About the Institute:

National Institute of Technology, Tiruchirappalli (NIT-T), is one among the premier Institutions of India and is well known for its high standards in teaching and research. It offers 10 Undergraduate and 23 Postgraduate programmes in the disciplines of Engineering, Science, Architecture and Management. NIT-T retained its 1st position amongst its 31 counterparts in the country and 9th position among Engineering Institutions in the National Institutional Ranking Framework (NIRF) 2023 Ranking.

About the Department:

The Department of Instrumentation and Control Engineering (ICE) is interdisciplinary in nature. It has vibrant faculty members with research and teaching interests that cover a broad range of fields. The department offers B.Tech. Programme in Instrumentation and Control Engineering [Accredited for 6 years], M.Tech. Programme in Industrial Automation and in Process Control and Instrumentation jointly with the Department of Chemical Engineering and research programmes (M.S. and Ph.D.) in the various fields of Instrumentation and Control Engineering. The department with its state-of-the-art laboratories has obtained various funded projects from government/private organizations and renowned industries and 10 patents.

SERB Sponsored

Two days National Workshop on

Emerging Technologies on Wearable Orthotics for Rehabilitation

August 9th & 10th 2024

Organized by

Department of Instrumentation and Control Engineering
NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI - 620015

Event Organizers:

Dr. D. Ezhilarasi, Professor

Dr. K. Dhanalakshmi, Professor & HoD

About the Workshop:

Wearable orthotic devices designed to support and enhance the mobility of the human body. They are used in various applications, including medical rehabilitation, assisting individuals with mobility impairments, and augmenting physical capabilities for industrial or military purposes. The "Emerging Technologies on Wearable Orthotic for Rehabilitation" workshop likely focuses on recent advancements and innovations in the field of exoskeleton technology, specifically for lower/upper limbs. Hence, the theme of this workshop is to introduce the advanced Control Techniques that are currently being researched for Multifunctional Exoskeletons.

The major topics to be covered in the workshop includes

- Introduction to wearable Exoskeletons
- Technological Innovations
- Medical and Rehabilitation Applications
- Robust Controller design and implementation
- User Experience and Human Factors
- Research and Development
- Future Trends and Directions
- Interactive Sessions and Demonstrations

This workshop is meant for the scholars who are interested in the Control of Exoskeleton research field and it provides an opportunity to gain invaluable information from eminent speakers. Further, this workshop also provide a platform for the scholars to discuss and interact with eminent persons leading to a collaborative research environment.

Schedule:

Workshop will be conducted in HYBRID MODE. Eminent Speakers from IITs, NITs, Government R&D organizations and Industries will deliver lecture. The schedule of the programme will be shared to the participants through their registered email ID.

Organizing Committee :

Chief Patron	: Dr. G. AGHILA
	Director, NIT Tiruchirappalli
Patron	: Dr. V. SANKARANARAYANAN
	Dean (Research and Consultancy)
Organizers	: Dr. D. EZHILARASI, Professor
	Dr. K. DHANALAKSHMI, Professor & HoD

Prospective Participants

This workshop is open for participants from academic Institutions including faculty members. Post-graduate students and PhD scholars from Technical Institutions and Industry.

Registration:

- Registration Fee Rs-200/-
- Use the below link for workshop registration on or before 30th July 2024. Proof of payment must be uploaded in the google form.

https://forms.gle/9LKzX2xQ3Uz2arE99

Mode of Payment: Registration fee can be paid through State Bank i-collect (State Bank of India) [Tamil Nadu->Educational Institution ->conference and workshop NIT Trichy-> (ICE EMERGING TECH WEARABLE 2024)] using the link: State Bank Collect (onlinesbi.sbi)

Important Dates:

Last date for submission or Registration	–	30th July 2024
Confirmation of Participation	–	5th August 2024
Workshop Dates	–	9th & 10th August 2024

Contact Persons:

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