



**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

**Re-accredited by NAAC with A⁺ Grade - 4th cycle,
College of Excellence – UGC
29th Rank among Colleges in NIRF 2023
Coimbatore - 641 029, Tamil Nadu, India**



**DEPARTMENT OF COMPUTER SCIENCE (Aided)
Workshop on Arduino Based Application Development
Supported by
DBT STAR COLLEGE SCHEME
REPORT**

Name of the Event	Workshop on Arduino Based Application Development
Date	31-08-2023
Time	10.00 A.M
Resource Persons With Designation	Dr.K.Subramanian Tecnical Lead Enthu Technology Solutions India Pvt.Ltd., Coimbatore. Mr.Dinesh Babu. S Tecnical Engineer Enthu Technology Solutions India Pvt.Ltd., Coimbatore.
Venue of the Programme	Computer Lab -VI
Objectives of the Programme	●To create awareness about the working principles of IoT. ●To impart knowledge about IOT applications. ●To know the functionalities of different sensors. ●To learn and do the experiments using an Arduino board.
Outcome of the Programme	● The concepts and the working principles of IoT were clearly explained to the students.

	● How the IoT devices can be controlled using a micro controller and the connectivity of the sensors were well explained. ● An overview regarding the communication technologies like Bluetooth ,LORA , RFID ZIGBEE and Thread was given. ● IoT applications like Smart agriculture, Emergency notification,Home security,Geo location tracker, Animal tracking and , Smart industry were well explained. ● The functionalities of different types of sensors like Infrared sensor, Ultrasonic sensor,Soil moisture sensor, Buzzer sensor were narrated. ● The installation of Python Library modulus were taught . ● The experiments using Arduino board ,IoT sensors and actuators were demonstrated.
Number of Beneficiaries with Class (Both Students and Faculty)	Students: 53 III B.Sc Computer Science (A) – 53 Faculty: 1 1. Mr.P.Kaliraj Assistant Professor in Computer Science Kongunadu Arts and Science College Coimbatore-29. Total Number of Beneficiaries: 54



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DEPARTMENT OF COMPUTER SCIENCE (AIDED)

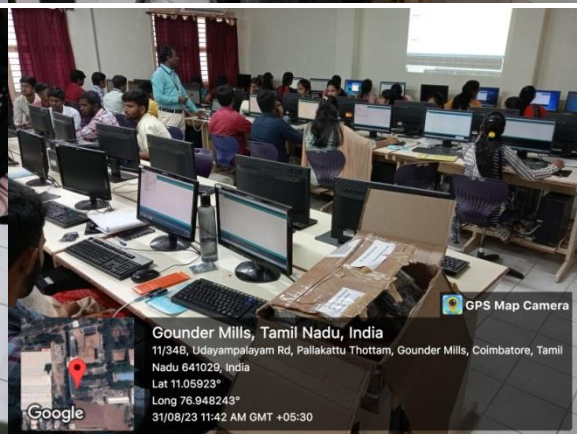
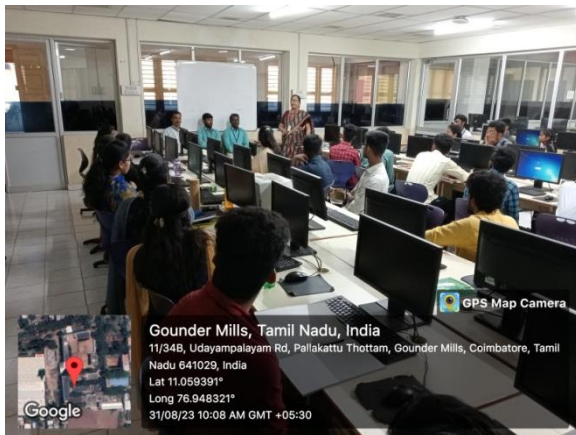
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DBT STAR COLLEGE SCHEME

Name of the Event : Workshop on Arduino Based Application Development

Date :31/08/2023

Venue: Computer Lab VI





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DEPARTMENT OF COMPUTER SCIENCE (Aided)

Workshop on Arduino Based Application Development

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REPORT

Name of the Event	Workshop on Arduino Based Application Development
Date	01-09-2023
Time	10.00 A.M
Resource Persons With Designation	3. Dr.K.Subramanian Tecnical Lead Enthu Technology Solutions India Pvt.Ltd., Coimbatore. 4. Mr.Dinesh Babu. S Tecnical Engineer Enthu Technology Solutions India Pvt.Ltd., Coimbatore.
Venue of the Programme	Computer Lab -VI
Objectives of the Programme	
Outcome of the Programme	● The concepts and the working principles of IoT were clearly explained to the students. ● How the IoT devices can be controlled using a micro controller and the connectivity of the sensors were well explained. ● An overview regarding the communication technologies like Bluetooth ,LORA , RFID

	ZIGBEE and Thread was given. ● IoT applications like Smart agriculture, Emergency notification, Home security, Geo location tracker, Animal tracking and , Smart industry were well explained. ● The functionalities of different types of sensors like Infrared sensor, Ultrasonic sensor, Soil moisture sensor, Buzzer sensor were narrated. ● The installation of Python Library modulus were taught . ● The experiments using Arduino board ,IoT sensors and actuators were demonstrated.
Number of Beneficiaries with Class (Both Students and Faculty)	Students: 55 III B.Sc Computer Science (A) – 55 Faculty: 1 1. Mr.P.Kaliraj Assistant Professor in Computer Science Kongunadu Arts and Science College Coimbatore-29. Total Number of Beneficiaries: 56



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