

## REGISTRATION FORM

Physical Mode - Six Day Faculty Development  
Training Programme on  
**EE3031-INTELLIGENT CONTROL OF  
ELECTRIC VEHICLES**  
19<sup>th</sup> February – 24<sup>th</sup> February 2024

1. Name:
2. Designation:
3. Qualification:
4. Age and Date of Birth:
5. Experience:
6. Email ID & Mobile No.:
7. Institution Address:
8. Institute Affiliated to Anna University: Yes/No
9. Address for Communication:
10. Accommodation Required: Yes/No

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Faculty Development Training Program. If selected, I shall attend the program for the entire duration.

Date:

Place: Signature of the Applicant

### SPONSORSHIP

Mr./Ms./Dr .....is  
an employee of our Institute /Organization and is hereby  
permitted for the above Faculty Development Training  
Program, if selected.

Date: Signature & Seal of

Place: Head of the Institution

**The faculty members can register through online  
and submit your registration form on or before  
14.02.2024.**

### HOW TO APPLY

Use the following link for Registration.

<https://forms.gle/m8bLqdS5vEuy5Rdd8>

The scanned copy of completed registration  
form (duly signed by the competent authority) can  
be submitted through the google form link before  
due date.

## ORGANIZING COMMITTEE

- CHIEF PATRON** : **Dr. R. Velraj**  
Vice Chancellor  
Anna University
- PATRON** : **Dr. J. Prakash**  
Registrar i/c  
Anna University
- CHAIR** : **Dr. P. Vanaja Ranjan**  
Director, CFPD  
**Dr. V. Adaikkalam**  
Addl. Director, CFPD
- CO-CHAIR** : **Dr. S. U. Prabha**  
Principal  
NGP iTECH  
**Dr. S. Jaganathan**  
Professor & Head-EEE  
NGP iTECH
- Co-ordinators** : **Dr. S. U. Prabha**  
Professor/ EEE  
**Dr.K. Ramash Kumar**  
Professor / EEE  
NGP iTECH
- Venue** : **East Seminar Hall,**  
**NGP iTECH**

### IMPORTANT DATES:

- Submission of Applications: **14.02.2024**  
Intimation of Selection : **15.02.2024**  
Confirmation by Participants (email):  
**16.02.2024**

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On  
**EE3031-INTELLIGENT CONTROL OF  
ELECTRIC VEHICLES**  
**19-02-2024 to 24-02-2024**

### CO-ORDINATORS

Dr. S.U.Prabha  
Dr. K. Ramash Kumar



### Sponsored by

Centre for Faculty & Professional Development  
Anna University, Chennai - 25

### Organized by

**Department of Electrical and Electronics  
Engineering**



**Dr. N.G.P. Institute of Technology**  
(An Autonomous Institution)

Dr. N.G.P. Nagar – Kalapatti Road, Coimbatore – 641  
048, Tamil Nadu, India.

### **ABOUT THE INSTITUTION:**

Dr. N.G.P. Institute of Technology established in the year 2007 is located in Coimbatore, Tamil Nadu. It is run by Dr.N.G.P. Research and Educational Trust, Coimbatore. The Chairman Dr. Nalla G. Palaniswami and Secretary Dr. Thavamani D. Palaniswami are basically medical practitioners by profession, and started this Institution with the vision of imparting quality technical education. The Institute is approved by the All-India Council for Technical Education (AICTE) and is affiliated with 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 programs are accredited by NBA (BME, CSE, ECE, EEE, and MECH). The Institute offers 10 UG Programmes in BE - BME, CSE, CSE(CS) Civil, ECE, EEE, and Mechanical and B. Tech – IT, CSBS, and AI&DS. It also offers 4 PG Programmes namely ME - Computer Science and Engg., Embedded Systems Technologies, Power Electronics and Drives along with MBA. The Departments of CSE, ECE, EEE, and MECH Engg. are Recognized Research Centres of Anna University, Chennai.

### **ABOUT THE DEPARTMENT:**

The Dept. 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 National and International journals and conferences. The department has received a total grant of about 31.45 lakhs from various funding agencies like ISRO, AICTE, TNSCST, IE(I), DST (SERB) and CSIR for various technical events.

MoUs are signed with the renowned Industries to bridge the gap between industry & Academia.

### **COURSE DESCRIPTION:**

This faculty development training programme will provide opportunity for teachers employed in AICTE approved and Anna University affiliated institutions for training and upgrading their knowledge in the area of Intelligent Control of Electric Vehicles. This programme enriches their knowledge and will also provide a basic platform to carry out research. This programme will cover the syllabus provided by Anna University for the undergraduate course.

### **COURSE CONTENTS:**

The following salient topics will be discussed in the Intelligent Control of Electric Vehicles Faculty Development Training Programme. It will provide a better understanding of the electric vehicles.

This course covers,

- Mathematical Model and Characteristics Analysis of the BLDC Motor.
- Speed Control of Electric Drives.
- Fuzzy Logic Control.
- . FPGA and VHDL Basics
- Real time implementation open loop and fuzzy logic control of 48 V BLDC motor using FPGA.
- Inverter design and sensors.

### **RESOURCE PERSONS:**

Experienced faculty members of Anna University and experts from Industry, IIT, NIT and R& D Centres will deliver the lectures.

### **ELIGIBILITY:**

Faculty members from Electrical, Electronics and Instrumentation, Computer Science, AI&DS, Mechanical, and Automobile Department, from colleges affiliated to Anna University, Chennai may be preferred.

### **REGISTRATION:**

- Registration for the FDTP can be done using the attached form or photo copy of the form. The completed form should be sent by post/ mail to the Coordinator.
- Total number of participants is limited to 40 only however, organizer's decision is final in the selection of the candidates.
- Participants will be selected on first comes first serve basis.
- Selected candidates will be intimated by e-mail. Confirmation of participation is to be made by email.
- Selected candidates will be intimated by e-mail.
- No TA/DA will be paid.
- No course fee for the program.

### **PROGRAM CERTIFICATES:**

Participation Certificates will be issued only for those participants by the Center for Faculty Development, Anna University, Chennai-25, who have secured at least 80% attendance and 60% Marks in the test.

### **ADDRESS FOR CORRESPONDENCE:**

For any queries and to send completed registration form

The Coordinator

FDTP on

Intelligent Control of Electric Vehicles,

Department of EEE,

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

(An Autonomous Institution)

Dr. N.G.P. Nagar – Kalapatti Road,  
Coimbatore – 641 048, Tamil Nadu, India.

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