

Sri
MANAKULA



Medical College and Hospital

Accredited by NAAC with A+ Grade, Accredited by NABH and NABL

KALITHEERTHALKUPPAM, PUDUCHERRY - 605 107.

Institution's Innovation Council

IIC Self Driven Activity

Title: Biodesign Workshop: Bridging Disciplines to Innovate Medical Technologies

Theme: Cross-disciplinary collaboration to innovate medical technologies through the Biodesign process.



Organizing Secretary: Dr.P.Sanjay, Dean Research, IIC – Convener

IIC -Student Coordinator: Deepak V

Objectives:

1. To introduce participants to the Stanford Biodesign process for medical technology innovation.
2. To encourage cross-disciplinary collaboration among medical, engineering, and management students.
3. To identify healthcare needs aligned with Sustainable Development Goal 3 (Good Health and Well-being).
4. To provide hands-on problem-solving experience using the Theory of Change framework.

Participants Details:

A total of 40 members participated in the Biodesign Workshop. The participants included MBBS students along with peers from engineering and management studies, ensuring a multidisciplinary learning environment. The judging panel comprised

professors from Physiology and Psychiatry, who provided expert guidance and feedback during the sessions.

Programme Overview:

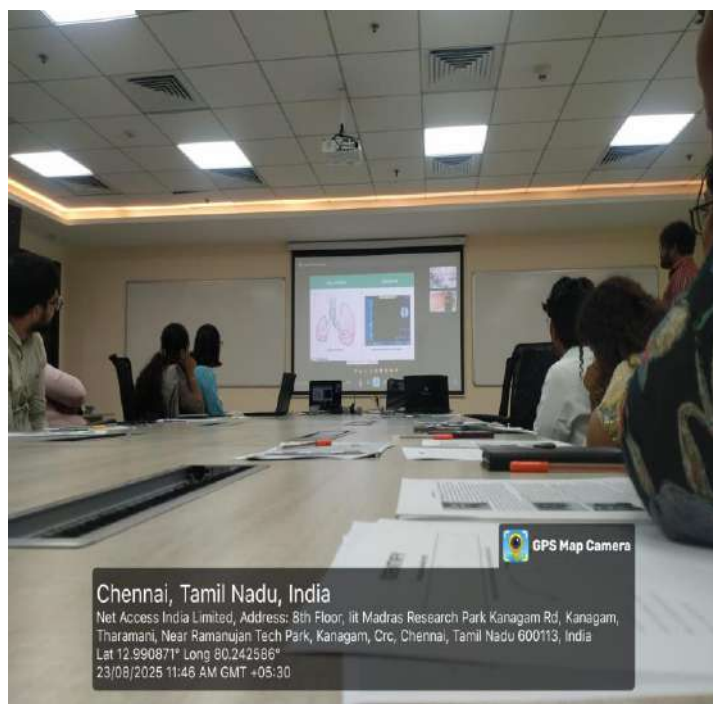
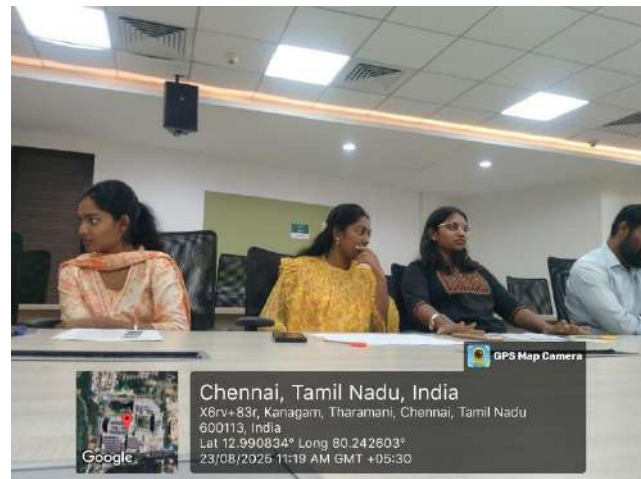
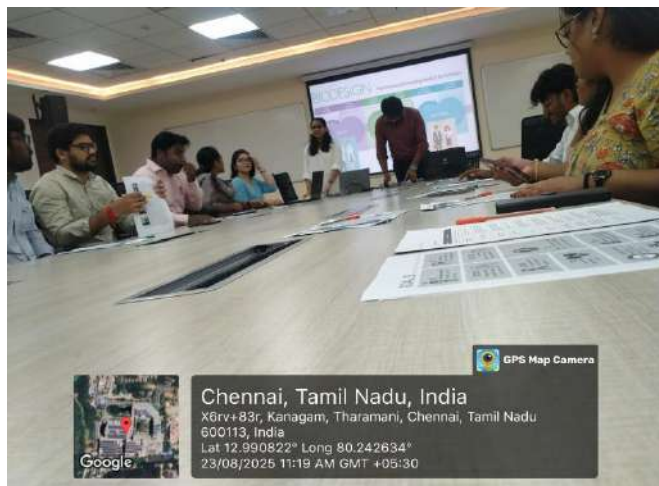
The Biodesign Workshop focused on introducing participants to the Stanford Biodesign process, emphasizing need identification, concept generation, and implementation strategies in medical technology. The sessions fostered cross-disciplinary collaboration, hands-on problem-solving, and mentoring by startup founders, enabling participants to gain practical exposure to MedTech innovation and entrepreneurship.

Outcomes:

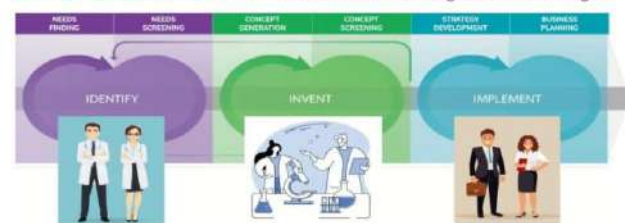
- Participants gained knowledge of the Stanford Biodesign methodology.
- Enhanced collaboration skills across medicine, engineering, and management domains.
- Identified key healthcare needs aligned with SDG 3 (Good Health and Well-being).
- Developed problem-solving and innovation mindset using the Theory of Change framework.

Way Forward:

The workshop has laid the foundation for interdisciplinary innovation in healthcare. Moving ahead, participants can refine their identified solutions, seek mentorship from industry experts, and explore incubation opportunities to transform their ideas into viable MedTech startups. Regular follow-up sessions and collaboration platforms will further strengthen their entrepreneurial journey.



BIODESIGN The Process of Innovating Medical Technologies



BIODESIGN WORKSHOP: BRIDGING DISCIPLINES TO INNOVATE MEDICAL TECHNOLOGIES

Biodesign workshop fostering cross disciplinary collaborations and discussions among medical, engineering and management studies students aspiring to be medtech innovators organized by young thriving Medtech Startups!

Date: 23rd August 2025, 11.00 AM - 2.30 PM

Venue: IIT Madras Research Park, Chennai

What to Expect:

Stanford Biodesign Process of innovating Medical Technologies
Cross-disciplinary learning & collaboration
Need identification aligned with SDG – Sustainable Development Goal 3
Hands-on problem-solving based on Theory of Change framework
Preparing a pitch deck
Startup Founders-led sessions & mentoring

Meet the following MedTech Startups!

SPQT

