



## INTERNATIONAL CONFERENCE

ON

### Future-Ready Hospitals: Strategic Adoption of Industry 4.0 Technologies (ICFRH-2025)

WITH VISION VIKSIT BHARAT@2047  
February 7 & 8, 2025

ORGANIZED BY

DEPARTMENT OF MANAGEMENT STUDIES & INDUSTRIAL ENGINEERING, INDIAN INSTITUTE OF TECHNOLOGY  
(INDIAN SCHOOL OF MINES) DHANBAD

IN COLLABORATION WITH

INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH (ICSSR) AND HEALTHINNOVATION TOOLBOX



AT

INDIAN INSTITUTE OF TECHNOLOGY  
(INDIAN SCHOOL OF MINES) DHANBAD, 826004 JHARKHAND, INDIA

## ABOUT IIT (ISM) DHANBAD

IIT(ISM) is located in the city of Dhanbad, the coal capital of India, which is at the heart of major Indian coalfields, in the state of Jharkhand. IIT (ISM) has centenary long credentials of outperforming achievements/contributions in academia and the industry. It has been focusing its academic and research activities on various aspects of science, technology and industry, occupying a unique position not only in India, but also abroad. It has substantially contributed to the development of Science, Engineering and Mineral sector through its in-house state-of-the-art facilities for advanced studies and research.

## ABOUT MANAGEMENT STUDIES & INDUSTRIAL ENGINEERING DEPARTMENT

Department of Management Studies & Industrial Engineering, was established in 1977 and was offering M.Tech program in Industrial Engineering and Management (IE&M) as well as Ph.D. Keeping pace with the changing times, the MBA program was launched in 1997 and MBA in Business Analytics in 2020. Department has glorious legacy of more than four decades has seen its rise from strength, continuously evolving and reinventing itself in tandem with changing business and industrial environment of the country. Along with the routine classroom lectures, students of the department take active part in presentations, seminars, workshops, etc.

## ABOUT THE CONFERENCE

The Two-day International Conference on Future-Ready Hospitals: Strategic Adoption of Industry 4.0 Technologies is organized by IIT (ISM) Dhanbad, in collaboration with ICSSR and HealthInnovation toolbox. The conference aims to collect ideas related to the Vision Viksit Bharat @2047 theme 'Inclusive Social Development' and sub-theme 'Strategies for bridging the digital divide through Access, Literacy, and Accessibility Initiatives'.

This conference is designed to attract submissions of scholarly works related to Digital Healthcare. The objective is to understand how the Industry 4.0 technologies can significantly improve the healthcare systems, predominantly the hospitals. Some possible topics for this conference call for papers include, but are not limited to:

- Hospital Management Systems
- Healthcare Supply Chain Management
- Healthcare Operations Management
- Healthcare Inventory Management
- Healthcare Product Development
- Pharmacy Management Systems
- Hospital Information Systems
- Telemedicine
- Healthcare Analytics & Big Data
- IoT, Blockchain and AI in Healthcare
- Healthcare Sustainability
- Healthcare 4.0 and 5.0
- Digital Innovations and Change Management in Healthcare
- Health Economics
- Healthcare Digital Literacy and Digital Divide
- Literature Review, Conceptual Framework, Simulation, Mathematical model, Empirical model in Digital Healthcare

Selection of papers for presentation will be confirmed after approval from review committee. The paper must be an original research work and has not yet been published. The paper must include abstract, purpose, methodology, key findings, practical implications, key references and keywords. The author(s) should clearly mention under which sub-theme the paper may be included.

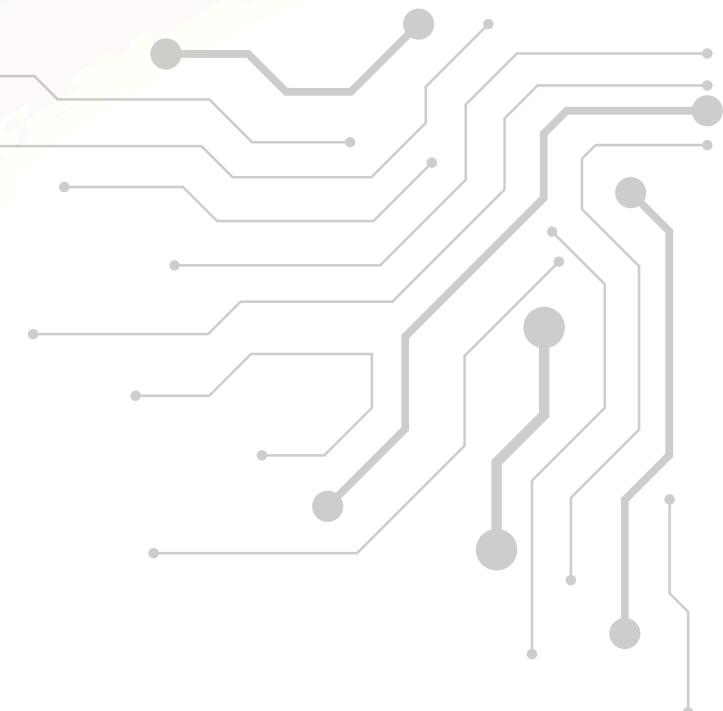
## ABOUT ICSSR VISION VIKSIT BHARAT @2047

