

LCD / LED TV TRAINING SYLLABUS

SESSION	DESCRIPTION	
WEEK-1		
1	<p><u>SESSION-1</u> Introduction - What is LCD&LED TV? Types of LCD & LED TV What is the difference between them? How TV works? Explanations about various section and parts in side & outside of the TV Student Practical: TV Assembling & Disassembling</p>	
2	<p><u>SESSION-2</u> Explanations of Block diagram and Working principle- LCD TV & LED TV Student Practical: Various Boards and parts Assembling & Disassembling</p>	
3	<p><u>SESSION-3</u> Introduction What is Electronics - Difference between Electrical & Electronics? AC & DC Voltage - Current Type of materials Conductor – Insulator-Semiconductors Explanations of Basic components of Electronics. Type of components List of components.</p>	
	<p>Resistor: Explanations Types of Resistor - Working function - Color Coding of Resistor How to find out Resistor value. Difference between normal & SMT Capacitor: Explanation Type of Capacitor - Working function How to find out Capacitor value. Difference between normal & SMT Capacitor Student Practical: Checking Method & count the value for Normal & SMT Resistor Checking Method & Count the value for Normal & SMT Capacitor Inductor Transformer: Explanations Types of Transformer - Working function Difference between Inductor Transformer Normal & SMT Student Practical: Checking Method Inductor Transformer Normal & SMT</p>	
WEEK-2		
4	<p><u>SESSION-4</u> Diode: Explanations Type of Diode - Working function Difference between normal & SMT Diode</p>	Tips

	<p>Transistor: Explanations. Type of Transistor – Working function Difference between normal & SMT Transistor.</p> <p>FET: Explanations. Type of FET – Working function Difference between normal & SMT. FET</p> <p>Student Practical: Checking Method for Normal & SMT DIODE Checking Method for Normal & SMT Transistor Checking Method for Normal & SMT FET</p> <p>IC: Explanations. Type of IC's – Working function Difference between normal & SMT</p> <p>Student Practical: Checking Method for normal & SMT</p>	
5	<p><u>SESSION-5</u> Solder & Desolder: Explanations</p> <p>Student Practical: Solder & Desolder of Normal & SMT various Components and Connector using by Normal solder Iron & Hot air gun.</p>	
WEEK-3		
6	<p><u>SESSION-6</u> Power Supply: Explanations of Block diagram and circuit diagram and Working principle of Basic SMPS Power supply</p> <p>Student Practical: O/P Voltage Checking and circuit tracing of different type of SMPS Power supply various components and Connector Solder & desolder for Rectifying power problem.</p>	Practical
7	<p><u>SESSION-7</u> Explanations of Main Board Block diagram and Circuit diagram Working principle & Circuit Tracing of Main Board (OR) Logic Board</p> <p>Student Practical: Circuit Tracing and Voltage checking every section in Main Board (OR) Logic Board</p>	
WEEK-4		
8	<p><u>SESSION-8</u> Explanations & Working principle & Connector Voltage and checking Method of LCD screen – LED screen</p> <p>Student Practical: LVDS Cable Resembling & Disassembling, LVDS connector replace and Screen replaces Explanations & working principle & Voltage checking of LCD & LED Backlight controller board.</p> <p>Student Practical: Voltage checking of LCD & LED Backlight controller board. Replace the CCFL & LED back light.</p>	
9	<p><u>SESSION-9</u> Explanations of AUDIO circuit diagram & Voltage checking.</p>	

	<p>Student Practical: Voltage checking & circuit tracing. Find-out audio problem and replace the parts</p>	
10	<p><u>SESSION-10</u> Final Give Service Tips & Test Tips & OSD, Service mode Tips Test equipment & Readymade fault solving Part Distributors</p> <p>Examination</p> <ol style="list-style-type: none"> 1. No Power? 2. No Display No Sound? 3. Power On but No Display (or) noise picture? 4. Power On but No Sound (or) noise sound? 5. Tuning problem (or) Channels not logging? 	

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