

**This training will cover the usage of ESP32 in two environment:**

**i. with PHP MySQL and ii. with Node-Red MQTT dashboard**

<https://github.com/ssalims/ILPSelandar>

## **DAY 1**

<b>AM</b>	Intro by Mr Ezra		
	<b>Introduction to ESP32, Its Features &amp; IDE Installation</b>		
	Activity 1: Basic Electronics, Arduino Programming & Sensors		
	Activity 2: ESP32 with Potentiometer and Servo		
<b>PM</b>	Activity 3: ESP32 with Humidity & Temperature Sensor DHT11		
	Activity 4: Client Server Based Room Temperature Monitoring System		

## **DAY 2**

<b>AM</b>	<b>Raspberry Pi</b>		
	Activity 5: RasPi Installation		
	Activity 6: VnC		
	<b>Why Node-Red</b>		
	Activity 7: Getting Started Node-RED		
<b>PM</b>	Activity 8: How to Build Node-RED Dashboard		
	Activity 9: Sending Email Notification		

## **DAY 3**

<b>AM</b>	Activity 10: Node-RED reads ESP32 using Serial In prompt	
<b>PM</b>	Activity 11: Build an IoT Dashboard using Node-Red and ESP32	