

MCC

MEDICAL COBOTICS CENTRE



The Medical Cobotics Centre (MCC) is a collaboration between I-Hub Foundation for Cobotics (IHFC), TIH - IIT Delhi, and iHub Anubhuti-IIITD Foundation, TIH - IIIT Delhi.

INTRODUCTION

Medical Cobotics Centre (MCC) is a Centre of Excellence and Co-Innovation Centre (CiC) to provide education, training, and skill development for medical practitioners, engineering and science students, as well as paramedical staff along with other healthcare personnel, along with a comprehensive ecosystem for technology development, validation, and deployment. It boasts a state-of-the-art infrastructure for Research and Development (R&D), simulation, and incubation facilities.



MCC OBJECTIVES

- To provide long-term sustainable solutions for the country in medical systems and technologies.
- To adopt a Participate, Invest, Collaborate, Execute (PICE) approach for the benefit of society by generating employment and fostering involvement in the growth of the latest technology in healthcare.
- To stay connected with the medical industry and address their needs at every stage.
- To promote the indigenization of technology in healthcare.
- To create a widespread network across India and abroad.
- To utilize the latest technology and equipment in medical applications.



Facilities at MCC:

MCC is equipped with following facilities:

- **High Fidelity Simulator**

The Human Patient Simulator (HPS) is used to educate students and professionals to practice by attending courses in similar domains to deal with various scenarios in medical sciences. Learners get trained using reproducible standardized protocols; core clinical competencies practised without risk, allowing errors to occur and reach their conclusion and refined in a safe, controlled environment; critical scenarios simulated to teach and assess clinical, communication and critical thinking skills.

- **Innovation and Research Facility**

A space where doctors and engineers collaborate to develop new technologies and devices that will benefit both patients and healthcare providers. MCC was established to strengthen the medical ecosystem for the greater good of humankind in every way.

- **Incubation Center for Startups**

Provides the necessary facilities to develop and test new prototypes, models, apps, or technologies. These innovations can eventually be introduced to the medical industry, academia, and other industry partners for mass production.

- **Biomedical Device Test Center**

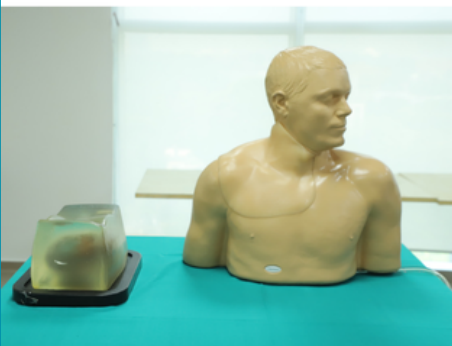
A centre for testing new industrial products introduced by companies, assessing their acceptance, durability, efficiency, and performance to ensure desired results.

- **Display Center**

To show use case scenarios conceptualized by students and researchers.

- **Simulation**

Offers simulations of real-world scenarios, including trauma and ACL (Anterior Cruciate Ligament Reconstruction) training.





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SCAN TO VIEW VIDEO

Reach Us

Location: Medical Cobotics Centre (MCC) - 4th Floor, Lecture Hall Complex (LHC),
Indraprastha Institute of Information Technology, New Delhi - 110020