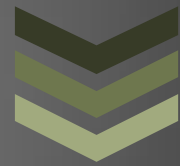


PINE TRAINING ACADEMY



Course Module

YOU'RE CAREER, OUR PASSION

Summer Training Program on Hardware
Board Design PCB

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Pine Training Academy

Summer Training Program on Embedded System.

Module	Detailed Syllabus	Duration
Module-1 USED IN CIRCUIT DESIGNING.	<ul style="list-style-type: none"> • Types of Resister. • Types of Capacitor. • Types of Inductor • Types of diode. • Types of led. • Transistor. • L293D • MAX232 • Atmel IC. • And other ic. 	Week 1- Month 1
Module-2 Schematics	<ul style="list-style-type: none"> • Creating schematic file. • Placing, editing, and connecting parts and electrical symbols. • About library and part. • Connection between electrical symbols. • Name and value. • Adding and editing graphical text. <p>ERC checking</p>	Week 1 and 2- Month 1
Module-3 Layout	<ul style="list-style-type: none"> • Design mechanical structure. • Placing of component. • Concept of tracks width calculation. • Routing single layer and multilayer. • Vias and there types. • Silks screen. • Copper pour. • DRC checking. • Adding text. • Gerber file generation. 	Week 3 and 4- Month 1
Module -4 Lab	<ul style="list-style-type: none"> • Taking print from Gerber on photo paper. • Print circuit on FR4. • Etching. • Drilling. • Checking connectivity. • Component mounting. • Soldering / de soldering. • Testing. 	Week 4- Month 1
Module -5	Live Project based on Application.	Week 1 ,2,3,4 Month 2