Registration

The Registration is FREE for all the participants from AICTE recognized Engineering Colleges /Polytechnics, R&D Organizations, Industries and Government Departments.

Registration link:
https://forms.gle/9PhpnVNmf8tixfdp6

It is mandatorily required to send your Institute ID Card. In case of any query, you may contact by email id.

After successful registration, the participants will receive a confirmation mail. The last date of submission is **25th November, 2020**. Late applications will not be entertained.

Important Dates

Last Date for Registration: **25-11-2020**
Selection Intimation: **27-11-2020**

Eligibility for Participation

Faculty from AICTE recognized Engineering Colleges / Polytechnics (with Interdisciplinary nature such as **Electrical, Electronics, Instrumentation, Computer and Science** Background), Participants from R&D Organizations, Industries and Government Departments are eligible to attend the Programme.

Resource Person

- The speakers will be drawn from IITs, NITs, industries and other reputed organizations. Some speakers will be from K.L.N. College of Engineering.
- Research scholars who are interested to share their knowledge.
- Academicians from some of the technical institutions of National Interest.

Program Evaluation Committee

Dr. A.V. Ramprasad, Chairperson, Principal
Dr.S.M.Kannan, Co-convener, HOD/EEE
Dr. S.Venkatesan, Member Secretary, Co-ordinator
Dr. V. Kejalakshmi, Member, HOD/ECE
Dr. R. Alageswaran, Member, HOD/IT

Program Monitoring Committee

Dr.K.Gnanambal, Member, Prof/EEE
Prof.A.Marimuthu, Member, ASP/EEE
Dr.P.Loganthurai, Member, ASP/EEE

Technical Advisory Committee

Dr.C.Vimalarani, ASP/EEE
Prof.A.Manoj, AP/EEE

At the end of the Faculty Development Programme, a test will be conducted by the Programme Evaluation Committee as per the AICTE guidelines. The Certificate will be issued to the Participants who have attended the programme and also have qualified in the test.

AICTE Sponsored
Online
Faculty Development Programme
(Series-II)
on

Enhancement
of
Data Analytics for Smart Grid

30.11.2020 to 12.12.2020

CONVENER
Dr.A.V.RAMPRASAD
PRINCIPAL

CO-CONVENER
Dr.S.M.KANNAN
PROFESSOR & HEAD

COORDINATOR
Dr.S.Venkatesan
PROFESSOR

Organized by

Department of
Electrical and Electronics Engineering
(5th time Accredited by NBA)

K.L.N. College of Engineering
(An Autonomous Institution)
Affiliated to Anna University, Chennai,
Accredited by NAAC

Pottapalayam - 630 612, Sivagangai District, Tamilnadu.
Phone: 0462 - 209071/972
URL: www.klnce.edu

ABOUT THE INSTITUTION

K.L.N. College of Engineering is the first self financing co-educational Engineering College in Madurai, started in the year 1994 by Munificence of Philanthropist and well-wishers in Sourashtra Community which is a linguistic minority in Tamilnadu.

This college is sponsored by the committee of eminent industrialists and academicians led by enthusiastic, educationalist and Industrialist (Late) ThiruK.L.N. Krishnan.

This college has been approved by All India Council for Technical Education, New Delhi and is affiliated to Anna University, Chennai. This college is situated on the South Eastern outskirts of Madurai, 11th Km on Madurai – Nedungulam Road. It is built in an area of 53.8 acres. This College offers Seven Undergraduate Programmes, Five Postgraduate Programmes and Doctoral Programmes in Engineering. The college is accredited by National Assessment and Accreditation Council (NAAC) for 5 years and also an ISO 9001:2015.

ABOUT THE DEPARTMENT

Started offering B.E. in Electrical and Electronics Engineering in the year 1994 with an intake of 40 and with the latest intake of 120 in 2011. Started offering M.E. in Power Systems Engineering in the year 2004 with an intake of 20 and increased intake to 24 in 2012.

The department is recognized as a Ph.D research centre of Anna University. Accredited for five times by the National Board of Accreditation, New Delhi. The department has well equipped laboratories and doing consultancy in "Industrial Harmonic Audit" and "Energy Audit" for the benefit of public sector undertaking and private companies. The department is fully equipped with the latest and has excellent computing facilities with latest simulation software.

OBJECTIVE OF THE SEMINAR

- To familiarize with the Need of Data Analytics and explore the fundamentals of Smart Grid
- To enable participants to apply advanced analysis tools in operation of smart grid and Automation systems.
- To provide participants with a comprehensive understanding on design and analysis of Automation industries.
- To ensure the participants aware of the current state of art on operation and control of smart grid and associated technologies.
- To familiarize Intelligent Data Collection Devices in Smart Grid.
- To study the recent engineering problems in Data Science Pertaining to Smart Grid Analytics.
- To evolve effective Tools for Big Data Analytics problems.
- To develop new methods and algorithms for training, effective teaching and research.
- To discuss the various Big Data Analytics for Smart Grid- Case Studies technique.
- To train faculties for exploring research opportunities and carryout innovative interpretations.
- To equip faculties with skills and knowledge in the field of recent development in power systems, smart grid, big data, breaking opportunities in power grid that enhances a multitude of technical, social, and economic gains, etc, which are essential for inculcating learning values in students, guiding and monitoring their progress towards their career.

COURSE CONTENT

- Potential Benefits of the Smart Grid.
- Smart Grid and the Environment Challenges.
- Use of tools (python programming) for big data analytics.
- Discover and apply knowledge of python programming.
- Attain good knowledge about the theory behind Conventional Machine Learning Algorithms for Data Analytics and how these are applied to smart grid.
- Evaluate different feature of Advanced Machine Learning Algorithms for Data Analytics and how they can be adapted to data analytics.
- Experience in tools for deep learning, AI and designing various algorithms.
- Understands Cloud and edge computing for Big data analytics.
- Motivate their students to get exposure to big data analytics for smart grid.
- Research areas in smart grid.
- Other domain specific applications

ADDRESS FOR COMMUNICATION

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