



Shri Narendra Modi
Hon'ble Prime Minister of India

IDEA ONE: National One-Health Hackathon

An Initiative under the
National One Health Mission



भारत सरकार
GOVERNMENT
OF INDIA

About the Hackathon

The IDEA-ONE Hackathon is aimed at inspiring innovation and collaboration among youth across India. It invites tech-driven and community focused innovations that will strengthen India's One Health Mission.

Why a One Health Hackathon?

Participants will work in multidisciplinary teams to explore the interconnectedness of human, animal, and environmental health, aligned with India's National One Health Mission to contribute towards building a healthy and resilient future.

Who can participate ?

This event invites students, researchers, and early-career professionals from diverse disciplines to collaboratively develop solutions addressing pressing challenges in One Health.

Things to remember

- The team should be multi-disciplinary
- Use diverse skills to collaboratively create a practical and workable prototype addressing One Health challenges.
- Teams can consist of a maximum of six members, including a faculty mentor

Total Prize Pool of
Rs 3 Lakhs for all Phases

Timeline of the Hackathon

October 11
2025



Registration
Opens

October 25
2025



Registration
Closes

October 27
2025



Announcement
of Results for
Region wise
Presentation

November 3
2025



Region wise
Presentation

November 20
2025



Grand Finale

Themes

Theme 1	Zoonotic Disease Detection & Surveillance	Examples	- Mobile/web tools for early detection and reporting of zoonotic outbreaks from CHCs and veterinary centers. - Low-cost diagnostic tool prototypes for Brucellosis or Leptospirosis.
Theme 2	Integrated Health Data Platforms	Examples	- Dashboard integrating veterinary, human health, and environmental surveillance data at district level - Voice-enabled reporting system for rural health workers
Theme 3	Environmental Risk Monitoring (Environmental Health/Environment Health)	Examples	- GIS-enabled application overlaying animal movement, deforestation, water contamination, and disease clusters. - IoT-based environmental sampler for real-time air or water quality data.
Theme 4	Antimicrobial Resistance (AMR) Tracking	Examples	- Prototype system to monitor antimicrobial usage in animal husbandry and alert for overuse patterns - Citizen-facing AMR awareness chatbot for rational use of antibiotics.
Theme 5	Climate Change & Health Early Warning Systems	Examples	- Mobile tool integrating IMD/ICAR data with health records to forecast likely disease outbreaks. - Alert system for high-risk periods for vector-borne diseases due to climate variability.
Theme 6	Digital Tools for One Health Education & Awareness	Examples	- Multilingual gamified learning app for school children explaining One Health principles. - Interactive AI-driven storytelling app raising awareness about human-animal-environment interdependence.
Theme 7	Animal Health and Livestock Monitoring	Examples	- Animal health card system linked to vaccination and disease data using QR/NFC tags. - Prototype for wearable devices to monitor livestock vitals and alert in case of abnormal patterns.
Theme 8	Waste Management and Water Quality Monitoring	Examples	- Community-based digital solution to report biomedical and animal waste mismanagement. - Mobile-based test and reporting kit interface for water contamination in areas near abattoirs.
Theme 9	Rural and Tribal One Health Interventions	Examples	- Digital triage system for rural/tribal health workers to identify One Health-related symptoms in communities. - Decision support tool for frontline workers integrating AYUSH, allopathy, and veterinary protocols.
Theme 10	Cross-sectoral Emergency Preparedness Systems	Examples	- Real-time simulation tool for disaster drills integrating health, veterinary, and forest departments. - Mobile app for joint outbreak investigations and communication between CHCs, veterinary units, and local admin.
Theme 11	Biosafety & Biosecurity	Examples	- Real-time alerting system for biosafety breaches in laboratories handling zoonotic pathogens. - Learning module for biosafety levels and PPE use for multi-sectoral health workforce using AR/VR.
Theme 12	Other innovations related to One Health Mission	Examples	Any other innovations left to your imagination which can address the one-health mission.

Scan the QR code
for registration



For more details, Visit <https://ideanehackathon.org/>



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