

One Day Workshop on  
**Thermal Imaging Technologies in Research,  
Operation and Maintenance in association  
with FLIR & Vamara Techware**

**11<sup>th</sup> August 2017  
Registration Form**

I would like to participate in the seminar

Name :  
Designation :  
Department :  
Organization :  
Communication :  
Address :

Phone/Mobile :  
E-mail id :

I have enclosed DD (in favour of "**The  
Principal, Dr. Mahalingam College of  
Engineering and Technology, Coimbatore**")  
for the amount of Rs.250/ towards registration fees.

DD No. :  
Date :  
Bank :  
Signature of the  
Candidate :  
Signature of the HOD/  
Institution with seal :  
Date :

"Send your registration form on or before  
04.08.2017"

**Organizing Committee**

**Chief Patron:**

**Dr. M. Manickam**

Chairman, MCET

**Patron:**

**Shri. M. Harihara Sudhan**

Correspondent, MCET

**Chairman:**

**Dr. C. Ramaswamy**

Secretary, NIA Educational Institutions

**Co-Chairman:**

**Dr. A. Rathinavelu**

Principal, MCET

**Conveners:**

**Dr. A. Senthilkumar**

Prof & Head/EEE, MCET

**Dr. A. Sakthivel**

Associate Professor/EEE, MCET

**Organizing Secretaries:**

**Dr. M. Kaliamoorthy**

Associate Professor/EEE, MCET

**Ms. L. Chitra**

Assistant Professor(SS) /EEE, MCET

**Committee Members:**

**Ms. N. Krishnaveni, AP/EEE, MCET**

**Mr. D. Gnanaprakasam, AP/EEE, MCET**

**Mr. M. Prabhu Raj, AP/EEE, MCET**

**Ms. R. L. Helen Catherine, AP/EEE, MCET**

**Mr. D. Saravanraj, TA/EEE, MCET**

**Mr. S. Ranganathan, Lecturer/EEE, NPTC**

One Day Workshop on  
**Thermal Imaging Technologies in  
Research, Operation and Maintenance  
in association with FLIR & Vamara  
Techware**

11<sup>th</sup> August 2017

*Organizing by*  
**Centre for Research on Green  
Energy and Environment (CRGEE)  
Department of EEE**



**Dr. MAHALINGAM COLLEGE OF  
ENGINEERING AND TECHNOLOGY**

(An Autonomous Institution)

(Accredited by NBA,

NAAC with 'A' Grade Institution)

Pollachi - 642 003

Coimbatore (Dt), Tamilnadu

Phone: +91-4259-236030/40/50

Fax: +91-4259-236070

Website: [www.mcet.in](http://www.mcet.in)

### Host College

Dr. Mahalingam College of Engineering and Technology (MCET) was established in the year 1998. MCET is a self-financing, co-educational Autonomous institute approved by All India Council for Technical Education (AICTE) and affiliated to Anna University. Six programmes have been accredited by the National Board of Accreditation (NBA). The institution is accredited by NAAC with A grade, New Delhi and ISO 9001:2008 certified by TUV. MCET currently offers 11 UG, 6 PG and 4 Research programmes in Engineering, Technology and Science.

### Host Department

The department of Electrical and Electronics Engineering was established in 2002 and offers B.E (EEE) and M.E (Applied Electronics) programmes, approved by AICTE, affiliated to Anna University & accredited by the NBA. It has been recognized as research centre to have interaction with Anna University for collaborative research programme which leads to Ph.D. The department has experienced faculty members, who are fully committed for teaching and research and dedicated to impart quality education to the students. A wide range of research activities carried out in the department, allow the students to gain contemporary knowledge about real-life problems in the industry.

### About CRGEE

MCET has established CRGEE in 2010 which offers Energy Audit (EA), Thermography Audit and Power Quality Audit services to industries and commercial buildings. We also extend our services in design and installation of Solar Power Plant, SDP in the area of solar energy system, EA and PQ issues and its mitigation techniques.

### About the Workshop

Thermal imagers are devices that translate thermal energy (heat) into visible light in order to analyze a particular object. The image produced is known as a thermogram and is analyzed through a process called thermography. Thermal images can be used for immediate diagnosis or processed through specialized software for further evaluation, accuracy and report output. Thermal imaging cameras take measuring temperature to the next level; instead of getting a number for the temperature you get a picture showing the temperature profile of a surface.

### About FLIR

FLIR Systems is a leading manufacturer of innovative imaging systems that include infrared cameras, aerial broadcast cameras and machine vision systems. FLIR has been supplying thermography and night vision equipment to science, industry, law enforcement and the military for over 50 years. From predictive maintenance, condition monitoring, non-destructive testing, R&D, medical science, security and manufacturing process control, FLIR offers the widest selection of infrared cameras. M/s.Vamara Techware is the authorized supplier of FLIR products in Tamil Nadu & Kerala.

### Objectives

- ◆ To understand the need and potential of thermal imaging
- ◆ To acquire the professional capability
- ◆ To get direct access to thermal imaging experts

### Resource Persons

Sessions will be handled by experts from FLIR Systems & Experts practicing the Thermal Imager for Energy Audit, Maintenance & Safety Audits in Industry

### Topics of Discussion

- ◆ Thermography- Fundamentals & applications
- ◆ Role of IR Cameras in Electrical & Mechanical Predictive Maintenance and its benefits
- ◆ IR Thermal Imaging Technology in building applications, Scientific Research and Bio medical areas
- ◆ Power of Thermal Imaging software in Capture, Analyse, Research, Document IR Images and Radiometric video
- ◆ Industrial case studies using Thermal Imaging Camera

### Target Audience

Academicians, Faculty, Research Scholars, Industry persons and Post graduate students.

### Boarding and Lodging

Boarding and lodging will be provided to the selected candidates in the college campus. Accommodation will be provided in the college hostel to the participants only.

### Address for Communication

**Dr. A. Sakthivel**  
**The Convener**  
**"One Day Workshop on**  
**Thermal Imaging Technologies in Research,**  
**Operation and Maintenance**  
**in association with FLIR & Vamara Techware"**

Department of EEE

Dr.Mahalingam College of  
Engineering and Technology

Udumalai Road, Pollachi-642003, Tamil Nadu

Contact Mobile - 9865282841, 9942162662

Mail id : crgee@drmcet.ac.in