MANAGEMENT DEVELOPMENT PROGRAM
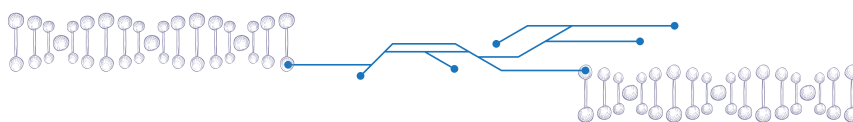
DIGITAL TRANSFORMATION IN HEALTHCARE SYSTEMS: AN IMPLEMENTATION PRIMER

5th - 7th JUNE 2025

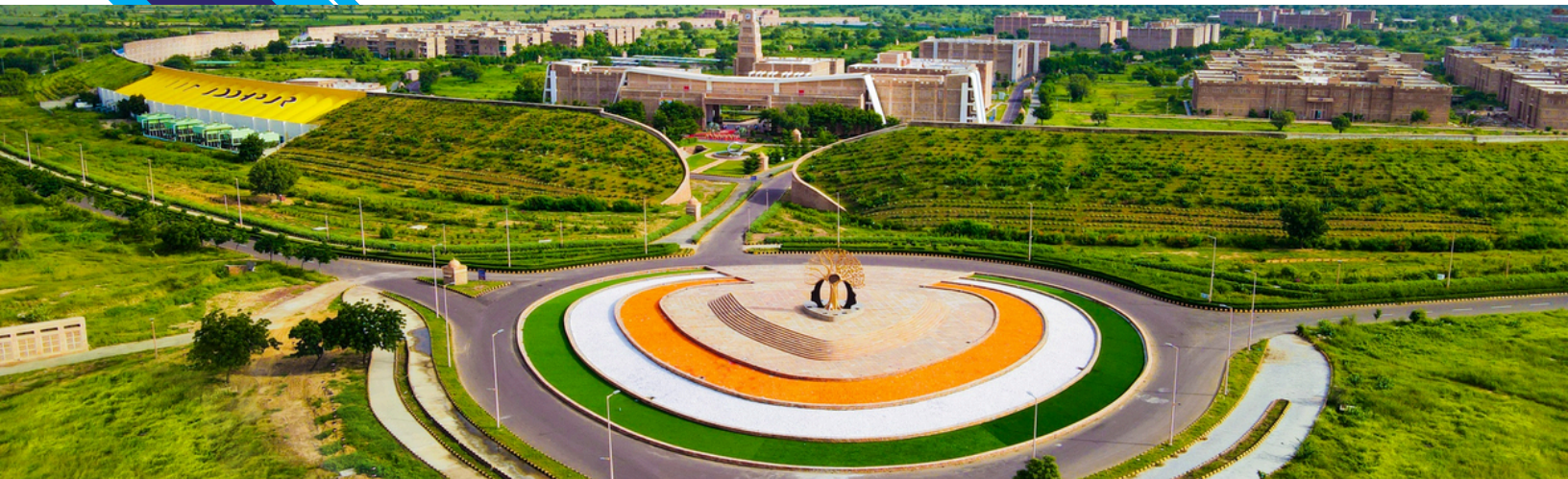*Organized by*

CENTRE FOR DIGITAL HEALTH

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR

in association with

LIBRA SOCIAL RESEARCH FOUNDATION

PROGRAM OVERVIEW

Leaders are increasingly required to navigate Digitalization of Healthcare Systems. The complex nature of these journeys requires a ready understanding of the diverse disciplines that form the moving parts of digital health. The immersive 2.5-day Management Development Program (MDP) on Digital Health Transformation, jointly organized by IIT Jodhpur and Libra Social Research Foundation, provides a strategic overview tailored for decision-makers. This program offers essential insights and practical knowledge for making effective digital health decisions. Participants will engage in comprehensive sessions and receive expert guidance aimed at enhancing their expertise. Though concise, the program equips leaders with the tools to drive impactful changes in healthcare.

