

PCB

Training Details

Course Code	: HCCC73
Course Name	: PCB
Duration	: 2 Months
Eligibility	: Diploma / BE / ME / EIE / EEE / ECE


Syllabus:

Printed Circuit Board (PCB)

INTRODUCTION TO PCB

- PCB COMPONENTS & SYMBOLS
- ADVANTAGES OF PCB
- APPLICATION OF PCB BASIC COMPONENTS RESISTOR
- RESISTOR COLOR CODING & IDENTIFYING
- RESISTOR CONNECTION FORMULA CAPACITOR
- TYPES OF CAPACITOR
- CAPACITOR CONNECTION FORMULA TRANSISTOR
- TYPES OF TRANSISTOR • EXPLANATION OF TRANSISTOR & SYMBOL DIODES

Address:
163 C/1, First Floor, Kamarajar Salai,
NP TVS Showroom Opp., Ganesh Theatre Signal,
Santha Pettai Bus Stop Near,
Madurai – 625 009.

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- TYPES OF DIODES • EXPLANATION OF DIODES & SYMBOL INTEGRATED CIRCUITS
- TYPES OF IC'S
- EXPLANATION OF INTEGRATED CIRCUITS ,GATES
- TYPES OF GATES • EXPLANATION OF LOGIC GATES
- POWER SUPPLIES • SWITCHES SENSOR
- TYPES OF SENSOR • EXPLANATION OF SENSOR
- TRANSDUCER • DETECTOR PCB SOFTWARE INTRODUCTION
- PCB LAYOUT DESIGN STEPS
- INTRODUCTION OF WINQCAD 37.0 BY (MICROCAD)
- CREATE A PROJECT • SELECT A PROJECT SCHEMATIC EDIT : (SELECT PART) • ANALOG
- ATMEL
- CMOS
- CONNECTOR
- DESIGN • DEVIES
- MATERIALS OF PCB
- COPPER CLAD BOARD
- PADS
- VIAS
- TRACES
- TOP METAL LAYER
- BOTTOM METAL LAYER
- AUTO ROUTE
- HAND ROUTE

Practical

EXCERCISE1: POWER SUPPLY DESIGN

- FIXED POWER SUPPLY
- DUAL POWER SUPPLY
- VARIABLE POWER SUPPLY

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- EXCERCISE2:HOME APPLICATION BASED PROJECT DESIGN
- RAIN DETECTOR ALARM
- PLANT DRY INDICATOR
- REMOTE CONTROLLED HOME APPLIANCES, etc...

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