



# K.S.R. COLLEGE OF ENGINEERING



(An Autonomous Institution, Affiliated to Anna University, Chennai)

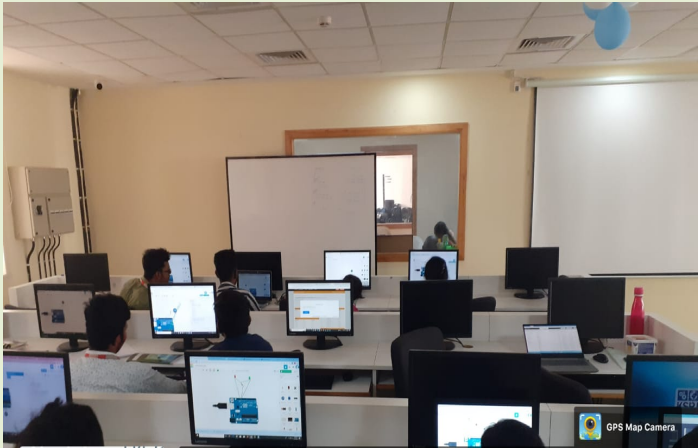
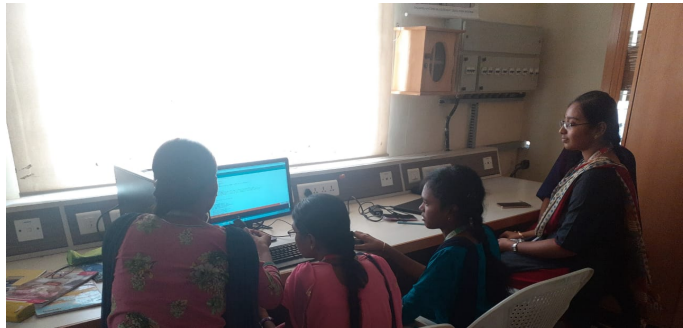

KSR Kalvi Nagar, Tiruchengode- 637 215, Namakkal District,  
Tamil Nadu

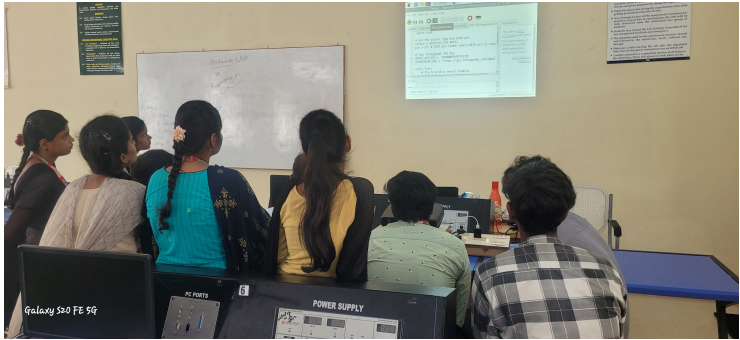


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## IoT Technical Club

(Academic Year: 2024-2025)

S.NO.	DATE	Program Title/ Type/Resource Persons	TRAINING /ACTIVITY	PHOTO
1.	21-AUG-2024	IoT Core Training  <b>Faculty Coordinators:</b> Mr. T. Marthandan	<ol style="list-style-type: none"><li>1. Introduction to the Internet of Things</li><li>2. The Basics of Sensors &amp; Actuators</li><li>3. The Arduino IDE &amp; NodeMCU Platform</li></ol>	
2.	28-AUG-2024	IoT Core Training  <b>Faculty Coordinators:</b> Mr. T. Marthandan	<ol style="list-style-type: none"><li>1. The NodeMCU Open-Microcontroller Platform</li><li>2. NodeMCU Programming Basics</li><li>3. NodeMCU Board Layout &amp; Architecture</li><li>4. Programming fundamentals (C language)</li></ol>	

