



दूरसंचार विभाग
DEPARTMENT OF
TELECOMMUNICATIONS



गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS



विमर्श 2023

VIMARSH

5G HACKATHON





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Objective:

The main goal of this Hackathon is to bring together experts, innovators, and stakeholders to drive progress in the field of Products/ Solution/ applications in the realm of law enforcement using 5G technology

Eligibility:

The event is open to the following who may participate as teams, startups, etc. and may work as a team on solutions and present use cases for the 5G products / solutions.

- Technological hubs - R&D institutions, MSMEs, startups, and Academia (Professors, Research scholars with students from IITs, IIITs, NITs and other premier institutes & on being shortlisted either collaborate with existing start-up / MSME or open a Pvt Ltd company to take product to market)
- Startups, R&D Institutions & Academia owned and controlled by Resident Indian Citizens, academic institutions in India
- Employees of the Bureau of Police Research & Development (BPR&D) & TCoE India / DoT are not eligible

Who Can Apply-

Startup/MSME

Academic
Institutions

R&D
Institutions

PSUs

Collaboration



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Problem Statement

S.NO.	Problem Statement	Tagline
1.	Develop a robust framework to get Real time location of mobile users with Internal authentication App (permissions)	Instant Location Search
2.	3D Capturing (AR/VR/XR) of crime scenes using 5G enabled devices also used for capacity building & operations	3D Capturing in 5G Era
3.	App/framework for integration of surveillance wearables gadgets using IoTs and subsequent analysis & analytics using AI/ ML	Surveillance 360°
4.	Intelligent Traffic management- 5G enabled AI cameras crime scene management including 3D(AR/VR)	5G Enabled Traffic Management
5.	Develop a Data analytic using 5G Metadata for predictive policing, HoT spot detection, crime mapping, geo fencing	Predictive Policing
6.	APP for Emergency response vehicle (incl. fire dept vehicles) embedded with 5G CPEs for Critical voice / Video / Data communications	Instant Response App / Smart Response App
7.	APP for 5G enabled Drones (control and data) for surveillance, security and safety	5G in Drones
8.	Create Software routing security framework for private network for 5G communication network	Security for 5G
9.	Develop an App to give assistance to LEAs in investigation, evidence collection, drafting of charge sheets	A.I /M.L based app to guide IO's

Award:

- ✓ Winners will be awarded @Rs. 1,50,000/- each
- ✓ Support of INR 2,50,000 provided to the winners for productization
- ✓ Free space at India Mobile Congress (IMC) 2024 to showcase products or solution
- ✓ Shortlisted entities will receive boarding and lodging allowances to test and validate their PoC (Proof of Concept) at 5G Test Bed Sites

Last date of online Application - 24:00 Hrs, 09th December, 2023

For more details: <https://vimarsh.tcoe.in/>

Apply