Mepco Schlenk Engineering College, Sivakasi.

Application Form

(Please mail this form with DD to reach before 17 Dec, 2018)

Name :

Gender :

Designation :

Industry/ Institution :

Educational Qualification :

Experience - Industry :

Teaching :

Accommodation needed? : Yes / No

Address for Communication :

Pin code :

Phone (Mobile) :

E-mail ID :

DD No.: **Date:**

Name of Bank:

Amount Rs.:

Signature of the HOD / Head of the Organisation **Participant**

(Xerox copies of the form may also be used)

Who Can Attend?

- ✓ **Safety Professionals.**
- ✓ **Engineers from Industries.**
- ✓ **Faculty and students from Institutions.**

Registration Fee:

- **Industry Personnel : Rs.1000/-**
- **Faculty / Student : Rs. 600/-**

The registration fee shall be paid through a demand draft drawn in favour of "The Principal, Mepco Schlenk Engineering College", payable at Sivakasi.

Accommodation can be arranged for outstation participants on payment basis *(Rs.100/- per day)* on request.

IMPORTANT DATES:

Last date to apply **: 17-12-2018**

Date of intimation **: 18-12-2018**

Filled up Application form with Registration fee is to be sent to:

Mr.M.ANANDHAN,
Asst. Prof. (Sl.Gr.)/ Mechanical Engineering,
Mepco Schlenk Engineering College,
Mepco Engineering College Post - 626 005,
Sivakasi, Virudhunagar District,
Tamil Nadu
Phone : 04562-235651.
Mobile: **9629547150, 9487713307**
9597070914, 9442324535.
E-mail: manandh@mepcoeng.ac.in
manandhanmsec@gmail.com

Tamil Nadu State Council for Science and Technology (TNSCST) Sponsored

National Level Workshop on

"Electrical Safety Testing"

(20th to 22nd DECEMBER 2018)

Co-Ordinators

Mr.M.Anandhan, AP(Sl.)/ MECH.
Dr.A.Allwyn Clarence Asis, AP (Sr.) /EEE.
Mr.M.Muhaidheen, AP (Sr.) /EEE.

Jointly Organised By

DEPARTMENT OF MECH & EEE
MEPCO SCHLENK ENGINEERING COLLEGE
(Autonomous Institution affiliated to Anna University, Chennai)
Mepco Engineering College Post. Sivakasi, Virudhuagar District, Tamil Nadu.

About The Institution:

Mepco Schlenk Engineering College (Autonomous), Sivakasi is one of the leading institutions in India, towering high in academic excellence and research pursuits ever since its inception on 1984. College is accredited with "A" Grade by National Assessment and Accreditation Council (NAAC) of UGC, New Delhi. The Institute offers under graduate programs in 7 disciplines and post graduate programs in 12 specializations. It has collaborations with leading Industrial, Academic and Research organizations in India and abroad.

The college is ISO 9001:2008 certified and all its UG Programs are accredited by NBA under Tier I category. Our College got 12thrank in the ranking of top engineering colleges of eminences at national level categories in the CSR-GHRDC Engineering College survey 2016 and 40thposition in top 100 private T-schools 2016 among all technical institutions in India.

About The co-ordinating Departments:

Department of Mechanical Engineering was established in the year 1993 and offers one UG and one PG programme. It has been recognized as Research Centre to have interaction with Anna University for collaborative research programme which leads to Ph.D. and M.S. degree by research and as Centre of Relevance and Excellence (CORE) on Industrial Safety by DST, TIFAC, New Delhi. The department has under taken 29 projects worth of 3.05 crores from various Govt. and Quasi Govt. Organizations like DRDL, ISRO, DST, AICTE, IEI, MSME, etc.

Department of Electrical and Electronics Engineering offers B.E.(Electrical and Electronics Engineering) since 1984 and M.E. (Power Electronics and Drives) since 2002. It is recognized as research centre for Ph.D. / M.S (by Research) by Anna University. The department has undertaken 9 research projects funded by IGCAR, DRDO, RuTAG, NPOL & IIT worth about Rs.61,13,250/-.

Course Outline:

In the industry or in electrical product business, safety compliance is an important issue for various reasons. In industries workers have to be safe guarded from electrical hazards. In businesses companies want to sell "safe electrical products" so as to avoid company liability issues.On the other handConsumers want to buy safe products so that they won't be exposed to electrical hazards. Improper use ofElectricity can cause shock, flash burns, fire and explosion. Thus it is very much essential to ensure safety by testing the products and installations.

There are number of electrical safety testing techniques (See Training Highlights) that you can practice and implement to prevent electrical accidents. This training is intended to provide comprehensive safety test procedures for electrical appliances and precautionary measures for electrical works during installation and maintenance.

Course Objectives:

- ✓ Be familiar with the fundamental concepts of electrical safety.
- ✓ Be familiar with the effects of electricity on human beings.
- ✓ Be able to conduct Electrical safety tests such as ground fault circuit interruption function test, earth continuity tests, insulation tests, earth resistance tests, etc.
- ✓ Be able to recognize common electrical Hazards and how to mitigate it.
- ✓ Keep ourselves safe while working on or around electrically energized equipment.
- ✓ Personal safety for working on or around electrical systems and equipment.
- ✓ Procedures and safety systems during electrical work
- ✓ Exposure on proper use of Electrical test instruments and protective gear.

Course Contents:

- ✓ Principles of electrical safety
- ✓ Electrical causes of Fire and Explosion
- ✓ Standard tests on electrical safety
- ✓ Development of test bench for electrical safety
- ✓ Electrical standards and legal requirements
- ✓ Electrical fault diagnosis
- ✓ Working in live line and precautions
- ✓ Electrical system for flammable atmosphere
- ✓ Safe system for electrical maintenance.
- ✓ Lightning safety and protection
- ✓ First aid for electrical accidents
- ✓ Personal protective equipment for electrical work
- ✓ Statutory requirements & Case studies.

TRAINING HIGHLIGHTS

Hands on training:

- ✓ Demonstration and Usage of Testing instruments like Megger , Power Quality Analyzer, Multimeter, Clamp meter& etc.,
- ✓ Measurement of Insulation resistance
- ✓ Earth continuity Test
- ✓ Measurement of Earth Resistance
- ✓ Demonstration and practice on Electrical Protective Equipment's like Fuse, MCB, RCCB etc.,
- ✓ Activity on Real-time Electrical Safety Inspection.
- ✓ Lab visit & statutory requirements.