S.NO.	DATE	Program Title/ Type/Resource Persons	TRAINING /ACTIVITY	PHOTO
3.	31-AUG-2024	IoT Core Training	<ol style="list-style-type: none"> <li>1. Introduction to Wokwi and Tinkercad Platform to students.</li> <li>2. Demonstrated and showed them how to pick and interface Various sensors and output sensors.</li> <li>3. In the platform around four microcontrollers were available like Arduino Uno, Esp32, Raspberry Pico, STM32</li> </ol>	
		<b>Faculty Coordinators:</b> Mr. T. Marthandan		
4.	04-SEP-2024	IoT Core Training	<ol style="list-style-type: none"> <li>1. Interfacing of Various sensors like Ultrasonic, DHT11, PIR, Soil Moisture are given to students and helped them to interface with Arduino UNO.</li> <li>2. Introduction to Cloud storage like Thingspeak and AWS Cloud.</li> </ol>	
		<b>Faculty Coordinators:</b> Mr. T. Marthandan		
5.	06-SEP-2024	IoT Core Training	<ol style="list-style-type: none"> <li>1. The NodeMCU (ESP8266) were given and sked students to interface various input and output devices.</li> <li>2. Interfaced DHT11 sensor with ESP8266 and helped students to upload data in the cloud.</li> </ol>	
		<b>Faculty Coordinators:</b> Mr. T. Marthandan		

S.NO.	DATE	Program Title/ Type/Resource Persons	TRAINING /ACTIVITY	PHOTO
6.	11-SEP-2024	IoT Core Training  <b>Faculty Coordinators:</b> Mr. T. Marthandan	<ol style="list-style-type: none"> <li>1. Introduction to Keil 5 version</li> <li>2. helped students to install and done experiments like 16-bit addition, subtraction, division and Multiplication.</li> </ol>	
7.	16-SEP-2024	IoT Core Training  <b>Faculty Coordinators:</b> Mr. T. Marthandan	<ol style="list-style-type: none"> <li>1. Introduction to Raspberry Pi and its interface</li> <li>2. Programming fundamentals (Python language)</li> <li>3. Booting of Linux OS for Raspberry Pi</li> </ol>	
8.	18-SEP-2024	<b>Two days industrial level on Raspberry Pi</b> for II & III Year ECE <b>Workshop</b> Mr.M. Prakash, Mr.P. Sharan Adithya, IoT Engineer, NeuraAI Solutions Private Limited	<ol style="list-style-type: none"> <li>1. Introduction to IoT</li> <li>2. Demonstration of how to install Linux OS and boot it for Raspberry Pi 3 A+</li> <li>3. Interfacing and controlling of LED like Blinking and Push Button control and turn on and off using mail.</li> <li>4. Interfacing of Various Sensor like Ultrasonic,</li> </ol>	



S.NO.	DATE	Program Title/ Type/Resource Persons	TRAINING /ACTIVITY	PHOTO
9.	19-SEP-2024		<ol style="list-style-type: none"> <li>Publishing/Sending Sensor Data to Cloud space (ThingSpeak)</li> <li>Pi Camera interfacing with Raspberry Pi 3 A+ Model.</li> <li>Experiment with pi camera to photo &amp; videos Raspberry Pi 3 A+ Model.</li> </ol>	
10.	23-OCT-2024	<p>IoT Club</p> <hr/> <p><b>Faculty Coordinators:</b> Mr. T. Marthandan</p>	<ol style="list-style-type: none"> <li>Demonstration of how to install Linux OS and boot it for Raspberry Pi 3 B+</li> <li>Interfacing of Various Sensor like Ultrasonic, PIR, DHT 11 &amp; IR</li> <li>Publishing/Sending Sensor Data to Cloud space (ThingSpeak)</li> </ol>	
11.	26-OCT-2024	<p>“Engineering Tomorrow: Inspiring Young Innovators through Electronics “was conducted for school students by our ECE team at Kalaimagal Vidhyashram MHSS, Edappadi on 26th October 2024</p>	<ol style="list-style-type: none"> <li>Introduction to Electronics and IoT</li> <li>Introduction to Various Microcontrollers like Arduino Uno and Esp8266</li> <li>Demonstration of how-to Interface and control of LED like Blinking and Push Button control and turn on and off using mail.</li> </ol>	



