

PRE-EVENT REPORT

Centre for Healthcare Engineering and Learning (cHEAL)

Presents

Two Day National Symposium

on

“DEVELOPMENTAL DISABILITIES - CHALLENGES & SOLUTIONS”

The Centre of Excellence in Healthcare Technologies (cHEAL) fosters innovation by uniting experts across Medicine, Engineering, and Data Analytics to advance healthcare through technology, focusing on mHealth, Decision Support Systems, Wearable and Assistive Devices, and Medical Informatics.

The Symposium on Developmental Disabilities serves as a platform to share cutting-edge research, practical solutions, and foster dialogue between medical and engineering domains. Its mission is to raise awareness, promote understanding, and empower individuals with developmental disabilities to reach their full potential.

TRACKS

- **Neuro-Cognitive Disabilities**

This track focuses on groundbreaking advances in the diagnosis, therapy, and neuroimaging of neuro-cognitive disabilities. It explores how AI-driven tools can facilitate early detection, learning enhancements, and continuous monitoring to support individuals with developmental challenges, empowering them to lead independent and fulfilling lives.

- **Psychological Disabilities**

In this track, experts delve into the treatment challenges and emerging technologies for personalized mental health care. The focus is on innovative, remote solutions for individuals facing psychological disabilities, enabling effective support and intervention regardless of location.

- **Speech and Learning Disabilities**

This track highlights cutting-edge developments in speech therapy, AI-driven communication tools, augmented reality (AR) learning platforms, and software solutions designed to enhance communication skills and cognitive development. Participants will discover transformative approaches to empower those facing speech and learning challenges.

- **Chronic Physical Disabilities**

This track emphasizes advancements in rehabilitation techniques, assistive technologies, prosthetics, robotics, and sensor-based systems. The goal is to showcase innovations that enhance mobility, independence, and quality of life for individuals with chronic physical disabilities.

REGISTRATION DETAILS

- **Registration Fee:** Rs. 500/- per team
- **Last Date to Register:** 30th December 2024

For any queries, feel free to contact us at:  **Email:** cheal@pes.edu