



Training course on Electromagnetic Compatibility

Conference Hall
GNIT
157/F Nilgunj Road, Sodepur
Kolkata-700114

EMC has become a topic of extreme concern of manufacturers and users of electronic products today in the Global Market. Design of an electronic equipment to comply with National / International EMC Standards calls for the reduction of unwanted emissions, as well as to increase its immunity to external EMI. Undesired emissions may originate from the equipment at the component, PCB and enclosure levels. This may complicate the operation due to inadequate grounding, bonding, filtering or shielding of components and PCBs.

EMC Design of an electronic equipment therefore needs to be tackled in a systematic manner with a factual knowledge of interference spectrum, both internally generated and those received from outside.

This course aims at imparting knowledge essential to evolve EMC Design options that are

practically realizable in the design stage such that the equipment meets EMC Standards for trouble free operation and export.

You will learn:

- *EMC Standards
- *EMC Coupling
- *EMC Design by
 - Grounding & Bonding
 - Shielding
 - Transient & ESD Suppression
 - Filtering
 - PCB Design

Who should attend

R&D Engineers & Managers
Production Engineers
Academicians
Test & Evaluation Engineers

About GNIT

GNIT was established by JIS Group Education Initiatives Under West Bengal University of Technology in 2003 and offering Engg, UG and PG courses.

EMC Consultant/Trainer

DR SISIR KUMAR DAS, M.Tech, Ph.D, SMIEEE has 35 years practical and Theoretical experience in the field of EMI/EMC, Antennas, and Microwaves. **Nearly 100 EMC consultancy services has been offered during his work in the EMC Division at SAMEER- Centre for Electromagnetic, in the Min. of Com. & IT, Govt. of India and till**

today at GNIT. He is now operating his work from GNIT after retirement in 2007 from SAMEER. With this experience he **offers comprehensive consultancy, training, engineering and Research & Development Services** to user agencies and industries in India and abroad in EMC and allied areas:

Training Schedule

Day-1

- Fundamentals of EMI/EMC & Stds.
- Grounding & Bonding
- Filtering Techniques
- Electric transients/ESD & their suppression techniques

Day-2

- Shielding techniques
- EMC Design of PCB
- Discussions

Registration Information

- * Rs.4,000 /- for single registration (Rs.1000 /- for registrants from Academic Institutions).
- * Discount of Rs.500/- per additional participant from the same organization(for advance registration only).
- * Fee includes the cost of session, lunch, snacks and course materials.
- * Spot registration may be accepted subject to prior intimation without any discount.

How to apply

Full payment is required for your registration. Please make payment by Crossed DD in favour of "**GURU NANAK INSTITUTE OF TECHNOLOGY**" payable at **Kolkata**, and mail it along with your registration form.

Please Contact:**Dr. Sisir Kumar Das****Dean-Research & Administration****GNIT****157/F Nilgunj Road, Sodepur****Kolkata-700114*****Email*** :< dean_gnit@jisgroup.com>