

**One Week Hybrid Mode IETE sponsored
Faculty Development Program (FDP)**

On

**“Problem solving, Modelling and
Simulation Tools for Electronics
and Communication Engineering”**

**18th – 22th, June 2024
(Tuesday – Saturday)**

**Convener & H.O.D - ECE
Dr.V.Kejalakshmi**



सह धीर्यं करवावहे

Organized by

**Department of Electronics & Communication
Engineering**

Accredited by NBA

**K.L.N. College of Engineering
(An Autonomous Institution**

Affiliated to Anna University, Chennai)

Pottapalayam - 630 612
Sivagangai District.

ABOUT THE INSTITUTE

K.L.N. College of Engineering has been the first self-financing co-educational Engineering College started in Madurai in 1994. The College has been affiliated to Anna University and approved by All India Council for Technical Education (AICTE). The College is located in the south eastern outskirts of Madurai and is 11Km away from Madurai city. The college runs 8 undergraduate engineering programs and 5 Master Programs including M.E. Communication Systems. The college has got the autonomous status from the year 2020.

DEPARTMENT OF ECE

The Department of ECE was started in 1994. The Department has adequate infrastructure with spacious classrooms, conference halls and well developed ten laboratories having the advanced designing tools like Xilinx Vivado System Edition, Cadence Front-end & Back-end design suites, LabView, MATLAB, ADS, AnSoft, Orcad P-Spice and modernized equipment like Analog discovery kit, Microwave power meter, Spectrum analyzer, Network analyzer. The department initiates the U.G., P.G. & research projects in Embedded Systems and IoT through the incubation centres which is based on the collaboration of institution & embedded industries. AICTE, New Delhi has sanctioned fund as under MODROB scheme for modernizing Microwave Lab and DSP lab of this department. The department library has over 1500 books and magazines and journals.

OBJECTIVES OF THE WORKSHOP

The aim of this program is to provide teaching faculties and researchers in the field of Electronics and Communication with an opportunity to gain practical experience and to enhance their knowledge of modeling and simulation tools. Presentations, interactive sessions using these tools will facilitate creative and innovative learning in disciplines such as 5G communication, RF systems, IoT, VLSI design, digital signal processing, and machine learning techniques. The FDP will cover the following topics:

- **Signal Processing and system Design using Simulink**
- **Digital Image Processing using MATLAB**
- **Exploring 5G Wireless Communication through Modeling and Simulation**
- **Machine Learning and AI in Electronics using Python & MATLAB**
- **Harnessing High-Frequency Power: Design and Simulation of RF Circuits using HFSS**
- **IoT System Design**
- **Network Simulation and Analysis with NetSim**
- **VLSI design using Cadence tools**
- **Design of Digital system using Xilinx Zed Board**
- **Research paper writing using LATEX**
- **Patent filling procedure**

RESOURCE PERSONS

TETCOS LLP - NetSim Team:

Ms.Nidhi Mariswamy, Sr.Application Engineer

Entuple Technologies Pvt. Ltd., - HFSS Team:

Dr.Swetha Amit, Senior Application Engineer

ARK Infosolutions Pvt. Ltd., - MATLAB Team:

Dr.Vivek Ashokan, Regional Manager,

Mr.Gowtham Rajmohan, Sr. Application Engineer

Mr.Afsal, Sr. Application Engineer

WHO CAN REGISTER?

The programme is open for all college faculties, research scholars, UG and PG students. Application can be downloaded from the website www.klnce.edu

CORRESPONDENCE

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Assistant Professor / ECE

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Pottapalayam – 630 612. Sivagangai, Tamilnadu.

REGISTRATION FORM

Name :

Qualification :

Designation :

Department :

Organization:

Address for :

Communication

Mobile No. :

E-mail id :

Payment Details:
(Transaction No.)

Signature of the Applicant

Registration Link:

<https://forms.gle/aRaieFDsKvxc6mkK7>

The registration fee is Rs.300/- per participant