As India moves closer to its 2047 aim of being a Developed Nation, the "Viksit Bharat" vision is a comprehensive plan, which includes all possible dimensions of sustainable growth like social, cultural, educational, economical, technological, etc. The role of Higher Education Institutions in India is pivotal in achieving the "Viksit Bharat" vision, especially acting as incubators of knowledge, innovation, and skilled human capital. The ICSSR on 'India Towards Viksit Bharat @ 2047' aims to address all such possible challenges by bringing together key stakeholders from academia, industry, government, and civil society on a common platform to establish a forum for thoughtful discussions, collaborative problem-solving, and strategic planning.

## ABOUT HEALTHINNOVATION TOOLBOX

HealthInnovation Toolbox (HIT) is a leading health-tech and digital product engineering company with over 10 years of expertise in transforming healthcare delivery globally. HIT has successfully collaborated with public and private healthcare systems across multiple geographies, including India, Middle East, Africa, and Southeast Asia. By driving digitization and creating inclusive digital health solutions tailored to emerging trends and technologies, leveraging extensive experience and strategic collaborations with major healthcare organizations and ministries of health, HIT has become a trusted partner in advancing global healthcare. HIT develops AI-powered tools, remote monitoring systems, and personalized digital platforms to enhance patient outcomes and streamline care delivery.

A cornerstone of HIT's mission is HITLabs 10000 which is a transformative global initiative dedicated to empowering healthcare professionals with free digital health and technology education, mentorship, and upskilling in more than 20 countries in Africa. From empowering healthtech startups addressing systemic challenges in both clinical and non-clinical areas, HIT is committed to aligning with the UN's Sustainable Development Goals (SDGs) creating a future where technology bridges gaps and improves lives across the globe.



## WHO CAN PARTICIPATE AND MODE OF CONFERENCE

Undergraduate and postgraduate students, research scholars, independent researchers, faculty members, healthcare professionals and industry personnel can participate in this conference. Both national and international participation are encouraged. National participants should be physically present at the conference venue. Only International participants can present in online-mode. Research papers should be in Hindi or English language only.

## ABSTRACT SUBMISSION GUIDELINES & LINK

The detailed guideline regarding abstract submission is available under the link below.

<https://app.oxfordabstracts.com/stages/77429/submitter>

All submitted conference abstracts will be blind peer reviewed by the review committee. The assessment of the abstract shall be made based on their relevance to the theme of the conference and on the parameters like clarity on the concerned healthcare problem, methodology/technology to solve the concerned healthcare problem, and practical implications. Only best 25 abstracts will be called for presentation at the conference. All selected presenters shall present their full paper at the conference. After the conference, selected papers may be invited for possible publication in reputed peer-reviewed journal(s).

## IMPORTANT DATES

- **JANUARY 1, 2025**  
ABSTRACT SUBMISSION DEADLINE
- **JANUARY 10, 2025**  
ABSTRACT ACCEPTANCE NOTIFICATION
- **JANUARY 25, 2025**  
FULL-LENGTH PAPER SUBMISSION (For accepted abstracts)
- **JANUARY 11, 2025**  
REGISTRATION OPENS
- **FEBRUARY 01, 2025**  
REGISTRATION CLOSES
- **CONFERENCE DATE**  
FEBRUARY 7-8, 2025

## CONFERENCE REGISTRATION FEES\* FOR PARTICIPANTS

	Registration Fees
STUDENT PARTICIPANTS	RS. 2000 /-
FACULTY	RS. 5000 /-
INDUSTRY PERSONNEL	RS. 5000 /-
INTERNATIONAL PARTICIPANTS	<ul style="list-style-type: none"><li>• 10 USD (Low- and middle-income countries - LMICs)</li><li>• 100 USD (High-income countries - HICs)</li></ul>

\*Participation Fees excluding taxes

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**Prof. Esha Saha**, Assistant Professor, Department of Management Studies and Industrial Engineering, IIT (ISM) Dhanbad.

## Co-Convenor and Treasurer

**Prof. Shikha Singh**, Assistant Professor, Department of Management Studies and Industrial Engineering, IIT (ISM) Dhanbad.

## Co-Convenors

- **Prof. Pradeep Rathore**, Assistant Professor, Operations and Quantitative Techniques, IIM Shillong.
- **Dr. Monika Sonu**, Co-Founder and Director New Product Development, Healthinnovation Toolbox, Bangalore.
- **Mr. Kingshuk Chakraborty**, Co-Founder and Director Strategy & Technology, Healthinnovation Toolbox, Bangalore.

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- Company Logo will be included in Conference Website, Brochure, Backdrop, Conference proceedings.
- One conference registration is free for the sponsoring company. The companies may nominate the person for presenting the paper.
- Deliver a 10-minutes presentation on the latest news from your company in a dedicated technical session within the conference.



SCAN TO SUBMIT ABSTRACT



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