

Program Schedule of Workshop

“Pre-Compliance and Full-Compliance EMC Testing Techniques”

Organized by

EMI/EMC & Electrical Safety Test Facility, Department of Electrical Engineering, IIT Kanpur (24.03.2025 – 26.03.2025)

Venue: PBCEC-VH, IIT Kanpur

Time (IST)	Name of Instructor	Topic
DAY – 1: Monday, March 24, 2025		
09:00 – 09:45	REGISTRATION	
09:45 – 11:15	Prof. M J Akhtar, IIT Kanpur	Overview of the EMC Testing Techniques
11:15 – 11:45	TEA BREAK	
11:45 – 13:00	Prof. A R Harish, IIT Kanpur	RF Antennas for Radiated Emission Measurement
13:00 – 14:15	LUNCH BREAK	
14:15 – 15:15	Rakesh Roshan, IIT Kanpur	EMC Standards for Radiated Emission – CISPR 11, CISPR 15, CISPR 32, CISPR 16-2-3
15:15 – 16:15	Dr. Seema Awasthi, IIT Kanpur	EMC Standards for Medical Applications – IEC 60601-1-2
16:15 – 16:45	TEA BREAK	
16:45 – 17:30	M. G. Sathyendra, Qmart -Global	Compliance Criteria for Medical Devices – Safety, EMC, Risk Management
DAY – 2: Tuesday, March 25, 2025		
10:00 – 11:15	Inauguration of the Facility and Tour of EMC Chamber	
11:15-11:45	HIGH TEA	

11:45 – 13:00	Tapesh Gautam, QUALSYS	Conducted RF Immunity Testing: Approach and Challenges IEC 61000-4-6 (Lecture + Demonstration, DJ Building)
13:00 – 14:15	LUNCH BREAK	
14:15 – 15:15	Prof. M J Akhtar, IIT Kanpur	Conducted Emission, LISN Network and Filter Topology – CISPR 11
15:15 – 16:00	M. G. Sathyendra, Qmart -Global	Overview of the mandatory IMDR 2017, EU MDR, and FDA
16:00 – 16:15	TEA BREAK	
16: 15 – 17:15	Prof. A R Harish, IIT Kanpur	EMC Standards for Radiated Susceptibility – IEC 61000-4-3
17:15 – 18:00	Rakesh Roshan, IIT Kanpur	Testing and Installation of EMC Semi-Anechoic Chamber
19:30 – 22:00	WORKSHOP DINNER	
DAY – 3: Wednesday, March 26, 2025		
09:30 – 10:15	Prof. M J Akhtar, IIT Kanpur	FSS and Nanocomposites based Hybrid Structures for EMI Shielding
10:15 – 11:45	Dr. D C Pande, DRDO-LRDE	EMC Aspects in Aerospace Systems
11:45 – 12:00	TEA BREAK	
12:00 – 13:00	Sudheer Bishnoi, BIS	Understanding Role of Standards in the field of EMI/EMC
13:00 – 14:15	LUNCH BREAK	
14:15 – 16:15	Live Demonstration – EMC Test Facility (DJ Building, IIT Kanpur)	
16:15 – 16:45	Closing Remarks and Certificate Distribution	
16:45 – 17:30	High Tea	