

## Faculty Development Programme

on

# “Energy and Power Quality Audit Methodologies”

(11<sup>th</sup>-13<sup>th</sup> DECEMBER 2019)

### REGISTRATION FORM

1. Name:.....
2. Date of Birth:.....
3. Gender:.....
4. Designation:.....
5. Organization:.....
6. Educational Qualification:.....
7. Area of Specialization:.....
8. Address:.....  
.....  
.....
9. Phone:.....
10. E-mail:.....
11. Veg/Non Veg:.....

The details above furnished are true to the best of knowledge. I agree to abide by the rules of this program. If selected I shall participate in the course for the entire duration.

Signature of the applicant

Place:

Date:

### SPONSORSHIP CERTIFICATE

Certified the Mr./Ms.....  
faculty member of this institution and he/she will be  
allowed to participate in the above STTP program if  
selected.

Date:

Signature of  
Sponsoring Authority

(Office Seal)

### ORGANISING COMMITTEE

*Chief Patron*  
**Dr. R. Sasikumar**  
(Director, CAPE)

*President*  
**Dr. Z. A. Zoya**  
(Principal)

*Convenor*  
**Prof. Bindu S J**  
(Associate Professor & HOD)

*Co ordinators*  
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*Organising Committie*  
**Mr. Santhosh Raj R**  
(Assistant Professor)  
**Mrs. Jasna Basheer**  
(Assistant Professor)  
**Mrs. Edwina G Rodrigues**  
(Assistant Professor)  
**Mr. Abilash R S**  
(Assistant Professor)  
**Mrs.Ajeesha S**  
(Assistant Professor)  
**Mrs. Jasmi M S**  
(Assistant Professor)  
**Mr. Renjith G**  
(Assistant Professor)  
**Mr. Kannan S A**  
(Assistant Professor)



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(Sponsored by TEQIP II four funds)

*Organized by*

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## COLLEGE OF ENGINEERING PERUMON

(Under CAPE, established by Govt. of Kerala)  
Perinad P.O. Kollam. Kerala. Pin 691601  
[www.perumonec.ac.in](http://www.perumonec.ac.in)

## ABOUT THE INSTITUTION

College of Engineering Perumon was founded in the year 2000 by the Co-operative Academy of Professional Education (CAPE), which was established by the Government of Kerala. The college offers five undergraduate programs (ME, ECE, EEE, CSE & IT) and one M.Tech course (Computer and Information Science) in affiliation with APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY (KTU) and approved by All India Council for Technical Education (AICTE).

## ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering (NBA accredited during 2019-21) was established in the year 2000 offering four year B.Tech degree program in Electrical and Electronics Engineering. It is provided with good infrastructural facilities like well equipped laboratories, library, well qualified and experienced faculties and technically sounded supporting staffs.

## VISION AND MISSION OF THE DEPARTMENT

### VISION

To be the innovative global leader in technical education and research by providing excellent education in Electrical and Electronics Engineering.

### MISSION

To produce high quality professionals in Electrical and Electronics Engineering who have serious concerns on engineering fundamentals, technological advancements, professional ethics and social value system.



## ABOUT THE PROGRAM

Energy conservation and Power Quality issues are complement to each other. For example, loads used to conserve energy like variable frequency drives and efficient lights with electronic ballasts, in most cases affect power quality. This dilemma will be answered in this course, where the issue between energy conservations and power quality will be expounded and explained. The causes, effects and solutions and more importantly how these solutions can generate savings will be addressed. Therefore, the main objective of this short term course is to give a solid understanding of Energy & Power Quality Audit methodologies in industrial/commercial/residential facilities.

## PROGRAM OVERVIEW

- ❖ Energy audit-Overview
- ❖ Energy management practice in industrial/residential/commercial facilities.
- ❖ Energy audit methodologists
- ❖ Power Quality - importance,
- ❖ Solve different relay Co-ordination
- ❖ Assessment, and Diagnostics Power Quality Monitoring/Reporting Methodologies.
- ❖ Power Quality Standards
- ❖ Impact of Power Quality on Systems and Equipment

- ❖ Power Quality Mitigation Technologies
- ❖ Intelligent Techniques

## RESOURCE PERSON

Sessions will be handled by eminent personalities from Energy Management Centre, Kerala and faculty members from higher learning institution.

## ELIGIBILITY CRITERIA

The program is open to faculty members (EEE/ECE/EIE branch) of AICTE approved engineering colleges, M.Tech Scholars specialization in EEE and personals from reputed industries.

## REGISTRATION FEE

**Rs 500/- for all External Participants**

**Rs.2000/- for participants from Teqip institutions**

## HOW TO REACH

12 km from the KSRTC bus station, Kollam  
13 km from the Railway Station, Kollam  
78 km from Trivandrum International Airport

College will not provide any TA. Accommodation shall be arranged for outstation participants on prior request only.

