

## Designing of Products as per EMI / EMC Compliances Workshop

This 2 day comprehensive workshop is aimed to address all the Key elements of EMI EMC and shall be covering Fundamental Principles of EMC, Standards and Measurement, EMI Control Techniques and Product Design with EMC.

If you are a design engineer, technician, EMC Specialist or even a fresher and are trying to master the subject of Designing products as per EMI / EMC Compliances then this program shall make you ready with all the information required on how and why EMI testing is conducted, its regular causes of failure and much more...

The faculty for this Program is a veteran in this field and has more than 23 years of experience in EMC Testing and Design consultancy with immense experience catering to both Indian and Overseas customers. He can be termed as one of the Prides of India in EMI EMC domain and has organised many programs till date for major companies

**EMI / EMC**  
**2 DAY WORK SHOP**



### Course Outline:

- ✓ Basic understanding and fundamentals of the EMI/EMC
- ✓ Introduction to basic EMI/EMC standards, source, path, receptor and measurements
- ✓ EMI controlling techniques
- ✓ Capacitive and Magnetic Shielding and Shield Grounding
- ✓ EMI regulations and Issues
- ✓ Conducting an EMI Test
- ✓ Conducted and Radiate
- ✓ Design for Immunity
- ✓ Switching Mode Power Supplies (SMPS)
- ✓ EMI controlling techniques for ESD, transient
- ✓ Design approach for managing EMI/EMC
- ✓ Emission control techniques
- ✓ Susceptibility control techniques
- ✓ Shielding vs. Filtering

### Course Outcome:

- ✓ Understanding of EMI EMC
- ✓ Knowledge of examining and identifying ways to prevent EMI/EMC problems regarding power supplies, cables, connectors, slots, discontinuity of ground planes and antenna loops
- ✓ To provide a compliant radiation/susceptibility product
- ✓ Understanding of methods to design products for compliance to EMI & EMC requirements
- ✓ International standards on EMI & EMC regulations as in the U.S., the European Union and Asia

### Methodology:

- # Class Room and Instructor led training # Case Studies
- # Intensive Question and Answers Sessions # Group Discussions

**TnQS Special Offer**  
**For every 3 nominations**  
**get**  
**1 nomination free**

### Professional Fee:

**INR 11,000 (Per Participant) for 2 Days**  
(Fee includes Online Training Material, Tea and Snacks, Buffet Lunch, Pens and Scribbling Pads)

#### Venue

*To be informed to the confirmed participants*

**Please Contact / E-Mail your Confirmations to**  
Vindhya – 9491648812 [services@tnqs.in](mailto:services@tnqs.in)

### Who Should Attend?

- ✓ Digital logic engineers and system architects
- ✓ Electrical and Electronics Engineers
- ✓ Medical Devices companies
- ✓ R&D Engineers
- ✓ PCB layout professionals
- ✓ IC designers
- ✓ Applications Engineers
- ✓ Engineering and project Managers
- ✓ EMC specialists
- ✓ Technicians
- ✓ Senior Lab technicians

### Brief Introduction of TnQS

**TnQS (Registered as RELEVANT TRAINING AND QUALITY SOLUTIONS)** has been established in India (Hyderabad) with an aim to achieve global identity as India's major Organization to bring paramount solutions for Quality Management Systems and Product Safety of Worldwide Standards.

With a spectrum of well-versed and experienced backup of more than **60 distinguished auditors**, We put forward our Training and Consulting services for **ISO 9001, ISO 14001, ISO/TS 16949, HACCP, ISO 22000, ISO 27001, BS 7799, SA 8000, OHSAS 18001, WHO-GMP, GLP, GPP, CE Mark, PED, ADW 2000, FAMIQS, NAAC, NBA, EMI / EMC Training, Lean Manufacturing and Process Improvement etc.** not only across India but also to Middle East and ASEAN countries

**E-Certification from TnQS**