

# International Webinar on “Impact of Digital Revolution on Pharma & Healthcare”

29<sup>th</sup> January – 2<sup>nd</sup> February, 2021

Sponsored by,

TEQIP III



Organised by

Department of Information Technology

&

Centre for Healthcare Science and  
Technology

Indian Institute of Engineering  
Science and Technology (IIST),  
Shibpur

## Programme Objective

Digital transformation is completely reshaping the healthcare system. We will discuss about....

- ✚ Clinical Trials and big data management
  - ✚ Treating patients with virtual reality
  - ✚ AI enabled drug/vaccine development
  - ✚ Automation in drug design, vaccine technology, reverse vaccinology
  - ✚ *In silico* modelling
  - ✚ Predictive healthcare
  - ✚ Smart healthcare, monitoring, and management
  - ✚ Digital tools and techniques
  - ✚ Remote and on-demand healthcare services
  - ✚ Privacy preservation and security in electronic health management
- And more...

## Registration Link

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## Theme

Digital technology is revolutionising the paradigm of Indian healthcare sector. Recent advancements in Internet, wireless networks, mobile computing, sensor networking and cloud computing technologies as well as Bioinformatics based approaches have revolutionised healthcare systems. AI enabled neuroscientists to obtain further insights into how computation works in the brain, the effort might lead to machines that can take on more human-like intelligence. IoT is expected to improve efficiency with devices that can be used to enable remote health monitoring. IoT in healthcare plays a fundamental role in managing chronic diseases and in disease prevention and control.

The Webinar is aimed at emphasizing this useful crosstalk between several scientific domains and educating UG/PG and doctoral students beyond the boundaries and sharing knowledge among eminent Academicians and representatives from Industries.

## Intended Audience...

- Researchers, Scientists
- Medical professionals
- Students – Engineering, Science and Medical
- Medical diagnostic companies
- Biomedical Start up companies



## ***Eminent Speakers***

- ◆ **Jennifer Bradford**  
(Director Data Science, PHASTAR, UK)
- ◆ **Karen Taylor**  
(Director, Delloite, UK)
- ◆ **Maria J Cruz**  
(Research Manager Delloite, UK)
- ◆ **Joanne Trgovcich**  
(ICF, Director Health sciences, NC, USA)
- ◆ **Prasun J Mishra**  
(Head of Innovation, California, USA)
- ◆ **Aditi Bhatiya**  
(Business Operation Consultant, Ohio State University, USA)
- ◆ **Kumaresh Krishnamoorthy**  
(Surgeon, Rosewell Park Cancer Inst, USA)
- ◆ **A Ramkishan**  
(Dy Drug Controller, Ministry of Health & Family Welfare)
- ◆ **Amit Saxena**  
(Head Genomics Lab, TCS Innovation, New Delhi)
- ◆ **Aparna Mazumdar**  
(Head R & D (IT), Sun Pharmaceuticals India Ltd)
- ◆ **Chandan Bhar**  
(Founder, Director, IPR Advisor-GPC Life Sc Pune)
- ◆ **Mahesh Bhalgat**  
(Chief Operating Officer, Syngene International, India)
- ◆ **Debnath Pal**  
(Professor, CDS, IISc, Bangalore, India)
- ◆ **Arindam Talukdar**  
(Principal Scientist, IICB, Kolkata)
- ◆ **Subhadip Basu**  
(Professor, CSE, JU, Kolkata)
- ◆ **Pralay Mitra**  
(Dept of CSE, IIT, Kharagpur)
- ◆ **Satadal Saha**  
(Visiting Prof, SMST, IIT- Kharagpur)
- ◆ **Debdoot Sheet**  
(Dept of EE, IIT Kharagpur)

## ***Organising Committee***

### ○ **Chief Patron**

Prof. Dr. Parthasarathi Chakrabarti

Director, IEST Shibpur

### ○ **Patron**

- Sudip Roy, Dean (Academic)
- Arindam Biswas, Dean (IRAA)
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- Sukanta Das, Head, Department of Information Technology
- Susanta Chakraborty, Head, Centre of Healthcare Science and Technology

### ○ **Coordinator**

- Prasun Ghosal, Department of Information Technology
- Chitrangada Das Mukhopadhyay, Centre of Healthcare Science and Technology

## ***About IEST..***

Indian Institute of Engineering Science and Technology (IEST), Shibpur was set up as the first IEST of the country by the Government of India in 2014 by converting the erstwhile Bengal Engineering and Science University, Shibpur. The institute, estd. 1856 as Bengal Engineering College, has been a premier seat of higher learning in the field of Engineering and Technology. During almost 160 years of glorious existence the institute has produced brilliant engineers and technologists who have left indelible mark in India and abroad.

