



SarvajaniK University
SarvajaniK College of Engineering & Technology
Department of Computer Applications



Date: 18thSept 2025

Report on "IoT Innovators Workshop"



SARVAJANIK UNIVERSITY
SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY
 Department of Computer Applications



IOT INNOVATORS WORKSHOP






**ONLY
200
PER TEAM**
[Refundable upon
100% Attendance]
 Team Size : 5

**17 SEPT
WEDNESDAY
9:00 AM**

**AT
MCA COMPUTATIONAL LAB
MCA DEPARTMENT**

We are thrilled to invite you to our IoT Workshop: Hardware and Sensors! 🤖
 This hands-on workshop will provide you with practical experience in working with RAIN SENSOR , SOIL MOSITURE, and Disaster Scenario Demo and build real-time IoT applications. Whether you're a beginner or an enthusiast, this workshop will help you learn how to integrate hardware with databases, code smart systems, and innovate in the world of IoT.

FACULTY CO-ORDINATORS

- Dr. Kaushika Pal
- Pr. Preksha Parmar



<https://luma.com/o11ga1nh>

STUDENT CO-ORDINATORS

- Dhruv Patel (9016902887)
- Vivek Patel (8980967027)

Objective of workshop:

The IoT workshop aims to provide participants with a comprehensive understanding of the Internet of Things (IoT) and its real-world applications. Through hands-on exercises and demonstrations, participants will explore key IoT concepts, including sensor integration, device communication, and data processing. By the end of the workshop, participants were expected to acquire practical skills for building and deploying IoT solutions, preparing them for the growing field of IoT development.

Title:	IoT Innovators Workshop
Speakers:	Aryan Pandya–Founder of QuantumPlus Solutions Ventures LLP, Dr. Kaushika Pal
Date & Time:	17 th Sept 2025, Wednesday, 09.00 AM – 4.00 PM.
Venue:	MCA Computational Lab, SCET.
Coordinated By:	Dr. Kaushika Pal and Ms.Preksha Parmar.
Student Coordinators	Patel Dhruv, Patel Vivek
Volunteers	Lalwala Meet, SiddikiHamdan, ChavdaChaitanya, Khatikanuj.

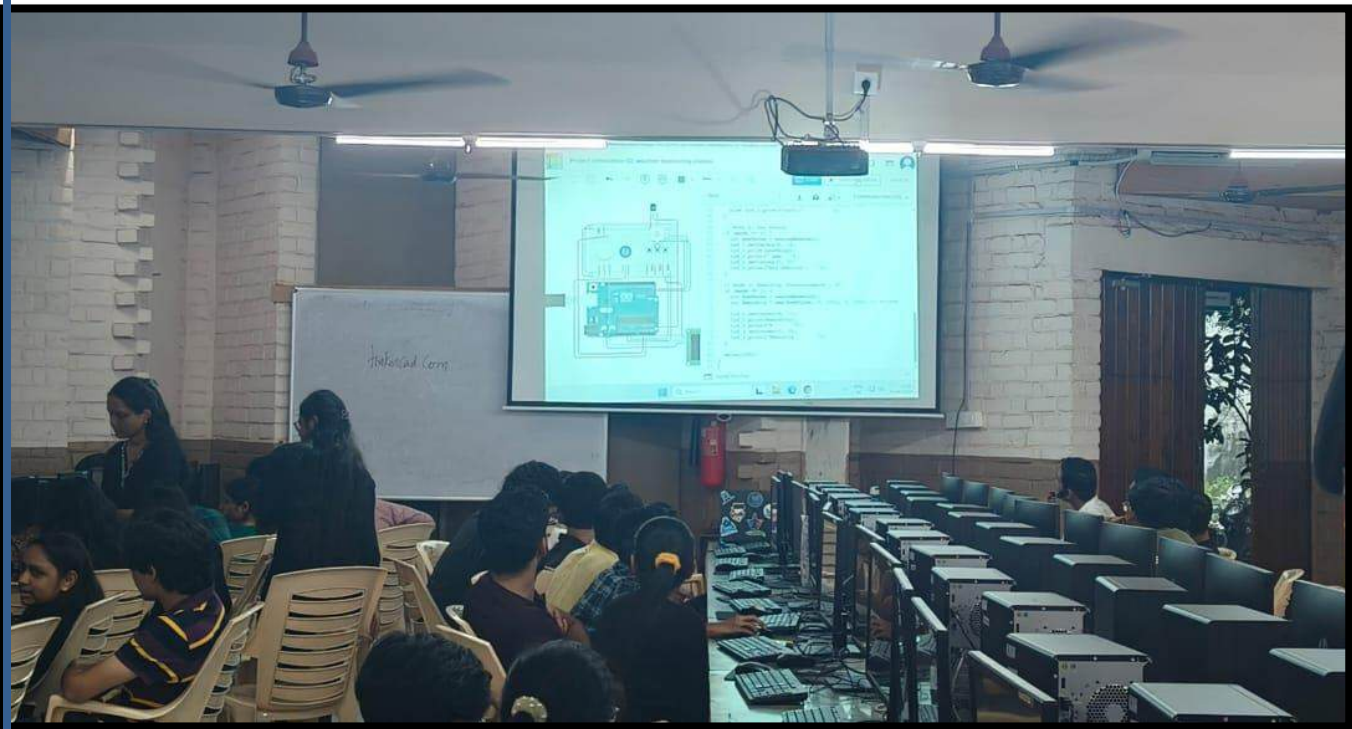
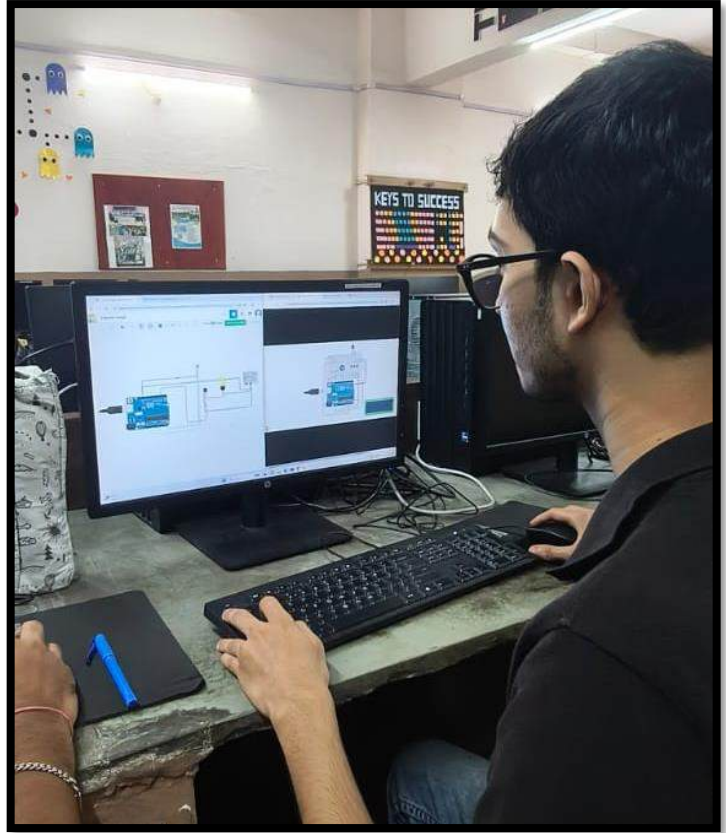
On behalf of MCA Department Ms.PrekshaParmar welcomed and introduced the resource person Mr.Aryan Pandya along with his team members.