OBJECTIVE

The goal of the MDP is

- *To provide a comprehensive understanding of various challenges and opportunities associated with digital health transformation.*
- *To unravel the key factors essential for building the digital health transformation roadmap and architecture.*
- *To provide an overview for effective mapping of the digital health technologies and processes across the organization.*
- *To help in developing suitable decision framework and analytics for decision making at various levels*

AUDIENCE

The MDP is specifically designed for high-level decision-makers within the healthcare sector. This includes government administrators at national, state, and district levels, as well as CxOs and senior management from hospitals, health insurance companies, MedTech, and HealthTech firms. The program aims to equip participants with the strategic knowledge and skills necessary to lead digital health initiatives and innovations within their organizations. By addressing the needs of key leaders, the MDP fosters a culture of excellence and forward-thinking in the healthcare industry.

TOPICS TO BE COVERED

- *Multiverse of Indian healthcare system*
- *Overview of digital transformation in healthcare*
- *Fundamentals of information technology for digital transformation in healthcare*
- *Healthcare project implementation: Practices and standards*
- *The technological perspective of managing 'product', 'vendors', and 'projects' in digital healthcare*
- *Requirement testing and dashboard managing*
- *Deep dive into digital health standard: Provider's perspective, payer's perspective, and product manufacture's perspective*
- *Technology insight into digital health applications: HIS, EMR, LIS, RIS, PBM, and claim management*
- *Impact of digitalization on public health*
- *Data privacy and data security in digital health*
- *Precision medicine, integrative medicine, and participatory medicine in the era of digital health*
- *Evolving technology landscape in digital health: Challenges and opportunities*

EXPECTED BENEFIT

Participants of the MDP will gain significant benefits aligned to their roles. Government administrators will develop skills in policy formulation, resource allocation, and the implementation of digital health initiatives. CxOs and senior management will enhance their operational efficiency, navigate regulatory landscapes, and achieve a competitive edge. The program also provides enhanced networking opportunities, strategic leadership improvements, and the ability to drive innovation within their organizations. The MDP will help the high-level decision-makers to maximize their impact on the healthcare ecosystem, fostering meaningful collaborations and real-world applications.

KEY RESOURCE PERSONS

Dr. Deepak Saxena

Dr. Saxena is the Head of the School of Management and Entrepreneurship at IIT Jodhpur and he is recognized for his work in Enterprise Systems (on-premise and cloud-based), digital transformation, and AI ethics. He has extensive experience in industry collaboration and consulting. He is also the Director for the MBA Technology Executive Program.

Dr Pankaj Gupta

Dr. Gupta is a globally recognised HealthTech, MedTech, InsurTech, Digital Innovation leader. Dr. Gupta has over 2 decades of healthcare industry experience which enabled process improvements, IT cost reduction, organization change management, and business transformation through implementation of Healthcare-IT solutions for Hospitals, Life-sciences and Pharma companies. Dr. Gupta was Health Innovator in Residence @The International Centre for Health Innovation, Richard Ivey. Dr Gupta is presently an volunteer advisor to NHA and ABDM.

Dr. Alok Ranjan

Dr. Ranjan is the Head of the school of Liberal Arts at IIT Jodhpur with expertise in public health, health economics, and health systems. His research focuses on improving healthcare access and efficiency, particularly in resource-constrained settings. He utilizes quantitative methods to analyse health policies and outcomes.

Ms. Seema Pandey

Ms. Pandey is a Healthcare IT Strategist with over 27 years of experience in the industry working with payors, providers, and public health organizations across the globe. She is passionate about Digital Health and its role in creating better experiences for providers, health workers, patients, and their families. She has led several digital transformation initiatives in the areas of Chronic Disease Management, Healthcare Information Exchanges, Digital Health Apps, and more.

