



सत्यमेव जयते

Ministry of Electronics and Information Technology
Government of India

A Five-Day Hands-On Training on
High Power Electromagnetics
-Theory, Realization and Compliance.



About SAMEER:

SAMEER (Society for Applied Microwave Electronics Engineering and Research) was established in 1984 by Ministry of Electronics & Information Technology (MeitY), Government of India. It is the pioneer in the country in the domain of Electromagnetic Interference & Compatibility(EMI/EMC). It has its headquarters at Mumbai and four centres at Chennai, Kolkata, Visakhapatnam and Guwahati. It provides comprehensive EMP and EMI test, measurement, design consultancy, training and research services to Indian and International agencies & industries. SAMEER CE3 Visakhapatnam established the state of art facilities Viz. Electromagnetic pulse (EMP) Pulsed Current Injection(PCI) and Ultra Wide Band(UWB) for HEMP Compliance. Highly specialized EMP facility is largest and first of its kind in the country. Centre has other facilities like 10-meter RF Semi-Anechoic chamber for EMI/EMC qualification of military and commercial products. Centre Housed Latest CS117 (as per MIL STD 461G and DO 160) and CS118 generators for evaluating the Defence and Aerospace products against Indirect Lightning and Electrostatic Discharge. SAMEER CE3 has dedicated In-Situ and 3D EM modelling Laboratories with the advanced hardware and Software tools to simulate the real time electromagnetic problems in wide areas covering electrically complex systems to large structures.

Registration Details:

- Online link: <https://shorturl.at/FQSVY>
- Last date for registration with fee : 15th November '23
- Fee can be paid either through QR Code or to bank account

Training Overview:

A 5-day Hands-On training is being organized to introduce and demonstrate the concepts, Competence in Realization, and Compliance measurements of High-power Electromagnetics and Electromagnetic Interference & compatibility for all the attending professionals from various Industries, Research Organizations and Academic institutions. The training will be conducted for five days with the conceptual lectures on HEMP and Latest EMI/EMC advancements from experienced scientists of SAMEER, followed by practical demonstrations on highly specialized facilities viz., EMP/PCI/UWB & EMI/EMC measurements and concepts as per the training schedule. All the participants will have a great technical experience with the demonstrations on highly specialized facilities like EMP, PCI and UWB which are available at very few locations world-wide. This Training covers practical demonstration of Latest Compliance requirements(CS117-Indirect-lightening & CS118-Electrostatic Discharge) as per MIL STD 461G/DO160 for Defence and Aerospace products.

Payment Details:

Account No. 00000033954630614,
IFSC Code: SBIN0004362
Bank: State Bank Of India
Account Name : Sameer Centre
For Electromagnetic
Environmental Effects (E3)

SCAN & PAY



Delegates Fee: Rs.20,000 + GST(18%)= 23,600/-

Training Schedule:

Organized by
SAMEER CE3

Date	Morning Session	Afternoon Session
04/12/2023	1. Registration & Inauguration 2. Introduction to EMI/EMC Concepts & Advancements	1. EMI/EMC Standards with latest updates 2. SAMEER CE3 Campus tour
05/12/2023	1. India's Largest Electromagnetic Pulse System-Theory & its realization	1. Practical Demonstration of EMP Compliance and Hardening for Defence Products
06/12/2023	1. HEMP Hardening of Electrical Point of Entries(PoE's) 2. IEMI immunity Assessments of Critical Infrastructure	1. Practical Demonstration of Electrical PoE HEMP Compliance 2. IEMI Immunity assessment of the critical Facility
07/12/2023	1. Qualification methodology of HEMP shielded facility	1. Practical demonstration on facility HEMP shield validation.
08/12/2023	1. Keynote Address by Chief Guest 2. Latest MIL EMI/EMC measurements (CS117 Lightning & CS118-ESD) as per MIL-STD-461G.	1. Practical demonstration of EMI/EMC measurements including CS117 2. Valedictory & Certificate Distribution

Dates : 04-08, December-2023.

Time: 10:00 A.M. to 5:00 P.M.

Location: SAMEER Visakhapatnam

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Email: sce3wsc@gmail.com





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HEMP and EMI/EMC Facilities
@SAMEER CE3 Visakhapatnam
The Pioneer in the Country in the domain of EMP and EMI/EMC



10-meter RF Shielded Semi-Anechoic Chamber for EMI/EMC Measurements for Military and Commercial



In-Situ EMI/EMC Test facilities for testing the bulky equipment at its original location



India's Largest Outdoor EMP facility for assessing the immunity against Electromagnetic Pulse



Pulsed Current Injection (PCI) facility for evaluating HEMP Filters for point of entry protection



Ultra Wide Band (UWB) facility for assessing the immunity against IEMI



Facilities for evaluating the immunity against Lightning & Electrostatic Discharge

