

Management Development Programme

Strategic Use of Drones for Health Care and Disaster Management



January 31 - February 2, 2025



Background

A robust healthcare system must ensure universal access, affordability, accountability, quality care and attention to vulnerable groups. Timely delivery of medical supplies is crucial for effective healthcare delivery. However, challenges such as difficult terrain, poor transportation infrastructure, limited cellular network coverage and adverse environmental conditions often lead to delays in the supply chain, potentially compromising the quality of healthcare deliveries. Unmanned aerial vehicles (UAVs), commonly known as drones, have emerged as a promising technology to enhance healthcare logistics and transportation. With proven success in various sectors such as military operations, agriculture and food distribution, drones may offer a transformative solution for healthcare delivery.

Various countries have tested the competence of drones to transfer medical supplies such as diagnostic samples (tissues, urine and blood), medicines, blood packages, vaccines etc.

Drones are now accepted and sought after for their rapid, cost-effective and safe delivery of medical supplies even to hard-to-reach and tuff terrains compared to other air transportation systems.

Along with health care services, drones are used for disaster management also. Drones have proven their outstanding strength when assessing damage to facilities, houses, fields, and the likes after storms, floods and other disasters. Drones also provide concrete and clear evidence immediately after the assessment. Drones could also identify access points, survey temporary shelters and evacuation points. Drones can also help with crowd monitoring, network, communication support, fire, smoke detection, spread pattern, chemical and radiation detection, crime scene and accident reconstruction, conservation of wild animals, as remote park rangers, weapon and threat detection and active deployment materials for rescue if necessary.

Contents

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



The overview of the technical details of drones, the compotents, operational, personnel requirements, standard operating protocols, license requirements, identification of taking off and landing sites, operational clearances, and virtual demonstrations of the process.



Overview of the requirements from the health system and disaster management perspective including carrier box requirements, operational paremeters of the health care services, personnel training requirements, process documentation, appropriate sensors for disaster management applications and data post processing models for further insights.



Government of India rules and regulations for drone operations and drone certifications.

Teaching Pedagogy

The 3-day Management Development Programme offers a multifaceted learning experience through lectures, group discussions, case studies, hands on data led analytical and 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 is Right for the Programme?

The programme is designed for mid to senior managers, leaders of government and non governmental health systems, personnel in the state disaster response forces, digital health entrepreneurs interested in mobility and supply chain solutions, and health care e commerce organizations who are interested or are in the process of implementing drone based deliveries.

Public health stakeholders from the government, non- governmental organizations, health analysts from consulting organizations, technology experts working in digital health, health care policy makers at local, district, state and national level who need to undersand and

design supply chain options for accelerated and emergency services will also benefit immensely. By attracting people from these diverse roles, our programme fosters a rich exchange of perspectives and experiences, enriching the learning journey and maximizing its impact on participants and their organizations.

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.

Programme Dates




The program is scheduled from Friday, January 31 to Sunday, February 2, 2025.



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

 +91-141-3924700
 training@iihmr.edu.in
 +91 9358790012

Certification

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



Venue

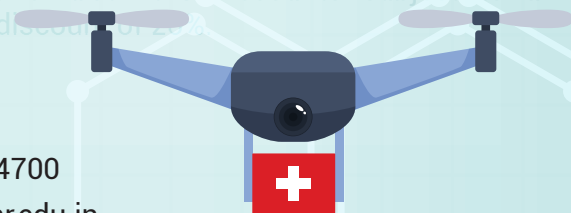
The programme will be organized at IIHMR University, 1, Prabhu Dayal Marg, Near Sanganer Airport, Jaipur – 302 029, Rajasthan. The University campus provides a learning environment for the participants, who are welcome to use the library and recreational facilities at the campus.

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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