



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

Idea-ONE Hackathon Webinar

Tuesday, 28 October | 15:30 – 16:15 IST

Video call link:

<https://meet.google.com/vaz-aebd-exq>

Total Prize Pool of **Rs 3 Lakhs** for all Phases

Timeline of the Hackathon

11th October
2025



Registration
Opens

28th October
2025



Virtual Webinar

30th October
2025



Registration
Closes

1st November
2025



Announcement
of Results for
Region wise
Presentation

3rd November
2025



Region wise
Presentation

6th November
2025



Region wise
competition
Results
announced on
website

20th November
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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