



Introduction To Electromagnetic Interference (EMI) & Compliance

Preamble :

Electronic gadgets have proliferated in every area of our day to day lives. Incorporation of switching devices within circuits have led to faster responses and attractive performances of product. These have however resulted in such problems like **Electromagnetic Interference (EMI)**. Testing and proper design has therefore become essential to ensure **Electromagnetic Compatibility (EMC)**. EMI/EMC awareness is increasing day by day and many industries and government departments are demanding EMI compliant products. Moreover, EMI/EMC compliance is an essential requirement of various international certifications like CE Marking.

Objective :

This course makes engineers / professionals to understand EMI fundamentals, EMI testing, standards and its importance in the design of various products. Participants are given brief practical overview through visit to EMI/ EMC labs.

Duration : 2 Working Days

COURSE CONTENTS :-

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| ✚ Fundamentals of EMI | ✚ EMI Standards |
| ✚ How interference occurs in the electromagnetic spectrum | ✚ EMI Environments |
| ✚ Travel of interferences by conduction and radiation | ✚ EMI Measurements |
| ✚ Effect of interferences on Electronic and Electrical Devices / Systems | ✚ Overview of EMC Design such as Grounding / Bonding, Shielding, Filtering & Cable Routing etc. |

Who should Attend :

Managers, Engineers involved in Design, Production & Quality Assurance of Electronics, Electrical, Electromechanical, Computers, Telecommunication, Medical Electronics, Power Electronics, Lighting Equipments & I.T. Products and of Automobile Industry etc for Electromagnetic Compatibility.

At the end of course, participants are awarded a "Certificate of Participation"