Three Day Workshop on Recent Trends in Biomedical Instrumentation and Assistive Technology
(on-line mode only) under SPARC programme

May 26-28, 2021

Principal Coordinator
Dr. P.A. Karthick

Organized by Department of Instrumentation and Control Engineering National Institute of Technology Tiruchirappalli-620015

ABOUT THE INSTITUTE
National Institute of Technology, Tiruchirappalli is one among the premier Institutions of India and is well known for its high standards in academic and research. It offers ten undergraduate and twenty-four Postgraduate programs in the disciplines of Engineering, Science, Architecture and Management. The Government of India under NIT Act has declared it as an Institute of National Importance. NIT Trichy is ranked first among all NITs across the nation and secured 9th position in Engineering in the India Rankings 2020 released by NIRF, Government of India. More details at http://www.nitt.edu.

ABOUT THE DEPARTMENT
The Department of Instrumentation and Control Engineering is interdisciplinary in nature. The department was established in the year 1993. It has vibrant faculty members with research and teaching interests that cover a broad range of fields. The department offers B.Tech. program in Instrumentation and Control Engineering, M. Tech program in Industrial Automation, M.S. (by research) and Ph.D. The department with its state-of-the-art faculties has obtained various funded projects from government/private organizations and renowned industries.

ABOUT SPARC
The Scheme for Promotion of Academic and Research Collaboration (SPARC) aims at improving the research ecosystem of India’s Higher Educational Institutions by facilitating academic and research collaborations between Indian Institutions and the best Institutions in the world from 28 selected nations to jointly solve problems of national and/or international relevance.

COURSE CONTENTS
Introduction to basic physiological systems, signals and images, current trends in medical instrumentation, neuromuscular and neurological conditions, modeling and simulation, rehabilitation and assistive devices, medical device regulations and standards, and Artificial Intelligence in Healthcare.

COURSE FACULTIES
SPARC foreign collaborators Prof. Kianoush Nazarpour, University of Edinburgh, and Prof. Laurence Kenney, University of Salford; Prof. S. Ramakrishnan, IIT Madras, Dr. P.A Karthick along with faculty members from IITs, NITs and experts working in the area of medical instrumentation and assistive devices.

REGISTRATION
There is no registration fee for this course. All participants will be issued e-certificate of participation

Please register using the following link

https://bit.ly/3tV3t4V

Last Date for registration 25th May 2021

ADDRESS FOR COMMUNICATION
Dr. P. A. Karthick,
Assistant Professor
Instrumentation and Control Engineering
National Institute of Technology Tiruchirappalli-620015.
Email: pakarthick@nitt.edu