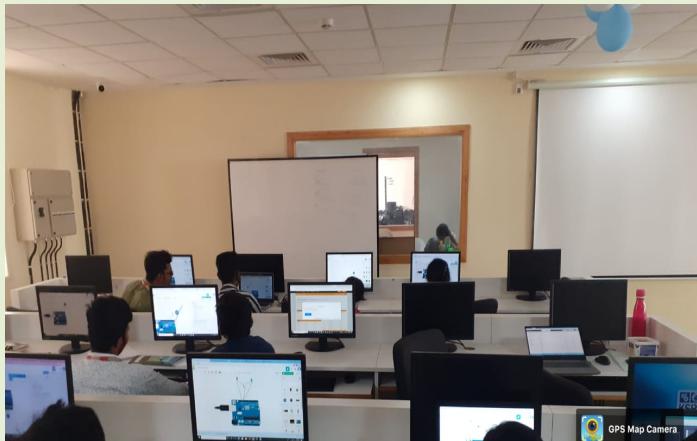


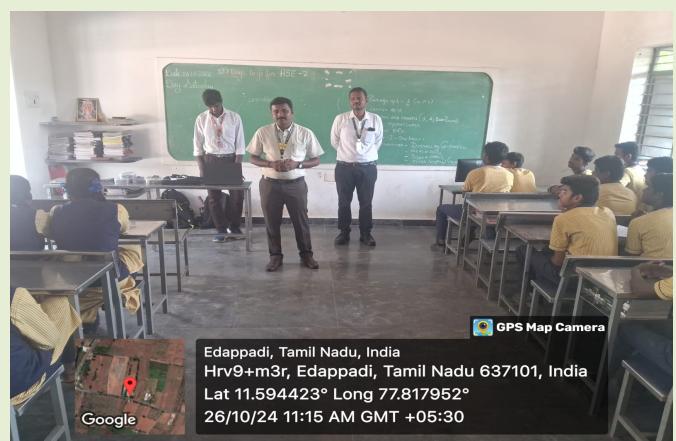
IoT Technical Club

(Academic Year: 2024-2025)

S.NO.	DATE	Program Title/ Type/Resource Persons	TRAINING/ACTIVITY	PHOTO
1.	21-AUG-2024	<p>IoT Core Training</p> <p>Faculty Coordinators: Mr. T. Marthandan</p>	<p>1. Introduction to the Internet of Things 2. The Basics of Sensors & Actuators 3. The Arduino IDE & NodeMCU Platform</p>	
2.	28-AUG-2024	<p>IoT Core Training</p> <p>Faculty Coordinators: Mr. T. Marthandan</p>	<p>1. The NodeMCU Open-Microcontroller Platform 2. NodeMCU Programming Basics 3. NodeMCU Board Layout & Architecture 4. Programming fundamentals (C language)</p>	

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

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6.	11-SEP-2024	<p>IoT Core Training</p> <p>Faculty Coordinators: Mr. T. Marthandan</p>	<ol style="list-style-type: none"> 1. Introduction to Keil 5 version 2. helped students to install and done experiments like 16-bit addition, subtraction, division and Multiplication. 	
7.	16-SEP-2024	<p>IoT Core Training</p> <p>Faculty Coordinators: Mr. T. Marthandan</p>	<ol style="list-style-type: none"> 1. Introduction to Raspberry PI and its interface 2. Programming fundamentals (Python language) 3. Booting of Linux OS for Raspberry Pi 	
8.	18-SEP-2024	<p>Two days industrial level on Raspberry Pi for II & III Year ECE Workshop</p> <p>Mr.M. Prakash, Mr.P. Sharan Adithya, IoT Engineer, NeuraAI Solutions Private Limited</p>	<ol style="list-style-type: none"> 1. Introduction to IoT 2. Demonstration of how to install Linux OS and boot it for Raspberry Pi 3 A+ 3. Interfacing and controlling of LED like Blinking and Push Button control and turn on and off using mail. 4. Interfacing of Various Sensor like Ultrasonic, 	

S.NO.	DATE	Program Title/ Type/Resource Persons	TRAINING /ACTIVITY	PHOTO
9.	19-SEP-2024		<ol style="list-style-type: none"> 1. Publishing/Sending Sensor Data to Cloud space (ThingSpeak) 2. Pi Camera interfacing with Raspberry Pi 3 A+ Model. 3. Experiment with pi camera to photo & videos Raspberry Pi 3 A+ Model. 	 <p>KSR Kalvi Nagar, Tamil Nadu, India 9R51+CM, KSR Kalvi Nagar, Tamil Nadu 637215, India Lat 11.358401° Long 77.105172°</p>
10.	23-OCT-2024	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>IoT Club</p> </div> <div style="flex: 1;"> <p>Faculty Coordinators: Mr. T. Marthandan</p> </div> </div>	<ol style="list-style-type: none"> 1. Demonstration of how to install Linux OS and boot it for Raspberry Pi 3 B+ 2. Interfacing of Various Sensor like Ultrasonic, PIR, DHT 11 & IR 3. Publishing/Sending Sensor Data to Cloud space (ThingSpeak) 	
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"> 1. Introduction to Electronics and IoT 2. Introduction to Various Microcontrollers like Arduino Uno and Esp8266 3. Demonstration of how-to Interface and control of LED like Blinking and Push Button control and turn on and off using mail. 	 <p>Edappadi, Tamil Nadu, India Hrv9+m3r, Edappadi, Tamil Nadu 637101, India Lat 11.594423° Long 77.817952° 26/10/24 11:15 AM GMT +05:30</p>

S.NO.	DATE	Program Title/ Type/Resource Persons	TRAINING /ACTIVITY	PHOTO
		School outreach program Faculty Coordinators: Dr. P. Govindaraju Mr. T. Marthandan Student Coordinators: S. Sridharshan, II ECE B S.Dharaneshwaran, II ECE A	4. Interfacing of Various Sensor like Ultrasonic, PIR, DHT 11 & IR to Arduino UNO and Raspberry Pi 3 B+ model 5. Publishing/Sending Sensor Data to Cloud space (ThingSpeak) 6. Demonstrated and given hands on experience in Raspberry Pi 3 B+ model by given opportunity to use it like a Pocket computer.	 <div data-bbox="1298 530 1784 612"> <p>Edappadi, Tamil Nadu, India Hrv9+m3r, Edappadi, Tamil Nadu 637101, India Lat 11.594434° Long 77.81779° 26/10/24 11:47 AM GMT +05:30 </p> </div>  <div data-bbox="1298 938 1784 1019"> <p>Edappadi, Tamil Nadu, India Hrv9+m3r, Edappadi, Tamil Nadu 637101, India Lat 11.594109° Long 77.817699° 26/10/24 12:48 PM GMT +05:30 </p> </div>  <div data-bbox="1298 1325 1784 1406"> <p>Edappadi, Tamil Nadu, India Hrv9+m3r, Edappadi, Tamil Nadu 637101, India Lat 11.59428° Long 77.81776° 26/10/24 12:04 PM GMT +05:30 </p> </div>