

EVENT REPORT

AY 2024-2025 / EEE / BIS Standards Club EEE / 02

EVENT DETAILS:

Title	Details
Department	Electrical and Electronics Engineering
Academic Year	AY 2024 – 2025
Convenor	Dr. K. Vijayakumar, Professor Chairperson, School of Electrical and Electronics Engineering
Co-Convenor	Dr. R. Ramya, Dr. D. Ravichandran
Name of the Event	Seminar on “Electrical Safety: Quality and Standards”
Venue of the Event	EEE Conference Hall
Date of the Event	25.02.2025
Participants	EEE Faculty Members Students from B.Tech. EEE III year
Invited Guest	Mr. S. Appavoo , General Secretary, National Federation of Engineers for Electrical Safety , Retired Chief Electrical Inspector, Government of Tamil Nadu
Flow of the Event	Introduction to Guest Guest Talk BIS Batch distribution to Standards Club members Vote of Thanks
SDG related to	SDG 9: Industry, Innovation, and Infrastructure
PO / Course related to	PO8 Ethics / 21EEEC304J Power Systems - II
Benefits / Outcome from the Event	The participants got familiar with National Federation of Engineers for Electrical Safety and its functions. Got familiar with many International and Indian Standards which includes National Electrical Code of India 2023, IS 732-2019, IS 3043, IEC 60898 -1, IEC 60898 - 2, IEC 60269-1, IEC 60497-2, IEC 60479-1, IEC 61936-1.

EVENT IMPLEMENTATION DETAILS:

Support Team:

- BIS Standards Club Faculty Mentors
- BIS Standards Club Office Bearers

Event Brochure:



The brochure is for a seminar organized by the Standards Club of the Department of Electrical and Electronics Engineering at SRM Institute of Science and Technology, Kattankulathur. The seminar is on 'Electrical Safety' and 'Quality and Standards'. The guest speaker is Mr. S. Appavoo, General Secretary of the National Federation of Engineers for Electrical Safety, Retired Chief Electrical Inspector, Government of Tamilnadu. The seminar is on 25.02.2025 at 2 PM in the EEE Simulation Lab-III. The convenor is Dr. K. Vijayakumar, Professor and Chairperson of the School of Electrical and Electronics Engineering. The brochure also features accreditation logos at the bottom, including NAAC, NIRF, QS, THE, CS, and Shanghai Ranking.

SRM
INSTITUTE OF SCIENCE AND TECHNOLOGY
KATTANKULATHUR
COLLEGE OF ENGINEERING AND TECHNOLOGY

**DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING**

STANDARDS CLUB
Organizes Seminar on

Electrical Safety

Quality and Standards

GUEST SPEAKER

Mr. S. Appavoo
General Secretary
National Federation of Engineers for Electrical Safety
Retired Chief Electrical Inspector
Government of Tamilnadu

25.02.2025, 2 PM
EEE SIMULATION LAB-III

Convenor
Dr. K. Vijayakumar
Professor and Chairperson
School of Electrical and Electronics Engineering

TOGETHER WE CAN MAKE A DIFFERENCE

NAAC A++
NIRF (2024) 12th Ranked University
QS (2025) World Ranking one among 40 Indian Universities
THE (2024) World Ranking one among 10 Indian Universities
CS 4★ VERY GOOD
SHANGHAI RANKING (2024) World Ranking Ranked 5-7 in Indian Universities

Event Summary:

The Faculty Mentors, Invited Guest and Student Members assembled in EEE conference Hall at 2.00 PM. Dr. K. Vijayakumar, Professor, Chairperson of SoEEE graced the occasion. Dr. R. Sridhar, HoD/EEE, welcomed the gathering to greet the guest speaker. The Guest speaker delivered his lecture with insights on industry practices and standards.



Mr. S. Appavoo, General Secretary of the National Federation of Engineers for Electrical Safety and Retired Chief Electrical Inspector, Government of Tamil Nadu, emphasized the critical importance of proper earthing and highlighted the widespread lack of understanding on the subject. He elaborated on the standards that should be followed to ensure effective earthing and discussed general electrical safety concerns.

The speaker pointed out that many individuals, despite their confidence in their methods, often unknowingly follow incorrect practices, which can lead to hazardous situations and potential injuries to those around the equipment. The session was insightful and highly informative, covering critical aspects of electrical safety, industry standards, and best practices. Mr. S. Appavoo delivered a compelling talk, raising awareness about the importance of adhering to electrical standards and safety measures. He provided valuable information on regulations and guidelines

that are often overlooked in industries, emphasizing their significance in preventing electrical hazards.

