

# A Series of Workshop

On

## Research Methodology in Advancement of Biomedical Multimodal Imaging and its Analysis

Scheduled on

From 5<sup>th</sup> March to 9<sup>th</sup> March 2026  
10:00 AM Onwards



Organized by

Department of Computer Science and Engineering  
Tripura University (A Central University)

Funded by

Ministry of Health & Family Welfare  
Department of Health Research  
Government of India

Venue

CSE Classroom - Ground Floor of Academic Bulding 9

### ABOUT TRIPURA UNIVERSITY

Tripura University, established in 1976 as the Post-Graduate Wing of Calcutta University, became a state university in 1987 and a Central University in 2007. Dedicated to academic excellence, it plays a vital role in advancing education, research, and technological innovation in Tripura. With a serene, pollution-free campus, the university provides an ideal learning environment. It emphasizes contemporary knowledge, tribal studies, and vocational education to enhance employment opportunities. Currently, it has 52 affiliated colleges and offers a diverse range of doctoral, postgraduate, diploma, and undergraduate programs across various

## OVERVIEW OF THE WORKSHOP

This workshop on Research Methodology in Advancement of Biomedical Multi Modal Imaging and its Analysis aims to provide researchers, students, and professionals with a comprehensive understanding of modern research practices in biomedical imaging. The workshop focuses on methodological approaches used in medical image acquisition, processing, analysis, and interpretation. It introduces participants to emerging imaging modalities, data-driven techniques, and interdisciplinary research methods. Participants gain exposure to machine learning and deep learning techniques applied to biomedical images. Ethical considerations, reproducibility, and privacy issues in biomedical research are also discussed. The workshop promotes hands-on sessions to enhance practical skills in image analysis tools and frameworks. It encourages collaborative research and knowledge sharing among engineers and researchers.

## OBJECTIVES

- To introduce fundamental and advanced research methodologies used in Biomedical Multi Modal Imaging and its Analysis.
- Providing a practical knowledge of image processing, analysis techniques, and computational tools.
- Familiarize participants with modern machine learning and deep learning approaches in medical imaging.
- To create awareness about ethical issues, data privacy, and reproducibility in biomedical research and to encourage interdisciplinary collaboration in biomedical imaging applications.

## WHO CAN ATTEND

- Engineers and researchers from manufacturing, service and government organizations including R&D laboratories
- Students at all levels (B.Tech/M.Sc/M.Tech/Ph.D) or Faculty from reputed academic institutions and technical institution

\*There is no registration fee for this workshop.

GET REGISTER YOUR SELF

Registration Link: <https://forms.gle/AYk7yyeb5nJ23eBN8>

## EXPERT SPEAKERS FROM

- Prof. Dipti Prasad Mukherjee, Indian Statistical Institute, Kolkata.
- Prof. D.C. Kar, Bhabha Atomic Research Centre, Mumbai.
- Prof. Jayanta Mukhopadhyay, Indian Institute of Technology, Kharagpur
- Dr. Angshuman Paul, Indian Institute of Technology, Jodhpur.
- Prof. Manjunath V Joshi, Dhirubhai Ambani University, Gandhinagar, Gujarat.
- Dr. Ranjan Gupta, All India Institute of Medical Sciences, New Delhi.
- Prof. Bhabatosh Chanda, Indian Statistical Institute, Kolkata.
- Prof. Jayanthi Sivaswamy, International Institute of Information Technology, Hyderabad.
- Prof. Prabudh Goel, All India Institute of Medical Sciences, New Delhi.
- Prof. Uma Shanker Tiwary, Banaras Hindu University, Varanasi.



Dr. Mrinal Kanti Bhowmik

Organizer Secretary & Convener

Associate Professor & Head  
Dept. of Computer Science & Engineering

Mobile: 8794822191

Email: [mrinalkantibhowmik@tripurauniv.ac.in](mailto:mrinalkantibhowmik@tripurauniv.ac.in)

## Organizing Committee

### — Chief Patron

Prof. Shyamal Das, Hon'ble Vice Chancellor, Tripura University (A Central University)

### — Advisors

- Prof. D. Bhattacharjee, Dean Faculty of Science, Tripura University (A Central University)
- Prof. Samir Kumar Sil, Registrar (i/c), Tripura University (A Central University)
- Mr. Debasish Pal, Finance Officer, Tripura University (A Central University)
- Prof. Swanirbhar Majumder, Head, Dept. of IT, Tripura University (A Central University)

### — Committee Members

- Dr. Abhishek Majumder, Associate Professor, Dept. of CSE, Tripura University (A Central University)
- Dr. Somen Debnath, Associate Professor, Dept. of CSE, Tripura University (A Central University)
- Dr. Bishanka Brata Bhowmik, Head (i/c), Dept. of ECE, Tripura University (A Central University)
- Dr. Champa Nandi, Head (i/c), Dept. of EE, Tripura University (A Central University)