



# Hello EMI & EMC!!

## Learn to Detect and Decode

### Two-weeks Training Program

26 Jul - 06 Aug 2021 on ZOOM

<http://doe.cusat.ac.in/>



Tektronix®

Convergent Technologies India Pvt. Ltd.



#### WEEK 1

Date and Time		Session
26 <sup>th</sup> July 2021, Mon	1530 – 1600hrs	<b>Inauguration</b>
	1600 – 1800hrs	<b>Dr. Syarfa Zahirah Sapuan</b> , Universiti Tun Hussein Onn, Malaysia <b>Topic:</b> Electromagnetic Compatibility (EMC) - Concepts, Standards and Test Methods
27 <sup>th</sup> July 2021, Tues 1600 – 1800hrs		<b>Tektronix – Convergent Technologies Handson</b> - Introduction to EMI/EMC   Over view of RSA518A, EDUFL-SVPC and all components, EMCVU, etc. its basics and measurement algorithm, basic operation, menus, graphs
28 <sup>th</sup> July 2021, Wed 1600 – 1800hrs		<b>Tektronix – Convergent Technologies</b> - Demo on Conducted Emission Measurement   Overview of Antennas
29 <sup>th</sup> July 2021, Thurs 1600 – 1800hrs		<b>Tektronix – Convergent Technologies</b> - Demo on Radiated Emission Measurement
30 <sup>th</sup> July 2021, Fri 1600 – 1800hrs		<b>Shri. Sandeep M. Satav</b> , Research Centre Imarat, DRDO, Hyderabad. <b>Topic:</b> EMI-EMC in Defence Sector - An Introduction
31 <sup>th</sup> July 2021, Sat 1000 – 1600hrs		<b>Dassault Systemes – Jyoti Electronics – Handson</b> - CST Microwave software for 3D EMI/ EMC simulation

#### WEEK 2

Date and Time		Session
2 <sup>nd</sup> Aug 2021, Mon 1600 – 1800hrs		<b>Shri. Vineesh S and Shri. Kranti Kumar Chikkam</b> Bosch India, Bengaluru <b>Topic:</b> EMC for safe, Automated, Electrified & Connected Mobility
3 <sup>rd</sup> Aug 2021, Tues 1600 – 1800hrs		<b>Shri. Saji Chandrachood</b> , VSSC, ISRO, Trivandrum <b>Topic:</b> EMI/EMC Test Philosophies and Practices for Space Systems
4 <sup>th</sup> Aug 2021, Wed 1600 – 1800hrs		<b>Shri. Salil P.</b> , EMI/EMC Division, SAMEER Centre for Electromagnetics, Chennai. <b>Topic:</b> Shielding for Electromagnetic Compatibility
5 <sup>th</sup> Aug 2021, Thur	1600 – 1700hrs	<b>Lt. Col. R K Mishra (Retd.)</b> , EMI/EMC Consultant, Mumbai. <b>Topic:</b> Relevance of EMI/EMC in Armed Forces and Industry, Indian Defence Procurement Clause/requirement for EMI/EMC and EMI/EMC Trials by Indian Army.
	1700 – 1800hrs	<b>Dr. Thomaskutty Mathew</b> , GITAM School of Science, Bangalore. <b>Topic:</b> Active Probes for Electromagnetic Near Field Measurement.
6 <sup>th</sup> Aug 2021, Fri	1600 – 1715hrs	<b>Shri. Kannan Dhamodaran</b> , R&D Engineering and Product Regulatory Compliance, Tejas Networks Bangalore. <b>Topic:</b> EMI / EMC in Telecommunication, Case study of Real world immunity issues in Telecom installations and best practices
	1715– 1800hrs	<b>Dr. Praveen Kumar A. V.</b> , BITS, Pilani. Developing and Teaching a course on EMI/EMC & Feedback