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- **Problem Statement ID -**1745
- **Problem Statement Title -** De-anonymizing of entities on the onion sites operating on TOR Network
- **Theme -** Blockchain & Cybersecurity
- **PS Category -** Software
- **Team ID -** 23538
- **Team Name (Registered on portal) -** TECH GUARDIANS-INNOV

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Decrypting Anonymity Protocol

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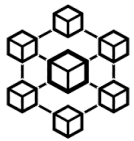
Proposed Solution

- Volunteer entry nodes - Immediate oversight.
- Privileged details - Exploit code insertion through Cyber trap
- Ledger entries - Blockchain Explorers and Chain analysis

Unique Value Proposition

- Functions in a cutting edge style
- Holistic Environment
- Coordinates with government



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TECHNICAL APPROACH

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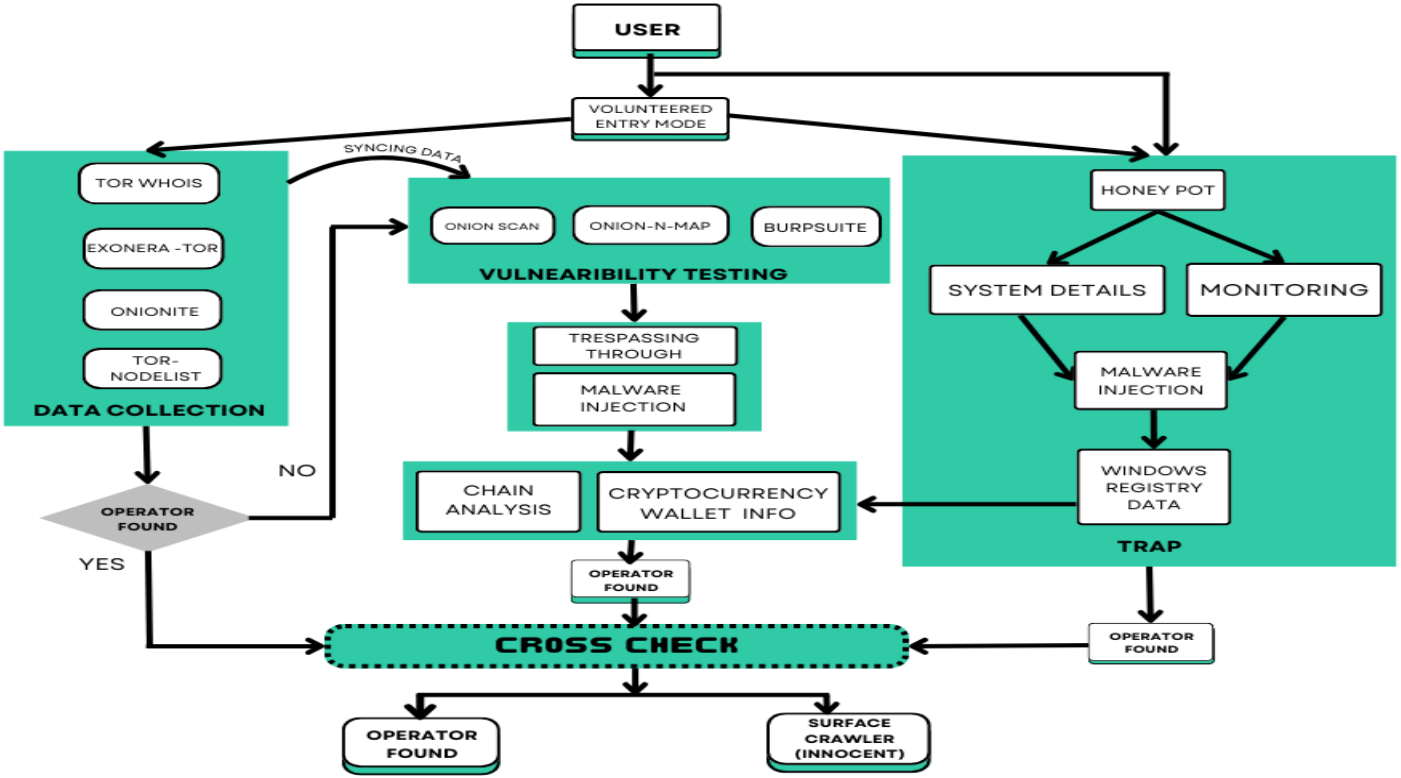

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FEASIBLITY AND VIABLITY

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Feasibility

- Technical feasibility - cooperation of many tools and approaches.
- Blockchain Explorers - tracking and transfer of cryptocurrency.

Viability

- Automated Error Checking
- Technical Failures
- Data Misinterpretation
- Data Misidentification

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IMPACT AND BENEFITS

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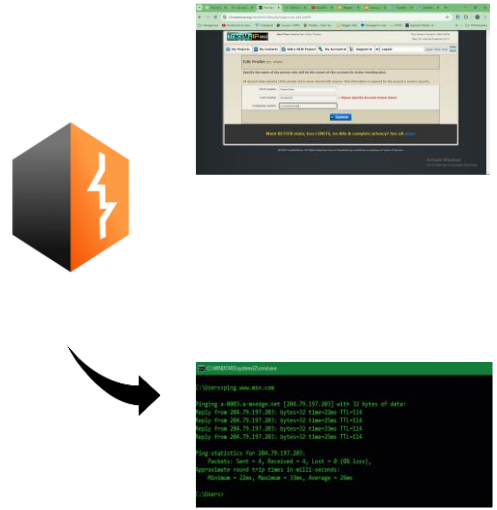
Impact & Benefits

- The workload of the cybercrime units is reduce
- The process of gathering more proof to support successful legal actions.
- Reducing cyber threats and promoting safer online environment.



LINK: https://drive.google.com/drive/folders/1wxtqJfOyRowmwoLYDPkcJR6mCShOGG4_?usp=sharing

Details / Links of the reference and research work

- https://github.com/dms-codes/ipvoid-com-find-ip
- https://www.eisneramper.com/insights/blogs/cryptocurrency-blog/
- https://check.torproject.org/torbulkexitlist
- https://hackertarget.com/tor-exit-node-visualization
- https://github.com/danieleperera/OnionIngestor
- https://github.com/DedSecInside/TorBot
- https://github.com/k4m4/onioff
- https://onionscan.org/
- https://github.com/danieleperera/OnionIngestor