**Each Participant can only represent one team.**

**Participants are not allowed to change teams after registration.**



# Competition Structure

- CodeQuest: Vault Edition is an exhilarating hackathon organized by the IEEE Student Branch of the University of Colombo School of Computing. CodeQuest: Vault Edition consists of two rounds: an initial round and the final round.
- The final round will be an intense 8-hour physical CTF session, where the top participants from the initial round will compete in person to showcase their skills and secure their position as the ultimate champions. This in-person event provides an opportunity for participants to interact, collaborate, and compete in a dynamic and engaging environment.

# Initial Round

The initial round of Code Quest: Vault Edition serves as the qualifying stage where all registered teams will compete. Participants will engage in a timed online CTF on 4th May 2025, where they will face a series of cybersecurity challenges designed to test their problem-solving skills, cryptographic expertise, and ethical hacking abilities. At the conclusion of this round, the top-performing teams will be selected to advance to the final round. In the event of a tie, factors such as time to completion and challenge difficulty will be used as tiebreakers.

# Final Round








The final round of Code Quest: Vault Edition will be an intense, high-stakes 8-hour physical CTF session on 10th May 2025. The top teams from the initial round will compete in a real-world cybersecurity battleground, solving advanced security challenges that demand technical expertise, teamwork, and strategic thinking. With limited time and increasing difficulty, participants must navigate through complex vulnerabilities to secure the highest score. The team that demonstrates exceptional skill and resilience will be crowned the ultimate Code Quest: Vault Edition champions.

# Competition Details

- ((•)) The competition uses dynamic scoring for all challenges.**
- ((•)) The flag format is “codequest{this\_is\_a\_dummy\_flag}” unless otherwise stated in the challenge description.**
- ((•)) There will be challenges for both Windows and Linux platforms, thus we advise you to be prepared for both platforms.**
- ((•)) Challenges will be from Cryptography, Reverse Engineering, Web, PWN and Forensics categories.**
- ((•)) Any questions during the competition can be asked through the WhatsApp group linked below.**

**<https://chat.whatsapp.com/HeMwoFJbAFbFP3hDUeD6Ty>**

# Competition Rules

-  **Attacks against the scoreboard or other infrastructure are forbidden.**
-  **Sharing flags or solutions between teams or the public during the event is forbidden.**
-  **Attacking event infrastructure (DoS/DDoS) is strictly prohibited.**
-  **Brute-forcing flags on the event website are prohibited.**
-  **Automated fuzzing tools (e.g. dirbuster) are not allowed for any challenges.**
-  **Cross-team collaboration is not allowed. Do not discuss challenges with members from other teams.**
-  **Do not interfere with other teams by attacking their machines or other undesignated targets.**

**Any violation of the rules will result in immediate disqualification of the Team. The organizers reserve the right to disqualify teams if they are suspected of breaking the rules.**



# Contact Us



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# THANK YOU

**CODEQUEST**  
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