

Practical PCB Design

Intensive, two day, course with tutorials, CAD & manual exercises

Who may find this course useful?

This course is useful for Electronics graduates & technicians starting careers in electronics design, for entrepreneurs planning self employment in PCB design & manufacturing, for those connected with electronics production, for electronics hobbyists.

Objectives of this course :

- understanding design steps - from schematic capture to PCB layout
- learning PCB design considerations and rules,
- developing skills in PCB design : component placement & routing

Course Overview: Tutorials & exercises :

Elements of PCBs :

Design steps

Schematic capture : hands-on exercises

Component Libraries : component symbols, packagings & footprints

Design considerations : signal integrity, thermal, interferences, crosstalks

PCB materials

PCB layout planning

Component placement & routing : hands-on exercises

Design output for CAM (computer aided manufacture)

Course dates and fees on enquiry.

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