Prof. Mayank Vatsa

Prof. Vatsa is a Professor of Computer Science at IIT Jodhpur. He is a Swarnajayanti Fellow and Fellow of IEEE, IAPR, AAIA. His expertise spans biometrics, image processing, and machine learning. His work includes application of machine learning to various domains of digital health, specifically, research related to children's nutritional status assessment. He has also worked on projects related to Biometric standards for e-governance applications.

Dr Rajesh Kumar Gupta

Dr. Gupta is an accomplished healthcare management professional with 22+ years of expertise in digital transformation, hospital operations, and innovation in healthcare IT. He has spent significant time in leadership roles in operationalizing hospitals, digital health strategy, product strategy, and pre-launch operations. He has served as Chief Innovations Officer, Taiba Hospital, Kuwait, VP of Clinical Transformation at MyHealthcare, GM of IT & Operations, Medanta, Principal Consultant and Lead at VistA EMR implementation at Max Healthcare and the Co-Founder of TrioTree Technologies.

Dr. Ramachandran Balaji

Dr. Balaji has over 2 decades of experience in clinical practice, hospital management, clinical research and healthcare. He has an MD in Family Medicine as well as postgraduate academic qualifications in technology management. Has played multiple CxO roles – including CMIO and CIO of HCG Group of Hospitals and Narayana Health Bangalore and GM-IT role for Parkway Hospital Singapore in the past. He has been associated with leading the development and implementation of innovative and cutting edge clinical information systems and clinical decision support systems for a number of hospitals in Singapore. This included working with Health Informatics Standards such as HL7, ICD9,ICD9 CM, ICD10, SNOMED, LOINC, DICOM, Good European Health Record and others. He has also ideated a number of solutions in Infosys.

Prof. Mitali Mukerji

Prof. Mukerji is a Professor in the Department of Bioscience and Bioengineering at IIT Jodhpur. She is a recipient of Bhatnagar award. Her research focuses on human genome variations and their impact on health and disease. Notably, she pioneered "Ayurgenomics," integrating Ayurvedic principles with genomics for personalized medicine. Her work includes developing methods for identifying biomarkers to predict disease susceptibility and understanding human phenotypes. She has also contributed to the Indian Genome Variation Consortium. Her research intersects with digital health through the application of genomics to create frameworks for precision health and medicine.

Dr. Debasis Das

Dr. Das is an Associate Professor in the Department of Computer Science and Engineering at IIT Jodhpur. He has been awarded the Early Career Research(ECR) Award and BRICS Young Scientist Award from Science & Engineering Research Board (SERB), Department of Science & Technology, Govt. of India. His research interests include areas such as Internet of Things (IoT) security, and blockchain technology.

Dr. Angshuman Paul

Dr. Paul is a faculty of department of computer science and engineering at IIT Jodhpur. He is an expert of in medical image analysis, machine learning, and computer vision. His research explores advanced techniques for image segmentation and classification, with applications in disease diagnosis and treatment planning. He has made significant contribution in digital health especially in digital diagnostics.

And many more from Academia and Industries!!

Pedagogy

The program is designed as a classroom-based program. It will have a blend of in-person classroom lecture, industry insight, case discussion, experience sharing and extensive Q&A sessions.

Certificate

At the end the program, participants will receive a Certificate of Participation from IIT Jodhpur.

Programme Fee

Rs. 20000.00 for individual (Non-residential) plus GST @ 18% or taxes as applicable as per the Govt. of India guidelines. The fees need to be paid in advance. The fee includes the cost of tuition, course material, lunch and high-tea for three days. For group registration (5 person or more), the group will get 15% discount in the total registration fees. Account details is mentioned below.

Participants are requested to arrange their accommodation as per their convenience and preference. Further, a list of hotels will also be shared with the participants where they can get the accommodation at discounted rate.

