



AHPI-NFE CERTIFIED

Electrical Safety Auditor Course for Hospitals

NFE / AHPI

NFE - NATIONAL FEDERATION OF ENGINEERS FOR ELECTRICAL SAFETY

- Society Registered in chennai a not-for-profit organisation
- An association of engineers working in the field of electrical safety and standardisation,
- Vison - make every electrical installation free of accidents such as electrocution and fire due to short circuits.

AHPI - Association of Healthcare Providers (India)

- It works as "not for profit" organization and advocates with the government, regulatory bodies and other stake holders on issues, which have bearing on enabling its members organizations to deliver appropriate healthcare services to community at large.
- The association functions through an empowered secretariat which facilitates the members organizations in improving their systems, processes and outcomes on continuous basis, in line with the vision, mission and objectives of the association.





Electrical Safety: **Legal Requirement**

- The National Electrical Safety Regulations 2023 called as "Measures relating to Safety and Electric Supply regulations 2023" published on 08 June 2023, made compliance to The National Electrical code of India 2023 mandatory in all medical locations. This compliance is insisted by the Govt of India in order to reduce the accidents such as fire due to short circuit happening in Hospitals and Medical locations.
- Being a legal requirement, compliance to NEC 2023 will be a demand soon by the safety and accreditation agencies involved in medical field.
- AHPI-NFE certified electrical safety auditor course is to train the electrical and bio medical engineers working in hospitals and equip them to carry out safety verifications recommended in NEC 2023 and the related IS/IEC/ISO standards.

What is electrical safety in **Hospitals**

- Medical locations are classified into Group 0, Group 1, and Group 2.
- Safety from electrocution for patients and medical professional are mandatory in general locations and in medical locations.
- Safety from fire is required for the installation and connected electrical and bio medical equipment.

Need of the Course

- To avoid shock hazards and fire in medical locations and hospital premises.
- NABH made electrical safety audits mandatory in hospitals.
- The National Electrical Safety Regulations 2023 of Govt of India made compliance to NEC of India 2023, mandatory in all Hospitals and medical locations.

Content of Training

Modern international practices on electrical and bio medial safety and the recommended practice as per National Electrical Code of India 2023.

Duration and Mode of training

- ✓ 16 hours ONLINE theoretical class.
- ✓ 4 to 6 hours of DIRECT (in a common location) practical class on inspection, testing, maintenance, usage of electrical installation and bio medical appliance.
- ✓ 2 hours examination - ONLINE

Eligibility

- ✓ Any professionals working in Electrical / Electronic / Biomedical engineer in AHPI member hospitals and having and experience of >1 year.

Who will be trained?

Professionals in Hospitals handling Bio Medical equipment and MEP equipment.

Course fee

Rs. 10,000/- per participant + GST

Training Schedule

#	Subject considered in theoretical (16 hours) / practical training (4 hours) and examination (2 hours)	Reference standard
1	Fundamental aspects of safety standards for medical electrical equipment	IEC 60513
2	Type of electrical equipment, Type of medical equipment, Testing, classification, identification, marking and documents of ME & MES, Protection against electrical, mechanical, excessive radiation, temperature hazards from ME equipment. oxygen rich environments	IS 13450-1 (IEC 60601-1)
3	Fundamentals of Electrical safety in general locations including selection of wires, wiring	IS732 / NEC 2023
4	System earthing and equipment earthing & its application for ME equipment and system	IS732 IS13450 IS17512
5	Group 0, Group 1 and group 2 medical locations and safety requirements in the locations	NEC 2023/ IS17512
6	Medical electrical equipment – Recurrent test and test after repair of medical electrical equipment	IEC 62353
7	Verification of Electrical Installation	IS732 NEC 2023
8	Verification of General Installation & safety audits, inspection, and Testing.	IS17512 NEC 2023 P3, S9

Trainers Details

S. Gopa Kumar

member MT40, IEC and ETD 20 BIS

S. Appavoo

Chief Electrical Inspector to
Govt of Tamilnadu (retd).

Krish Theobald

Electrical expert IET, UK.

Amaya Shaji

Bio Medical engineer

Vinoth V

Electrical Testing Specialist

Jay Phadke

Radiation Safety Specialist



- *The course is designed to train working professionals in hospitals who have experience in medical electrical equipment.*
- *Theoretical classes: 16 hours – Through ONLINE, weekly 4 hours on Saturdays / Sundays*
- *Practical: 4 Hours – Onsite training at Mumbai / Chennai / Bangalore / Cochin*
- *Examination and personal interview: 2 hours - ONLINE*

**Course
Starts on
April/May
2024**

**Click Here to
Open Registration Link**



Scan To Register



**For More Details
Contact Us**

P : +91 94456 67901

E : admin@nfees.org

w : www.nfees.org