About the pre-workshop

The pre-workshop consists of series of lectures, followed by Tutorials using MATLAB, focused on the state-to-the-art techniques on Machine learning, Deep learning and Computational intelligence. Also, the pre-workshop reveals the data driven applications in Wireless communication.

Objective of the workshop

Due to the feasibility of collecting huge data from mobile and wireless networks, there are many possibilities of using Machine learning, Deep-learning and the Computational Intelligence to interpret and to hunt knowledge from the collected data. The workshop aims in consolidating the experimental results integrating the Machine learning, Deep learning and Computational intelligence for wireless communication. This pre-workshop acts as the platform for the participants to contribute the research outcomes towards the actual workshop to be conducted during May 11th to May 13th 2020.

For further details: Click here.

Important details:

- Last date for pre-workshop registration: ~~5th September 2019~~ 11th September 2019
- Link to the online registration: Click here
- Registration fee : Rs. 2500 (Including GST) in the form of DD in favor of "The Director, NIT Tiruchirappalli" (payable at Tiruchirappalli).
- Registration is complete once we receive the hard copy of the Demand Draft. FIRST COME FIRST SERVE BASIS
- Maximum number of participants is limited
- Registration will be closed once the count reaches the maximum limit. Hurry!!! (Registration Include Lunch and study material).
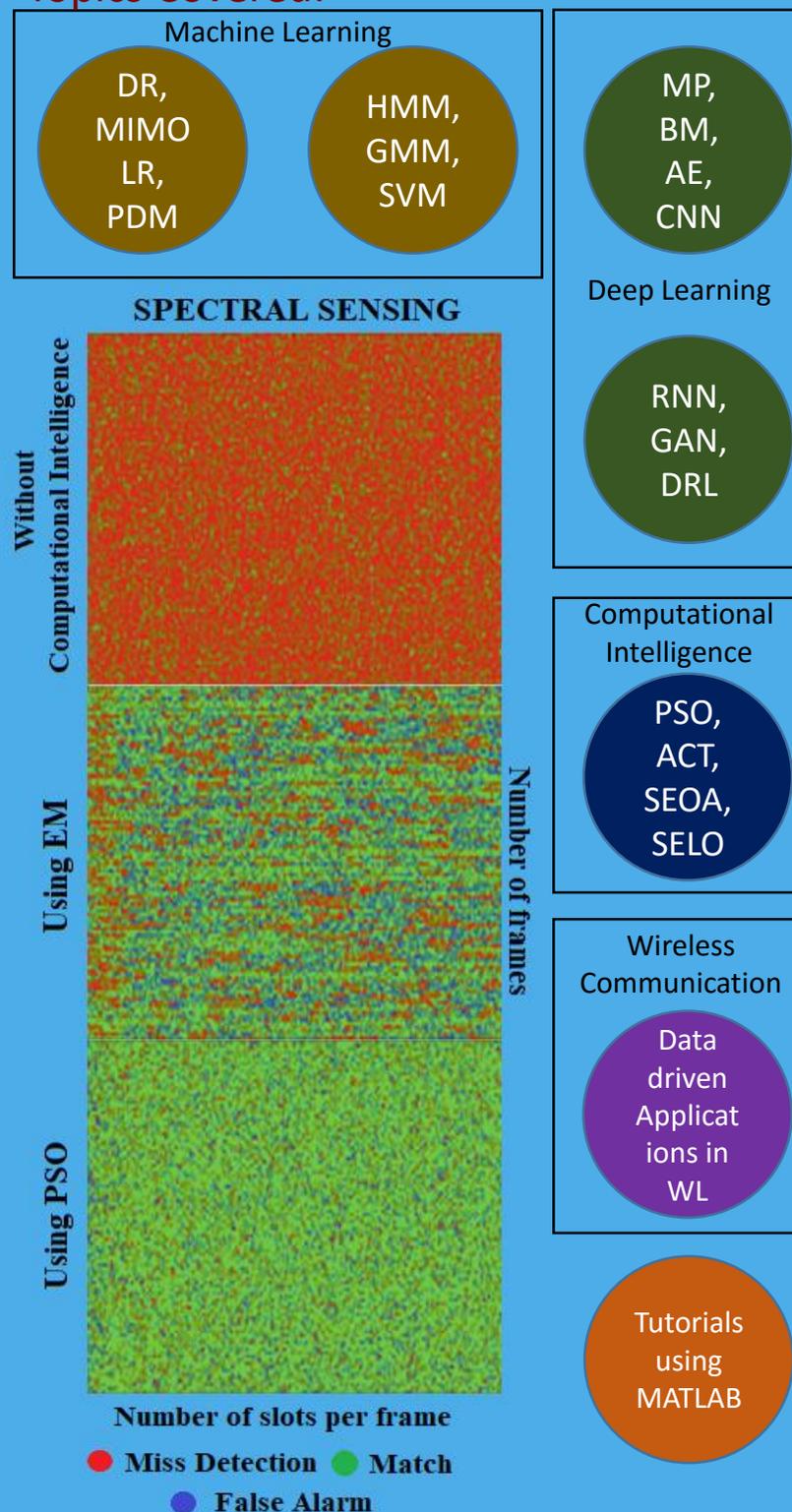
Contact details:
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Who Should attend?
All UG, PG, research scholars and faculty who are interested in machine learning, deep learning, computational intelligence and their applications

