



K.S.R. COLLEGE OF ENGINEERING

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

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



Tamil Nadu

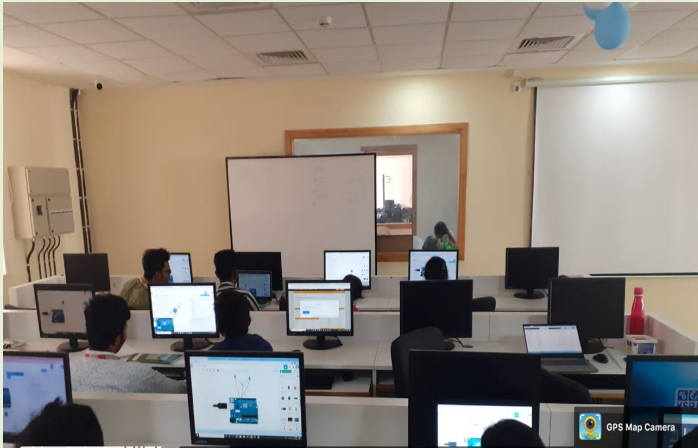
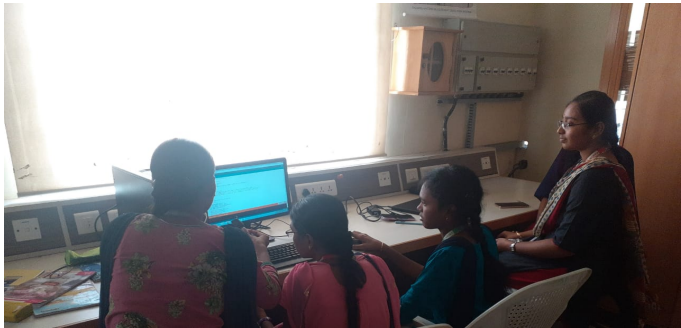

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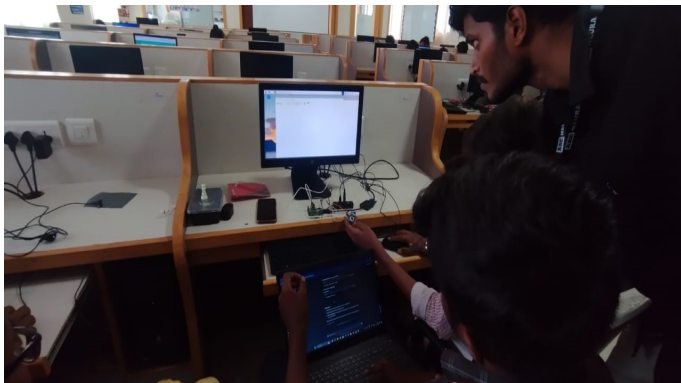
principal@ksrce.ac.in


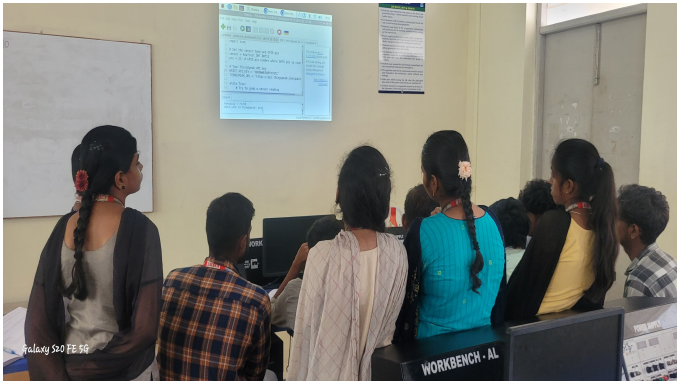
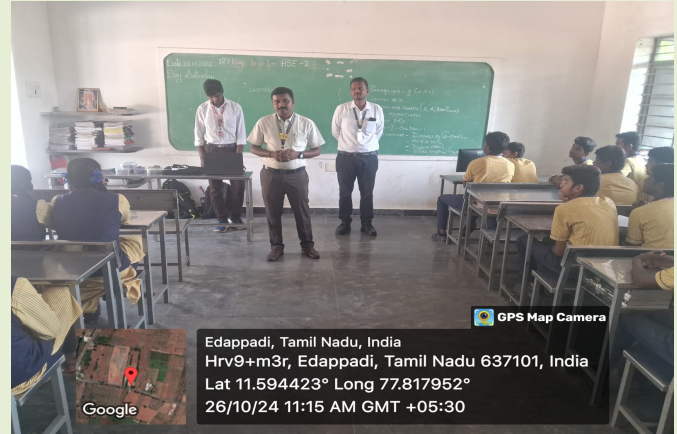
IoT Technical Club


(Academic Year: 2024-2025)

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

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3.	31-AUG-2024	IoT Core Training	<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 	
		Faculty Coordinators: Mr. T. Marthandan		
4.	04-SEP-2024	IoT Core Training	<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. 	
		Faculty Coordinators: Mr. T. Marthandan		
5.	06-SEP-2024	IoT Core Training	<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. 	
		Faculty Coordinators: Mr. T. Marthandan		

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6.	11-SEP-2024	IoT Core Training	<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. 	
		Faculty Coordinators: Mr. T. Marthandan		
7.	16-SEP-2024	IoT Core Training	<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 	
		Faculty Coordinators: Mr. T. Marthandan		
8.	18-SEP-2024	Two days industrial level on Raspberry Pi for II & III Year ECE Workshop Mr.M. Prakash, Mr.P. Sharan Adithya, IoT Engineer, NeuraAI Solutions Private Limited	<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, 	

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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 9R5J+CM, KSR Kalvi Nagar, Tamil Nadu 637215, India Lat 11.358401° Long 77.921726°</p>
10.	23-OCT-2024	IoT Club	<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) 	
		Faculty Coordinators: Mr. T. Marthandan		
11.	26-OCT-2024	“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	<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	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.	
		Faculty Coordinators: Dr. P. Govindaraju Mr. T. Marthandan Student Coordinators: S. Sridharshan, II ECE B S.Dharaneshwaran, II ECE A		