

## SMT ELECTRONICS SYLLABUS

SESSION	DESCRIPTION	CLASS
1	<b>Basic electronics</b> introduction what is difference between electrical and electronics What is current and volt? What is difference between AC and DC? AC current/volt-DC current /volt Difference between normal electronics and SMT electronics What is multimeter? How use multimeter?	theory /practical
2	<b>RESISTOR</b> What is resistor and its working function? Types of resistor Resistor colour coding Difference between normal resistor and SMT resistor How find smd resistor value? And its checking method	theory /practical
3	<b>CAPACITOR</b> What is capacitor and its working function? Types of capacitor Difference between normal capacitor and SMT capacitor How find capacitor value? And its checking method	theory /practical
	Student soldering practical-resistor and capacitor	practical
4	<b>INDUCTOR AND TRANSFORMER</b> What is inductor and its working function? Types of inductor Inductor checking method What is transformer and its working function? Types of transformer transformer checking method	theory /practical
5	<b>DIODE</b> What is diode and its working function? Types of diode Difference between normal diode and SMT diode diode checking method	theory /practical
6	<b>TRANSISTOR</b> What is transistor and its working function? Types of transistor-mosfet,Fet,PNP and NPN Difference between normal transistor and SMT transistor transistor checking method	theory /practical
	Students soldering practice Mosfet and diode	practical
7	<b>Integrated circuits [IC]</b> What is ic ? and its working function? Types of ic Various packages of ic Smd double side ic removing and fixing by using SMD REWORK STATION Smd four side ic removing and fixing by using SMD REWORK STATION	theory /practical

