



**PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH  
NEELAMBUR, COIMBATORE – 641062**

**Department of Computer Science and Engineering**

**Value Added Course on Application Development using Arduino**

Event Title	Application Development using Arduino
Event Category	Workshop
Date and Duration	06.03.2024 to 08.03.2024 & Three Days
Department	B.E. CSE & B.Tech CSBS ( 1st Year students)
Co-ordinator	Dr.S.Hemkiran(AP/CSE), Dr.S.Vaishnavi(AP/CSE), Ms.V.Vilasini(AP/CSE), Ms.M.Karthigha(AP/CSE)
Chief guest / Resource person/ Keynote Speaker	Dr V Anantha Narayanan (JRM Technologies, Coimbatore) P Pradeep Kumar(Technical Consultant, JRM Technologies, Coimbatore) Mr.K.Ilanchezhian(Manager -Technical, Mathiimigal Technologies, Bengaluru)
No of Participants	113 students

1.Dr Manimegalai, the HOD of CSE welcomed the gathering.

2.This workshop was a lively session that delved into the world of Arduino, a versatile open-source platform for creating interactive electronics projects.

3.Participants were delved into hands-on projects like connecting sensors, actuators, LED, button, switches and other components to create interactive and responsive applications.

4.The workshop aims to demystify the complexities of hardware development, providing practical insights into designing and implementing Arduino-based solutions. Through a combination of theory and practical exercises, attendees will leave equipped with the skills to prototype and build their own electronic applications. For envisioning smart home projects, wearable gadgets, or innovative automation solutions, this workshop offers a supportive environment to turn your ideas into reality. Thus the students provide an enlightening and collaborative experience in the realm of application development using Arduino.

5.It will help the attendees to gain the knowledge about ubiquity in daily life, industrial automation, medical devices, automotive innovations, communication and connectivity, aerospace, defence and consumer electronics

6. This workshop highlighted the significances of real-world applications developed in the course of this exploration, IoT devices to interactive installations. These examples showcase the adaptability and scalability of Arduino in diverse contexts.

7. This workshop was incredibly engaging, interactive, offering immensely beneficial insights on Arduino and IoT which helps the attendees in their career. The participants left the session with a wealth of practical knowledge and exposure to embedded system.



**Resource person interacting with the students**



**Participants along with the resource person during the Value Added Course**