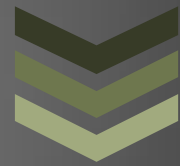


# PINE TRAINING ACADEMY



## Course Module

YOU'RE CAREER, OUR PASSION

Summer Training Program on Hardware  
Board Design PCB

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4/26/2016



Pine Training Academy

## Summer Training Program on Embedded System.

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

**Batch Start:** 1<sup>st</sup> /2<sup>nd</sup> Week of June, 2016.

**Batch Size:** 20 seats.

**Duration:** 1 Month (4 week) Training and 1 Month (4 week) Project.

**Eligibility Criteria:**

PINE TRAINING ACADEMY-"YOUR CAREER, OUR PASSION".

1. B.E. or B. Tech from E & C, E & I, E & E, Computer Science/IT.

**Perquisite:-**

1. Knowledge of Advanced and Basic Digital System.

**Required:-**

LAPTOP: – With Minimum Configuration DUAL CORE or i3 or i5 Processor, 2/4 GB DDR3, 500 HDD with window XP or Window 7.

**FEES and Payment Schedule Details:**

**Course Fees: Rs 7500+14.5 % Service Tax.**

**Mode of Payment- Through Cheque or Cash.**

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