

# HAC'KP

Demystifying the Dark Web

INTERNATIONAL ONLINE HACKATHON



INITIATIVE BY KERALA POLICE

## ■ **Hac'KP 2021**

Kerala Police Cyberdome is proud to announce the 5th International Cyber Security Hackathon scheduled to be conducted in June 2021. Hac'KP comes with the objective of being a community-based initiative of highly motivated personnel working with a goal to build a single application. Hac'KP brings together talents who are well-rounded professionals able to create essential tools and unique solutions with technology that helps to detect more cybercrime threats and protect society and organizations more effectively. This edition will focus on building a robust solution based on the current requirements of our Police in fighting crimes inside Darknet.

Hac'KP 2021 Virtual Hackathon was conceptualized by a group of esteemed representatives from regulatory & law enforcement. The Hackathon is hosted by the Kerala Police as a platform for law and order establishments to join hands with socially responsible individuals to design and build innovative digital solutions for effective policing and to ensure civil safety.

## **THE COMPETITION**

This edition of the hackathon is not just a competition with multiple goals but will rather be a community-based initiative of highly motivated personnel working with a goal to build a single application. Our focus will be to hand pick individuals who has a will to work with us in building a robust solution based on the current requirements of our Police in fighting crimes inside Darknet. Our skilled mentors will provide them adequate directions and support to equip them with knowledge, resources, opportunities and conflict management.



# Hac'KP 2021

#demystifying\_the\_darkweb

Today's cybercrime attacks are now powered by supercomputers, AI and algorithms, which means attacks are constant and come at you in volumes that are unrealistic to cybersecurity solutions. Our aim is to produce solutions with outstanding technical force to fight back even the last bit of their presence. Here is a point in time, where we are faced with more challenges and obstacles than any other. Each and every action we take today in the cyber world - knowingly or unknowingly is recorded or is being monitored. The so-called "visible" Internet is just the tip of the iceberg. The mysteriously deep dark web is a treasure chest waiting to be unraveled! Hac'KP will be a platform for those who think they got that unique quality and power to drain deep down into and demystify the darker sides of the internet.

## Kerala Police Cyberdome – The Vision

Cyberdome is a Centre of Excellence of Kerala Police to meet long term security challenges in the digital arena of modern world by bridging the gap between the latest changes and innovations in the cyberspace and skill set development of Kerala Police in combating the emerging cyber threats, and a collaboration Centre for both public and private fraternity to converge and share the information as well as resources that will escalate the safety of our cyberspace.

*The vision of Cyberdome is "To establish a professional understanding and thereby carrying out skill development initiatives, impart knowledge about digital space, develop cyber defense skills and expertise which in-turn will protect citizens, businesses, critical infrastructures of the state, and e-governance services by establishing a collaborative platform for cybersecurity to prevent, combat, investigate and mitigate cyber-crimes in a proactive manner, which in turn will provide secure cyberspace to society."*

*" To create a platform which brings together Government Departments, Law Enforcement Agencies, Industry, Academia, International Organizations and Experts from Public Domain for collaborating on Cyber Security to enhance the capabilities of the State in dealing with cyber threats as well as to provide security to the Digital Assets of the State."*

# THE CYBERDOME COMMUNITY

In order to address the highly challenging and dynamic nature of cyber threats, apart from the Government stakeholders, the Centre is also working hand in hand with industrial fraternity in the public-private partnership model for equipping the Kerala Police by adapting the latest technologies of a rapidly changing environment. The Industry and the software companies are providing their technical expertise and capabilities to assist the police in various fields of cyber security and technological augmentation for effective policing such as developing new software, providing technical assistance, sharing their resources, giving extensive training and knowledge sharing sessions, awareness creation, contributing to the research and adding development activities in the pertinent domains, and being a host to other areas as well.

Cyberdome is also the first Law Enforcement Agency in India certified with Information security management system ISO 27001:2013.

Cyberdome has been the recipient of several national and international awards including INTERPOL Special Award for Outstanding Leadership in Protecting Children, Digital India Knowledge Exchange Summit Awards 2016, FICCI Smart Policing Award 2018, SKOCH SILVER AWARD 2018 for Smart policing, Digital Transformation Award, CISO MAG AWARD 2019, Elets India- Award of Excellence 2020 and DSCI Excellence awards 2020.

## Last Edition Highlights



## HacKP 2021 Schedule



# PROBLEM STATEMENTS

## **Advanced Darknet Search Engine for LEA**

Create an advanced Darknet search engine for LEA (Law Enforcement Agencies) with the capability to crawl and collect information from Darknet marketplaces, websites, chatrooms etc. which is capable of predicting suspicious events, search for a specific keyword, filter results to reflect only relevant information etc.

## **Intelligent Darknet Monitoring**

Inviting solutions to create an intelligent darknet monitoring system to monitor, identify, and profile threats from dark web sources which trigger alerts on predefined tags, checks for compromised account credentials, stolen personal information, financial data, and other exposed databases etc.

## **Dissecting Darkweb**

The anonymous nature of dark web sites would always be a challenge for law enforcement agencies. We invite tech savvy minds to create a network traffic monitor that can identify traffic from the Tor network and uncover new cybercriminal tactics and tools used to automate attacks and test for weaknesses.

# Prize

This year Hac'KP is more than just a competition and its much more than just laurels. Winners and Top Performers will be awarded with prize worth lakhs and many other goodies.



## Correspondence

We also want to ensure we can meet the needs of our partners when it comes to accessibility in general. Feel free to reach out to us for questions and suggestions regarding Hac'KP 2021

Mail us at [partners@hackp.kerala.gov.in](mailto:partners@hackp.kerala.gov.in)



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# HIGHLIGHTS


OF LAST EDITIONS





## IMPORTANT LINKS


 <https://hackp.kerala.gov.in/>

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