Online Short Term Course on Basic2Advance of Signal Processing for Engineering Applications
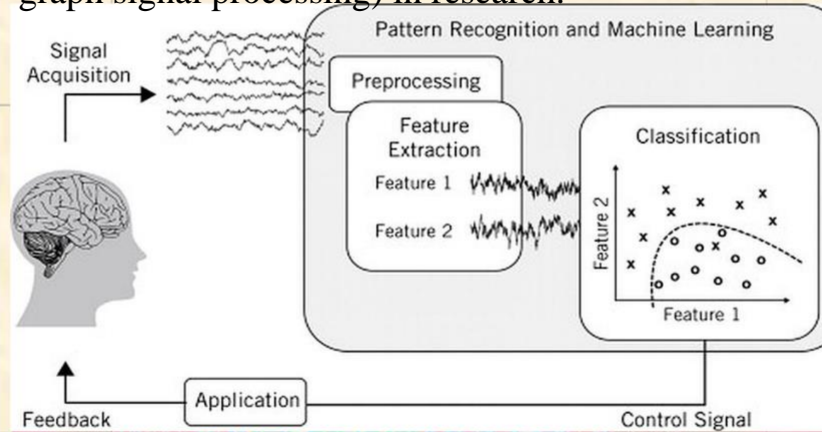
15th – 19th February 2021
Sponsored by TEQIP-III

Organized by
Department of Electrical Engineering

Malaviya National Institute of Technology Jaipur

JLN Marg, Malviya Nagar, Jaipur-302017

www.mnit.ac.in

Objective of course

Signal contains information. Signal processing means to analyze that information. This task is the backbone of every human and it has been used in image processing, medical signal analysis. Yet many interested researchers couldn't pursue this interesting field sucessfully due to fear of related mathematics. In this workshop, the main objective is to address that fear and becoming successful researcher by helping to apply the modern concepts of signal processing (like graph signal processing) in research.

Organizing Committee

Patron
Prof. Udaykumar R. Yaragatti
(Director, MNIT Jaipur)

Conveners
Prof. Rajive Tiwari,
Head of Department,
Department of Electrical Engineering, MNIT Jaipur
Prof. K.R. Niazi,
Professor (HAG),
Department of Electrical Engineering, MNIT Jaipur

Coordinators
Dr. Hemant Kumar Meena,
Assistant professor,
Department of Electrical Engineering, MNIT Jaipur

Dr. Dipti Saxena,
Associate professor,
Department of Electrical Engineering, MNIT Jaipur

Contact Person:
Dr. Hemant Kumar Meena
Email: hmeena.ee@mnit.ac.in
Mobile No: 9549657324

About MNIT Jaipur

MNIT Jaipur is one of the premier NITs, designated with the status of "Institute of National Importance" by MHRD. The institute was established in 1963, and its campus spreads over 325 acres of lush green area in the central location of Jaipur city. The institute offers UG and PG courses (B.Tech., M.Tech. /MBA/ M.Sc. & Ph.D.) to about 5000 students, in leading fields of engineering, technology, architecture, management & sciences. The institute is actively engaged in research, consultancy and developmental activities, besides imparting regular teaching. MNIT Jaipur was ranked at 35th position in NIRF ranking 2020.

About Department of Electrical Engineering

Welcome to the Department of Electrical Engineering at Malaviya National Institute of Technology Jaipur. The Electrical Engineering Department is one of the oldest department of the institute which was established in the year 1963. At present the department offers both undergraduate and postgraduate courses in Electrical Engineering.

The department has well equipped laboratories such as Electrical Machines laboratory, Power System Laboratory, Control System laboratory, Electrical measurement laboratory, Power electronics & Drives laboratory, Electrical workshop & Computer laboratory.

Topics to be covered

The course will be beneficial to students/ researchers from diverse backgrounds working in the field of Signal processing, power quality, image processing etc.

The main topics to be covered in this STC are:

- Basic and Applications in speech processing
- Basic and Applications of wavelet
- Biomedical applications
- Applications in power quality monitoring and fault detection
- Applications of graph signal processing and MATLAB hands on session

Resource Persons/ speakers

The resource persons for the course will be highly experienced faculty members from IITs (Prof. S.D. Joshi, IIT Delhi, Prof. Ram Bilas Pachori,…) and NITs working in the relevant areas.

Targeted participants

Faculty members from engineering institutes/ universities, Ph.D. research scholars and M. Tech students.

Number of Participants

Number of participants is limited to 35 for the workshop. Application will be accepted on *first cum-first serve basis.*

Important Dates

Last date for online registration : 12.02.2021
Last date for early registration (Early discount of 50%):05.05.2021
Confirmation by email: 13.02.2021

How to Apply

Online Short Term Course
On

Basic2Advance of Signal Processing for Engineering Applications

15th – 19th February, 2021
Department of Electrical Engineering,
MNIT Jaipur – 302017 Rajasthan

Registration

Registration Fees

The participation fee including GST for different participants is till:

1. MNIT Students and staff : Rs.500/-

2. Other Institute Participants: Rs. 1000/-Payment mode: NEFT/IMPS

Account Details: Registrar, MNIT Jaipur (TEQIP-III)

A/C No.: 36875887782, SBI, MNIT Campus, Jaipur, IFSC Code: SBIN0015921

Registration Link:

https://forms.gle/q6VyAK4azCLopRDN7

* The receipt of payment must be attached to the google form.

*Special performance E-certificates will be provided to the top 5 performers in quiz based on the lectures.