

ORGANIZING COMMITTEE

Chief Patron

Dr. Nalla G. Palaniswami

Chairman
KMCH

Dr. Thavamani D. Palaniswami

Secretary
Dr. N.G.P. Institute of Technology

Patron

Dr.O.T. Buvaneswaran

Chief Executive Officer
KMCR&ET

President

Dr. S.U. Prabha

Principal

Convenor

Dr.S. Jaganathan

Professor & HoD/EEE

Co-ordinators

Dr.K. Ramash Kumar

Professor/EEE

Mr. R. Balakrishnan

AP/EEE

Registration form completed in all aspects is to be sent to:
Co-ordinator

**Two Days Hands-On National Level
Workshop on "Solving of Research Articles
Using MATLAB/Simulink"**

Department of EEE

**Dr. N.G.P. INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)**

(Approved by AICTE, New Delhi, & Affiliated to Anna University, Chennai)

Recognized by UGC and Accredited by NAAC with A+ and
NBA (BME, CSE, ECE, EEE AND MECH)

Dr. N.G.P. Nagar- Kalapatti Road, Coimbatore – 641 048

ABOUT THE COLLEGE

Dr. N.G.P. Institute of Technology established in the year 2007 is located in Coimbatore, Tamil Nadu. It is run by Kovai Medical Center Research and Educational Trust, Coimbatore. The Chairman Dr. Nalla G. Palaniswami and Secretary Dr. Thavamani D.Palaniswami are basically medical practitioners by profession, started this Institution with the vision of imparting quality technical education.

Dr. N.G.P. Institute of Technology is an autonomous institution and approved by All India Council for Technical Education (AICTE) and affiliated to Anna University, Chennai. It is also recognized by UGC under Section 2(f) and 12(B), accredited by NAAC with A+ (3.36 out of 4) and eligible programmes are accredited by NBA (BME, CSE, ECE, EEE and Mechanical).

The Institute offers 9 Under Graduate Programmes in BE - BME, CSE, CSBS, Civil, ECE, EEE and Mechanical and B.Tech - IT and AIDS. It also offers 4 Post graduate Programmes namely ME - Computer Science and Engineering, Embedded Systems Technologies, Power Electronics and Drives along with MBA. The Departments of CSE, ECE, EEE and Mechanical Engineering are Recognized Research Centres of Anna University, Chennai. The students are passionately mentored by 183 faculty members out of which 68 faculty members are holding their Ph.D Degree and 69 are pursuing their Ph.D.

The Institute is located within a serene green campus and has well planned infrastructure. The institute also established center for e-learning, TLC and digital library to enrich teaching-learning process. Through AICTE funded IIPC, the Institute established industry powered centers like Center for Robotics e-Yantra, Texas Instruments Center, NI LabVIEW Academy, etc., to train the students on emerging technologies.

In order to bridge the gap between industry and academia MoUs have been signed with SIEMENS Ltd, Oracle Corporation, CISCO Systems Inc, Texas Instruments, IBM India Pvt. Ltd., National Instruments, CODISSIA, Siemens Healthcare Pvt. Ltd., KEF Infrastructure India Pvt. Ltd. etc.

ABOUT THE DEPARTMENT

The Department of EEE was established during the inception of the institute in 2007. It strives for excellence in the core field of Electrical and Electronics Engineering. It provides an international ambience in a local setting with innovative and engaging teaching methods, workshops, lecture series, industry institute interaction, seminars by eminent speakers, virtual industry tour and research activities. It offers a comprehensive array of courses that encompass the undergraduate, postgraduate and Doctoral levels with an objective of imparting quality education and research whilst leading on the innovation curve. Apart from teaching, every faculty member is involving in publishing and presenting papers in the journals and conferences.

Two Days Hands-On National Level Workshop

on

**"Solving of Research Articles Using
MATLAB/Simulink"**

30.01.2023 To 31.01.2023



Organised by

Department of

**Electrical and Electronics Engineering
in Association with EEE Students
Association**



**Dr. N.G.P. INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)**

(Approved by AICTE, New Delhi, & Affiliated to Anna University, Chennai)

Recognized by UGC and Accredited by NAAC with A+ and
NBA (BME, CSE, ECE, EEE AND MECH)

Dr. N.G.P. Nagar- Kalapatti Road, Coimbatore – 641 048.

VISION AND MISSION OF THE DEPARTMENT

VISION: To produce highly competent electrical and electronics engineers to meet the technological needs of the society.

MISSION

- Imparting innovative **teaching and learning methodologies**.
- Nurturing faculty and students to engage in **research and development** activities through **industry alliances and partnership**.
- Providing conducive environment for **skill enrichment** through well **equipped laboratories and academic support system**.
- Inculcating **ethical values and leadership qualities** among the students for societal benefits.

ABOUT THE WORKSHOP

The goal of this hands-on workshop is to use MATLAB/Simulink to solve research articles in the fields of electrical and electronics engineering. The research articles are solved using Simulink toolboxes as well as MATLAB coding. This workshop covers the FACTS device, Multi-level Inverter, Power Factor Correction Converters, Controller Design, and Electric Vehicle Converter Design. The participant will gain hands-on experience using this software platform to solve research articles in the specified topics.

The following research article titles will be solved in this hands-on workshop.

- Indirect current controlled shunt active power filter for power quality improvement.
(<http://dx.doi.org/10.1016/j.ijepes.2014.05.002>)
- A New 7-Level Symmetric Multilevel Inverter with Minimum Number of Switches.
(<https://doi.org/10.1155/2013/476876>)
- Power factor correction using Boost converter operating in CCM for front-end AC to DC conversion.
(<https://10.1109/ICSESP.2018.8376665>)
- Multiple Source Single Output Buck Boost DC-DC Converter for Electric Vehicle Applications.
(<https://doi.org/10.3390/en16010216>)

RESOURCE PERSON

Dr.K. Ramash Kumar,
Professor-EEE,
Dr.N.G.P.Institute of Technology,
Coimbatore-48.

REGISTRATION FEE

UG/PG Students : Rs. 400/-
Academicians/
Research Scholars : Rs. 500/-
Industrial Participants : Rs. 700/-

HOW TO APPLY

The Participants can send their duly filled-in registration form to the coordinator along with the Demand Draft in favour of '**Principal, Dr.N.G.P. Institute of Technology**' payable at Coimbatore. The registration fee includes seminar workshop materials in CD- Format, Kit, lunch and refreshment.

SCHEDULED DATES

Last date for receipt of Application: 25.01.2023
Intimation of selection : 26.01.2023
Confirmation by participants : 27.01.2023

For any other queries contact:

Dr. K. Ramash Kumar,
Prof. /EEE
Mobile Number: 8072262692
E.mail: ramashkumar@drngpit.ac.in

Two Days Hands-On National Level Workshop on "Solving of Research Articles Using MATLAB/Simulink"

30.01.2023 to 31.01.2023

REGISTRATION FORM

Name (in Block Letters) :
Category :
Educational Qualification :
Designation :
Organization :
Department :
Gender :
Age :
Address for
Communication :
Mobile Number :
E-mail ID :
Accommodation Required : Yes/No
Payment Details
DD.No :
Amount :
Date :
Bank Name & Branch :

Signature of the Applicant