



**Dr. M.G.R.**  
**EDUCATIONAL AND RESEARCH INSTITUTE**  
**(Deemed to be University)**  
Maduravoyal, Chennai - 600 095. Tamilnadu, India.  
(An ISO 9001-2015 Certified Institution)



**MGR ASSOCIATION FOR GREAT INNOVATIVE CREATORS**

Department of Electronics and Communication Engineering

Event Title	Certificate Training Program on "Design and Development of IoT Projects with Arduino"		
Objective of Event	The primary objective of the Certificate Training Program on "Design and Development of IoT Projects with Arduino" was to equip second-year ECE students with practical skills in embedded systems and IoT development. The program aimed to bridge theoretical knowledge		
Chief Guest /Speaker Details	, ,		
Date	28/04/2025 to 03/05/2025	Time	10.00 AM to 12.00 PM
Venue	VLSI Lab	No. of Participants	70

## REPORT

### TITLE

null

### CONTENT

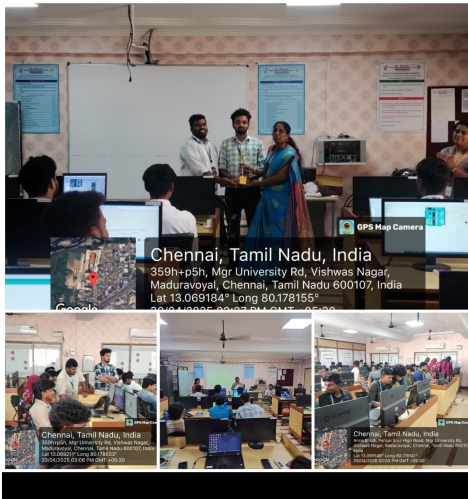
The Department of ECE, in association with ECOMET and Tech Power Solutions, Chennai, organized a five-day certificate training program on "Design and Development of IoT Projects with Arduino" from 28.04.25 to 03.05.25 at the VLSI Lab, Anna Block, for second-year ECE students. The event began with the keynote speaker introduced by Dr. G. Nalinashini and felicitated by Dr. U. Jayalaksumi, HoD/ECE. The program offered hands-on training in embedded systems, covering Arduino basics, GPIOs, sensors, PWM, and serial communication using the Arduino IDE. Students used Proteus for virtual circuit design and simulation of real-time projects like LED blinking, obstacle detection, and temperature monitoring. The training helped bridge theory and practical knowledge. Fifty students benefited from the interactive sessions. The event was efficiently coordinated by Dr. G. Nalinashini and Ms. J. Sri Arunaa, with gratitude extended to the Honourable President and all executives for their support.



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## EVENT OUTCOME

The training program enhanced students' practical skills in embedded systems and IoT using Arduino and Proteus simulation. It bridged theoretical knowledge with real-time project development and debugging experience.

## PHOTOS

Dr. G. Nalinashini /Ms.A.SriArunaa