

ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Advances in Optimization and Control of Electrical Engineering Systems
(11th – 20th July, 2022)

Organized by
Electronics & ICT Academy, NIT Warangal
in association with

Seshadri Rao Gudlavallu Engineering College, Gudlavallu

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)

(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)



PREAMBLE:

“Electronics & ICT Academy” was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nico- bar Islands. This academy role is to offer faculty development programs in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

ABOUT FDP:

In modern day electrical systems, control and optimization techniques and algorithms play a decisive role. In fact, optimization represents a crucial issue in smart grid/micro-grids energy flow, renewable energy, electrical and hybrid vehicles, as well as in traditional engines, energy storage devices, electrical motors, and in any kind of actuator, including alternative actuators. Any kind of small motors and actuators (electrical, hydraulic, pneumatic, etc.), which are devoted to the transformation of energy into movement, because of their massive application, should be considered in this process of global intelligent energy optimization. This program will be a platform to train the members towards the advances in Optimization and Intelligent Control of Electrical systems and provide an avenue for research in all the recent advances in the various fields of Electrical Engineering..

MAJOR COURSE CONTENTS:

1. Introduction to Modern Optimization Techniques.
2. Introduction to Controller Design
3. Optimal Control of Energy Storage Systems
4. Optimal Control Tools & Implementation to Power Electronics and Drives.
5. Performance optimization of Smart/Micro Grids
6. Research Trends in Optimization of Modern Power systems

FACULTY CONDUCTING THIS PROGRAMME:

The programme will be led by faculty members from NIT Warangal, and academicians from IITs, NITs, and IIITs are invited to give talks at the event. As part of the training, industry speakers are anticipated to speak.

REGISTRATION FEE PARTICULARS:

Faculty and Research Scholars	Rs.750/-*
Industry Participants	Rs.2250/-*

Participants need to pay the Registration Fee Online using the following details.

ONLINE TRANSFER DETAILS

Account Name: Electronics & ICT Academy NITW
Account No: 62423775910
IFSC: SBIN0020149
Bank and Branch: State Bank of India, NIT (REC) Warangal

HOW TO APPLY:

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/FS19LYxNvhXtK5c18>

SELECTION CRITERIA:

Selection will be done based on first-come-first-serve basis to a maximum number of 50 (Fifty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI

IMPORTANT DATES:

Last date (Application)	4 th July 2022 (5.00PM)
Selected list of candidates sent by E- mail	7 th July 2022 (5.00PM)
Duration of FDP	10 Days

ABOUT NIT WARANGAL:

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programs in various specializations.

ABOUT SRGEC:

The college is promoted by AANM & VVRSR Educational Society, Gudlavallu and was established in 1998. The college is situated in Gudlavallu, surrounded by lush green fields, providing serene atmosphere to learners. The college offers B.Tech. programmes in nine branches of Engineering viz, Civil, Electrical & Electronics, Mechanical, Electronics & Communication, Computer Science, Information Technology, Artificial Intelligence & Data Science, Internet of Things and CSE (Artificial Intelligence and Machine Learning) with a total intake of 1320. It also offers five PG programmes in Engineering (M.Tech.) and Business Management (MBA). The college is permanently affiliated to JNTUK, Kakinada and obtained the Autonomous status from U.G.C. in the year 2014 and the status extended till 2025. All the eligible branches of engineering are accredited by NBA, New Delhi. The Institution is continuously striving for excellence by adopting changes to improve the systems, practices and performance levels.

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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :

6. Online payment details
Reference No :
Amount :
Bank :
Date :

7. Address for Correspondence :

8. Educational Qualification :
9. Subjects taught so far :

10. No. of refresher courses/workshops attended :

11. Experience (in years) :

Teaching: Research: Industry:

12. Do you belong to SC/ST : YES / NO

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

DATE

SIGNATURE OF THE APPLICANT

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "Advances in Optimization and Control of Electrical Engineering Systems", sponsored by Electronics & ICT Academy, NIT Warangal during 11th – 20th July, 2022 at SRGEC, Gudlavalluru.

Signature of Head of Institution
(with seal)

Address for correspondence

Dr.B.Dasu

Associate Professor

Seshadri Rao Gudlavalluru Engineering College, Gudlavalluru

Email: dasu.geceee@gmail.com

Mobile: 8096029570

It is requested to all the delegates, after completion of application form, all the payment details, screenshot of the payment and scanned application form has to be uploaded in the following online registration link.

Registration Link:

<https://forms.gle/FS19LYxNvhXtK5c18>

For more details about Electronics & ICT Academy, NIT, Warangal, please visit: <https://nitw.ac.in/eict>

For more enquiries please contact:

Dr.B.Dasu

Associate Professor & H.O.D(I/c)

Department of Electrical & Electronics Engineering

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Coordinators

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