The speaker explained the necessity of proper earthing and how common misconceptions can lead to dangerous situations. His talk included real-life case studies, illustrating the consequences of improper handling of electrical equipment and reinforcing the importance of established safety standards.

The session was beneficial for students for those aiming to work at the industrial level. It provided practical knowledge that will help them in academic projects and future professional roles.



In the photograph, the leftmost standing is Dr. D. Ravichandran, Faculty, EEE, Next to him is Dr. R. Ramya, Faculty Mentor, Standards Club followed by Student members of Standards Club Pinaki mandal, beside Pinaki mandal is Ishita Khare, and next to her stands Kousalya Muthuvelu natesan. On Kousalya Muthuvelu natesan left is Soham Anil Kumar, who is standing beside Janani Pillai, On Janani Pillai left is Mayank Umrey and then Dr. R. Sridhar, Head of the Department, EEE. In the front row, in the middle who sitting is Mr. S. Appavoo, Guest Speaker and his team with Dr. K. Vijayakumar, Professor and Chairperson, SoEEE to his second Right.



In the photograph, Electrical team of SRMIST with Chief Guest

The guest speaker presented BIS badges to the club members and offered words of encouragement.



Student members of the Standards Club and their designated roles:

Role	Name of the Student
Secretary	Mayank Umrey
The Associate Secretary	Kousalya Muthuvelu natesan
Treasurer	Janani Pillai
Technical Lead	Soham Anil Kumar
The Event Coordinators	Pinaki mandal Ishita Khare

Finally, Dr. R. Ramya, Faculty Mentor, Standards Club extended her thanks to the attendees and Guest invitees from NFEES and SRMIST KTR.

Post Event:

Post Quiz was conducted for the participants as a reflection of the event.

Post Quiz - Seminar on "Electrical Safety: Quality and Standards"

Course Code: 21EEEC304J

Course Name: Power Systems - II

Program Outcome: PO8 Ethics

Event name: Seminar on "Electrical Safety: Quality and Standards"

Event Date: 25.02.2025

Event hosted by: BIS Standards Club EEE

Event Speaker: Mr. S. Appavoo, General Secretary, National Federation of Engineers for Electrical Safety, Retired Chief Electrical Inspector, Government of Tamil Nadu

* Indicates required question

Email *

☐ Record ramyar4@srmist.edu.in as the email to be included with my response

Register Number of the Student *

(Example: RA2211005010035)

Which international standard specifies fault loop impedance requirements? *

(Bloom's Level: Remembering)

- ☐ IS 3043
- ☐ IEC 61936
- ☐ IS 732
- ☐ IEC 60269

What is the purpose of earthing in electrical systems? *

(Bloom's Level: Understanding)

- ☐ Reduce power consumption
- ☐ Provide a low-impedance fault return path
- ☐ Enhance voltage levels
- ☐ Improve energy efficiency

Name of the Student *

Your answer

What is the primary objective of electrical safety measures? *

(Bloom's Level: Remembering)

- ☐ To increase electricity consumption
- ☐ To ensure the safety of human beings, animals, and property
- ☐ To improve electrical efficiency only
- ☐ To reduce electricity costs

Which regulatory body is responsible for prescribing electrical safety measures in India? *

(Bloom's Level: Understanding)

According to IEC/TR 61000-3-6, electromagnetic compatibility (EMC) ensures: *

(Bloom's Level: Applying)

- ☐ Electrical systems do not emit harmful disturbances
- ☐ Power loss is minimized
- ☐ Voltage remains stable
- ☐ Conductors are properly grounded

According to IS 732, which test is conducted to ensure proper earthing connections? *

(Bloom's Level: Applying)

- ☐ Insulation Resistance Test
- ☐ Fault Loop Impedance Test
- ☐ Phase Sequence Test
- ☐ High Voltage Test

Outcome of the Event:

The participants had the opportunity to learn about the National Federation of Engineers for Electrical Safety and its functions. Got familiar with many International and Indian Standards which includes National Electrical Code of India 2023, IS 732-2019, IS 3043, IEC 60898 -1, IEC 60898 - 2, IEC 60269-1, IEC 60497-2, IEC 60479-1, IEC 61936-1.



Signature of the Faculty Mentor