



TN POLICE HACKATHON 2025



HOSTED BY

CYBER CRIME WING, CHENNAI

A CYBER HACKATHON OPEN TO ALL ON

17th Dec 2025

Problem Statement

TOR – Unveil : Peel the Onion

Registration starts from Nov 5, 2025

For registration

<https://bit.ly/TNPOLHACKATHON2025>

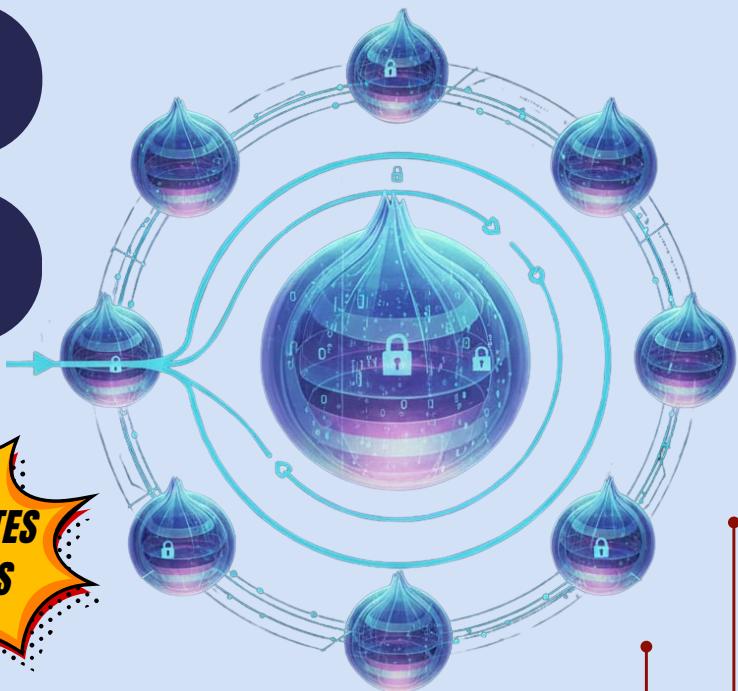
Problem Statement

<https://bit.ly/TNPOLCCWHACKATHON2025>



Rs.3 LAKHS

**MEMENTOS & CERTIFICATES
FOR FIRST 10 FINALISTS**



LAST DATE FOR ABSTRACT SUBMISSION NOV 23, 2025



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INTRODUCTION

The Tamil Nadu Police proudly presents the Tamil Nadu Police Hackathon–2025, an innovative platform that brings together bright minds and creative thinkers to solve real-world policing challenges through technology and collaboration. This hackathon event is open to all – students, professionals, startups, and innovators. Participants will work on the given problem statement and applying their logical thinking, coding expertise, and creativity to develop cutting-edge technological solutions that address this critical policing challenge. By fostering collaboration between the police and the public, the Tamil Nadu Police Hackathon–2025 aims to promote innovation, civic engagement, and partnership in building a safer, smarter, and more secure society.



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Shortlisting of Teams

Teams interested in participating in the Tamil Nadu Police Hackathon must submit an abstract outlining their proposed solution. The scrutinization of teams will be based upon the working prototype and feasibility to reach the final outcome.

THE ABSTRACT SHOULD CONSIST OF THE FOLLOWING

1. PROOF OF CONCEPT
2. METHODOLOGY
3. INNOVATION
4. FEASIBILITY OF SOLUTION
5. WORKING PROTOTYPE

Upload the abstract in your Google drive and share the link in Registration form

The results of the selected abstracts will be intimated through email by 27th Nov, 2025.



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LEVEL - 2

PROJECT DEMO & PRESENTATION

The selected teams should present their ideas before a panel of judges at the Grand Finale. The details of the presentation will be shared separately to the teams.

The Teams should present

1. Proof of Concept
2. Design And Methodology Adopted
3. Software Used
4. Demonstration of their Working Model

- Each team will be given a 15 minutes slot for presentation.
- The presentation shall be evaluated on the basis of suitability to Police requirements, Technical Innovation, Design robustness and UI.
- Selected Teams participants have to make their own arrangements for travel.
- Jury's Decision is final.



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Problem Statement

TOR – Unveil : Peel the Onion

Develop an analytical system to trace TOR network users by correlating activity patterns and TOR node data to identify the probable origin IPs behind TOR-based traffic (email, browsing, etc.,)

Functional Requirements

1. TOR Data Collection:

- Automated extraction of TOR relay and node details

2. Node Correlation:

- Time-based matching of entry and exit nodes to analyse traffic flow

3. Entry Node Identification:

- Accuracy improvement with each new exit node identified

4. Visualization:

- Network path mapping, time line reconstruction, and confidence scoring



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5. Forensic Support:

- Integration of PCAP/network logs for real-time correlation

6. Entry/Guard Node Identification:

- Reliable pin pointing of entry nodes

Expected Outcome:

Working Prototype demonstrating with:

1. Automated TOR topology mapping and node correlation
2. Visualization dashboard with origin identification and confidence metrics
3. Exportable forensic report with traced node data and activity flow