

Quality Performance evaluation of **PRINTED CIRCUIT BOARDS**

DETAILS

Electronics has become an indispensable partner of modern day as it finds its application in all activities of human life from Children's toys to Equipment used in Space applications.

IPC Standards provides guidelines for the design, manufacturing and evaluation processes followed by the companies in the Electronic Manufacturing supply chain.

Printed circuit boards are basic hardware and considered as backbone of the Electronic Devices as they provide Mechanical Support to the Electronic Devices in the circuit and connect them electrically through the conductive traces.

IPC standards are highly focused on the needs of the Electronic Industry and provide Best Practices of manufacturing an Electronic Product and are followed globally by Designers, PCB Manufacturers, Assembly houses and OEMs across the Electronic Industry to **BUILD ELECTRONICS BETTER**

This training course focuses on the Performance Evaluation & Inspection of Rigid PCBs as per the applicable IPC Standards.

WHO CAN PARTICIPATE

Operator, Inspectors and Freshers in the PCB fabrication & EMS facilities.

MODE OF TRAINING

Instructor-led available through IPC India Skill Center, Bengaluru/In-house training.

INSTRUCTOR

Master IPC Trainer (MIT) or Certified IPC Trainer (CIT)

BENEFITS OF PARTICIPATION

This training course will help the participants to understand the types of PCBs and their performance characteristics & evaluation of the Quality. They get to know and understand the different performance /Quality requirements, various terminologies and criteria associated as per the applicable IPC Standards. This will further help them for the globally recognized CIS/CIT certifications. Freshers once going through the course can start their work with confidence after joining the industry.

SYLLABUS

- Introduction to the course
- PCB Standards, Classification
- Types of PCBs
- Acceptance and Performance Evaluation of PCBs- Externally Observable Characteristics
- Acceptance & Performance Evaluation of PCBs- Internally Observable Characteristics
- Qualification & Evaluation tests
- Q & A Session

Duration: 1 full day (9 AM to 5.15 PM)

Schedule for Quality Performance evaluation of Printed Circuit Boards

Session No	Session Name	Duration	Time	Description
1	Registration & Introduction	0:30	9.00 – 9.30 AM	Introduction of participants
	General Overview of the Course	0:15	9.30 – 9.45 AM	General overview of the course
Break 0:15 mins				
2	Introduction of the Standards PCB Standards, Classification Types of PCBs Acceptance and Performance Evaluation of PCBs	3:00	10.00 AM – 1 PM	PCB Standards Types of PCBS Externally Observable Characteristics
Break 0:45 mins				
3	Acceptance and Performance Evaluation of PCBs	3:15	1:45 – 5:00 PM	Internally Observable Characteristics
4	Qualification & Testing. Q & A.	0:15	5:00 – 5:15 PM	Internally Observable Characteristics

IMPORTANT NOTES

- Minimum batch size should be 10
- Session can be organized on Saturdays
- Participation certificate shall be provided to the candidates
- The course contents and materials are IPC USA Copyright. Copy & sharing not permitted
- Training other than Bengaluru travel cost of the trainer and accommodation should be borne by company

For details contact to :

www.ipc.org/ipc-india-regional-team

www.ipc.org