Program Registration

The registration should be completed through the online link provided below before the registration deadline. Payment of registration fees is required for the completion of the registration process. For eligible applicants, confirmation of registration will be provided on first-cum-first serve basis. In the case of cancellation of the program, the participants/sponsoring organization will get a full refund by next 45 days from the date of notification of cancellation. No refund will be made if the registered participants fail to attend the program. Applicants are requested to make travel plans only after receiving the confirmation of registration(s).

Registration Link:
https://forms.eduqfix.com/iitcep/add

ORGANIZING COMMITTEE

Chief Patron
Professor Avinash Kumar Agarwal
Director, Indian Institute of Technology Jodhpur

IMPORTANT DATES

Last date of online registration: **11th May 2025**
Last date of notification of acceptance of registration: **15th May, 2025**
Program start date: **5th June, 2025**
Program end date: **7th June, 2025**

EXECUTIVE MEMBERS

Dr. Deepak Kumar Saxena

Dr. Alok Ranjan

Dr. Angshuman Paul

Dr. Rajyalakshmi Garaga

Dr. Bikash Santra

Dr. Pankaj Gupta

Dr. Manukanchan

Dr. Palash Das

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PROGRAM VENUE

IIT Jodhpur Campus

IIT JODHPUR

IIT Jodhpur, established in 2008, is an institute of national importance committed to advancing higher education and research in India and abroad. Situated on a sprawling 852-acre campus, it emphasizes a multidisciplinary approach for technological advancement and holistic academic growth of its student and researchers. The Institute is known for its focus on cutting-edge research and innovation-driven academic programs. IIT Jodhpur offers a wide range of undergraduate, postgraduate, and doctoral programs in engineering, sciences, technology, liberal arts and management. Researchers at IIT Jodhpur are actively involved in cutting-edge multidisciplinary and trans-disciplinary research and contributing significantly to the various national missions. The Institute has already made its mark in various advanced research domains such as artificial intelligence, Sustainable engineering, Medical Technology, Nano technology, Energy Research, Materials Engineering etc. The Institute is also having the school of management and entrepreneurship which is committed towards bridging the gap between technology and management. IIT Jodhpur has recently received the prestigious Grand Jury Award in the Government Institute Category at the CII Annual Summit on Technology, Intellectual Property, and Industry-Academia Partnership.

CENTRE FOR DIGITAL HEALTH, IIT JODHPUR

The Centre for Digital Health at IIT Jodhpur is the first centre of its kind in Rajasthan and adjacent states. The Centre is focused on capacity building in Digital Health technology and management, research and Innovation for affordable, adoptable, sustainable, and disruptive technologies in digital health, and developing open-source participatory framework in digital health for open innovation and equitable access to healthcare. A number of globally renowned faculties across different disciplines working in the domain of digital health are engaged in the academic and research activities of the centre.

The centre is committed to contribute to the development of the digital health infrastructure of the State of Rajasthan and the nation and make healthcare equitable. The initiatives of the centre are well aligned with ABDM, National Digital Health Mission, 'Make in India', UN SDG 2030, and WHO Global Initiative for Digital Health.

LIBRA SOCIAL RESEARCH FOUNDATION

Libra Social Research Foundation , is a Not-for-Profit organization, that works at the convergence of Healthcare, Education, and Technology to ensure Health Equity at the Bottom of the Pyramid. Founders and members of the organization have globally proven experience in transformative approaches, through multi-decade global experiences in primary and secondary research, design thinking, technology architecture, fostering innovation, and building capacities across large ecosystems.

It also stewards the Libra Opensource Healthcare Community for people working in Healthcare Ecosystem across Health, Wellness, Pharma, Lifesciences, Health Insurance, Medical Devices, HealthTech, eHealth, mHealth, EHR, Hospital Info System (HIS), PRM, HC SMAC, AI, ML, HC IoT. Libra Social Research Foundation is a knowledge partner to IIT-Jodhpur in order to build capacity in Digital Health, Innovations Ecosystems, Digital Public Goods and Research.