Topics Covered:

Machine Learning
- DR, MIMO LR, PDM
- HMM, GMM, SVM

Deep Learning
- MP, BM, AE, CNN
- RNN, GAN, DRL

Computational Intelligence
- PSO, ACT, SEOA, SELO

Wireless Communication
- Data driven Applications in WL

- Tutorials using MATLAB

SPECTRAL SENSING

Without Computational Intelligence / Using EM / Using PSO

Number of frames

Number of slots per frame

● Miss Detection ● Match ● False Alarm

To know more about this figure: Click here

Tentative Schedule: Click here

For clarifications, contact:
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Department of Electronics and Communication Engineering
National Institute of Technology Tiruchirappalli-620015

Machine learning, Deep learning and Computational Intelligence for Wireless Communication (MDCWC)

Deep Learning

Wireless Communication

MDCWC

Machine Learning

Computational Intelligence
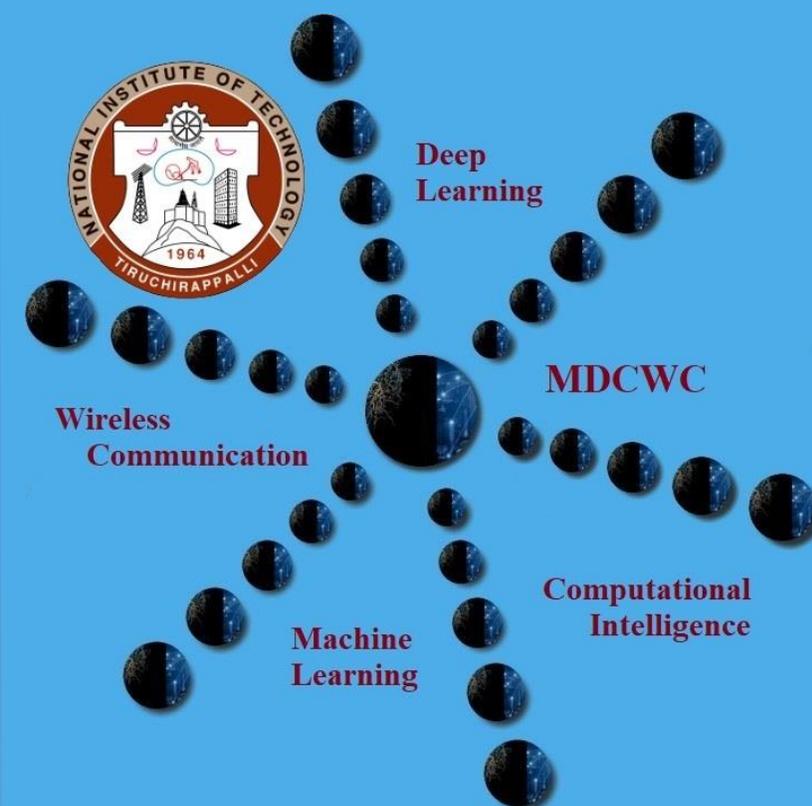
Pre-workshop during 16th-20th September 2019

Coordinators:

Dr. E S Gopi , Associate Professor/ECE
Dr. B Rebekka, Assistant Professor/ECE
Dr. G Thavasi Raja, Assistant Professor/ECE

Attractions   Newsletter COMPSIGNITT   Publications