

# Management Development Programme on Digital Disease Surveillance for Health Systems

 February 7- 9, 2025



## Background

Disease surveillance is a key function of health systems management as there is a perennial threat and rapid rise of several communicable, non communicable diseases and new emerging threats to health systems. Public health surveillance (PHS), as a tool for monitoring diseases, identifying anomalies in data and targeting interventions, is described as the ongoing systematic collection, analysis, and interpretation of data, tightly integrated with the timely dissemination of these data to those who can undertake effective prevention and control activities. With the availability of digital and internet technologies, which is now part of every one's life, PHS is changing, expanding and becoming more granular with hyper local meta data. In addition to existing sources of information, every minute, people around the world are directly, publicly sharing volumes of personal and communal health information on different digital platforms, such as social media, discussion forums and blogs, and Internet search engines. In addition there are an expanding array of new sensors, new analytical tools and new visualization techniques leading wider opportunities that is supercharging the PHS ecosystem.

The interactivity of the Internet and the highly networked, hyperlocal, and contextualized nature of digital data offer an unparalleled opportunity for health care stakeholders to address health care challenges as they emerge in real time or as rapidly as possible. Surveillance platforms of today can also be potentially expanded to profile service criticisms, mining patient's narratives about disease and treatment experiences on open-access forums, geospatial tracking of the population during disease outbreaks, providing local and near real-time information to recognition of an outbreak and population-based clustering of behavioural risk factors to intervene actively in real time or as rapidly as possible.

The 3 day program on "**Digital Disease Surveillance for Health Systems**" is designed to expand, elevate the understanding of disease surveillance thru the digital vision, data in context, mining for real time analytics, network effects, making health systems more strategically prepared and responsive to emergencies.

## Objective

Enhance understanding of digital disease surveillance for proactive health threat management.

Highlight Public Health Surveillance (PHS) for real-time monitoring and targeted health interventions.

Showcase the impact of digital technologies on hyperlocal disease data collection and analysis.

Outline program objectives on digital surveillance, ecosystem understanding, and emergency response applications.

## Content

Over a period of 3 days the program will focus on:



Key surveillance indicators, data flow pathway, tracing, models, analog and digital system architecture



Understanding digitally enhanced internet ecosystem, networks, loops for disease and data surveillance



Efficient and effective digital follow on's of surveillance thru Intelligence, Investigation and Interventions for specific situations like outbreaks, disaster management, climate change, epidemics, pandemics...and other health system emergencies.



## Pedagogy

The Programme offers a multifaceted learning experience through lectures, group discussions, case studies and hands on experiential learning. The participants are immersed in a dynamic learning environment designed to foster theoretical understanding, actionable real life insights, and service ready skills.

## Who should attend?

The programme is designed for managers and leaders who are interested or are in the process of implementing digital transformation in their organisations. Mid to senior level managers and entrepreneurs who aspire to drive digital transformation through innovation and disruption will find this programme useful. Participants may be digital head, head of functional or business units, and HR or strategy head from all industries.

## Program Coordinator



**Dr. Suresh Munuswamy**  
Dean and Professor,  
School of Digital Health  
IIHMR University, Jaipur

The programme will be offered by a team of national and international subject experts.



## Nominations/Registration

Please send your nominations/registrations to the following address:

Programme Officer (Training)  
IIHMR University  
1, Prabhu Dayal Marg, Sanganer Airport,  
Jaipur-302029, Rajasthan, India

## Duration and Venue

The programme will start on Friday, February 7, 2025, and will conclude on Sunday, February 9, 2025. The programme will be held at IIHMR University, 1, Prabhu Dayal Marg, Sanganer Airport, Jaipur – 302 029. The University campus provides a learning environment for the participants, who are welcome to use the library and recreational facilities at the campus.

## Certificate

A certificate of participation on completion of the programme will be issued by IIHMR University, Jaipur.

## Programme fee

The programme fee for Indian participants is Rs. 24,750 plus GST (18% as applicable), and for international participants it is USD 462 plus GST (18% as applicable). The programme fee covers tuition, background reading material, lodging, and boarding.

## Discounts on Fee

- Early Bird Discount:** Nominations received with payments before four weeks will be entitled to a 10% early bird discount.
- Group Discount: Any organization sponsoring four or more participants to the programme will be entitled to a 20% discount on the total fee payable, provided that at least four participants attend the programme.**
- Maximum Discount:** Organizations can avail themselves of both the discounts subject to a maximum discount of 20%.



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