

**Short Term Training Programme on  
"ELECTRIC AND HYBRID ELECTRIC VEHICLE  
TECHNOLOGY"**

**REGISTRATION FORM**

Name : \_\_\_\_\_

Age : \_\_\_\_\_

Designation : \_\_\_\_\_

Institute/Industry: \_\_\_\_\_

Mailing Address : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tel. No : \_\_\_\_\_

e-Mail : \_\_\_\_\_

Qualification : \_\_\_\_\_

Experience : \_\_\_\_\_

ISTE Membership No.: \_\_\_\_\_

Accommodation required : YES/NO

I agree to abide by rules and regulations governing the above STTP.

Date: \_\_\_\_\_ Signature of applicant

**Recommendation of Employer**

The applicant will be permitted to participate in the above program, if selected.

Date: \_\_\_\_\_ Signature  
Name & Designation of  
the Sponsoring Authority with Seal

**PATRONS**

- Rev. Fr. Saturnino Almeida,  
Managing Director, ATEC, Vashi.
- Rev. Fr. L. Dias,  
Procurator, ATEC, Vashi.
- Rev. Fr. Ivon Almeida,  
Assistant Managing Director, ATEC Vashi.

**ADVISORY COMMITTEE**

- Dr. S.M. Khot,  
Principal, Fr. C.R.I.T., Vashi.

**CONVENER**

Dr. Bindu S., Professor & Head,  
Department of Electrical Engineering.  
Mobile: 09819220504  
e-mail: [bindubalu@rediffmail.com](mailto:bindubalu@rediffmail.com)

**COURSE CO-ORDINATOR**

Mrs. Rashmi Kale: 8551801598  
e-mail: [rashmi.kale@fcrit.ac.in](mailto:rashmi.kale@fcrit.ac.in)

**MEMBERS OF ORGANISING COMMITTEE**

- Dr. Sushil Thale Mob: 09869396998
- Mrs Bindu R. Mob: 9769497345

**Department Vision:**

To evolve as a progressive centre for modern technical education in the field of Electrical Engineering to produce self-sustainable professionals through value based education.

**Department Mission:**

- To provide quality education in the areas of Electrical Engineering.
- To collaborate with Industries and Institutes of repute.
- To provide holistic environment for the development of socially responsible citizens.

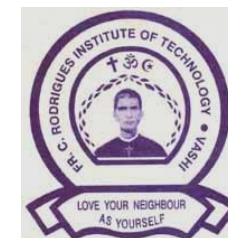
ISTE APPROVED

SHORT TERM TRAINING PROGRAMME

on

**"ELECTRIC AND HYBRID ELECTRIC  
VEHICLE TECHNOLOGY"**

**(June 18<sup>th</sup> -23<sup>rd</sup> , 2018)**



*Organized by*  
**Department of Electrical Engineering**  
**Fr. C. Rodrigues Institute of Technology**  
Sector 9A, Vashi,  
Navi Mumbai – 400 703.  
Phone: 022 27771000 Extn. 339  
Fax: 022 27660619



[www.fcrit.ac.in](http://www.fcrit.ac.in)

## SCOPE OF STTP

In transportation engineering, scarcity of fossil energy resources and the need for alternate energy option have lead designers to look for new and improved designs in electric and hybrid electric vehicle technology. Often, it is a challenge for engineers to design efficient and cost effective systems without compromising the integrity of the system. Electric vehicle engineering is a professional discipline which combines knowledge in electrical and mechanical engineering for the purpose of designing, quantitatively evaluating, predicting, measuring and improving vehicle technology.

This training program intends to impart a general theoretical, practical and design background in the areas of Automobile in Electrical, Electronic , Power Electronic and Mechanical systems. The participants will be introduced to design system and their energy systems. Regulatory and policy issues etc. will also be discussed in the programme.

### IMPORTANT DATES:

Last date to receive application: 31<sup>st</sup> May 2018

Last date for confirmation: 2<sup>nd</sup> June 2018

### REGISTRATION FEE:

For ISTE members: ₹ 3000

The teachers sponsored by respective institutions and others are required to send registration form, duly filled along with a bank demand draft in favor of "Fr. C. Rodrigues Institute of Technology" payable at Vashi, Navimumbai.

## PROFILE OF THE INSTITUTE

Fr. C. Rodrigues Institute of Technology (FrCRIT) is one of the leading academic institutions of Mumbai University. It was established in 1994 at Vashi, Navi Mumbai, as a part of the Agnel Technical Education Complex. Apart from academic excellence the campus is also reputed for its extensive facilities that have led to it being awarded an 'A' grade by the Directorate of Technical Education, Maharashtra right from its inception. All the five UG engineering programmes (Computer, Mechanical, Electrical, Electronics & Telecommunication and Information Technology) of the institute were accredited in August 2012 by the National Board of Accreditation, New Delhi.

The institute is also recognized by the AICTE and is dedicated to fulfilling the following missions:

1. To provide industry oriented quality education.
2. To provide holistic environment for overall personal development.
3. To foster relationship with other institute of repute, alumni and industry.

## ABOUT THE DEPARTMENT

The department offers BE (Electrical Engineering), ME (Power Electronics and Drives) and Ph.D programmes. The department has well-qualified faculty and well equipped laboratories and other infrastructure. The department regularly conducts seminars, project contests and short-term courses for the benefit of students, academicians and industry personnel.

## OBJECTIVES OF THE COURSE

This course aims:

- To give an overview on electric and hybrid electric vehicle technology.
- To provide knowledge on electric drives and energy sources management.
- To impart exposure to the research activities in the transportation engineering.

## COURSE CONTENT

Following topics in engineering research are covered with practical sessions on:

- Battery management and Electric motor drives
- Modelling, simulations and control for electric, hybrid electric and plug in hybrid vehicles.
- Standard, policies and regulations for transportation engineering.

## FACULTY

The speakers will be from IIT Bombay, VJTI, BARC, industry etc. The demo & practical sessions will be conducted by experts from the industry and the institutes.

## ACCOMMODATION

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates. **Note:** Photocopy or downloaded copy of the registration form can also be used

## HOW TO REACH:

Nearest railway terminus	: Vashi Station
Nearest Bus depot	: Vashi Depot
Landmark	: Noor Masjid