- The IoT workshop began with an insightful introduction by the speaker, who provided a comprehensive overview of the Internet of Things (IoT), explaining its core concepts, how it connects devices, and its practical applications in real life, the architecture of IoT systems. Emphasis was placed on understanding microcontrollers.
- To enhance conceptual clarity, students engaged in a live IoT circuit simulation using Tinkercad, allowing them to visualize sensor-microcontroller interactions in a virtual environment by Dr. Kaushika pal ma'am.
- The workshop featured a showcase and detailed explanation of actual IoT-based working models, each offering practical applications of the concepts discussed:
 - **Automatic Car Parking System** – Demonstrated smart gate control and real-time slot allocation using sensors by JainexPumbhadiya.
 - **Automatic Plant Watering System** – Showcased intelligent irrigation based on soil moisture levels, ideal for smart farming by JitPrajapati.
 - **Smart Car Model** – Highlighted embedded IoT technology for automation and enhanced vehicle functionality by SanketMatholiya.
 - **Smart Street Light Model** – Featured adaptive lighting based on ambient light and motion detection for energy conservation.
 - Crucial technical support & event management by Tirth Patel.
 - Captured every moment through videos & photography by Samarth Chaudhari.

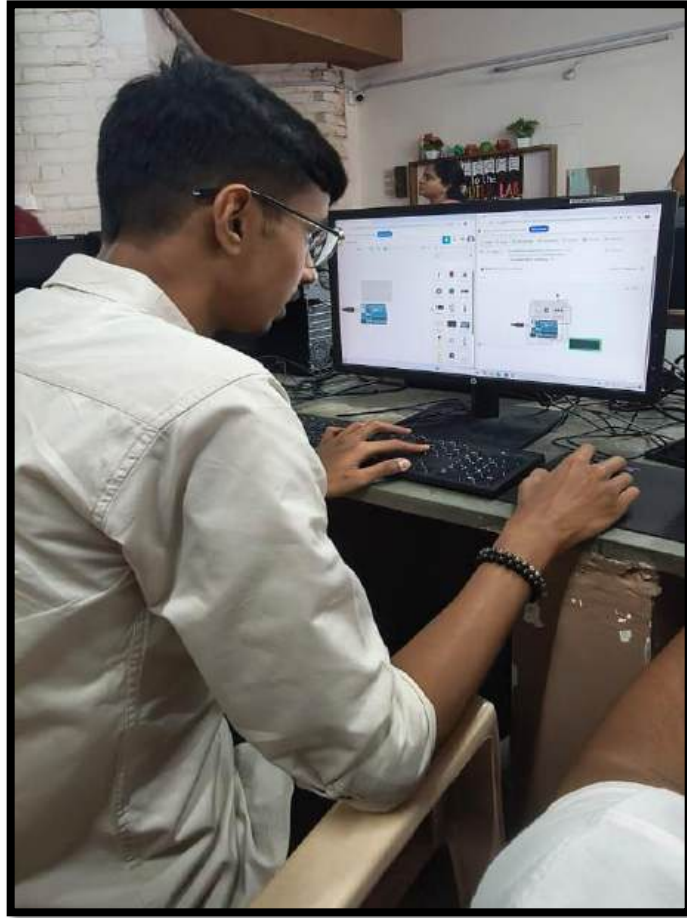
- The workshop concluded with a hands-on practical session, where students collaboratively built a **weather forecasting system**, applying their learning by integrating sensors and microcontrollers in a real setup.
- The event was met with enthusiastic participation with **120 registration and 83 actual participation** 83 students. This workshop is a reflection of SCET's commitment to experiential learning and preparing students for the evolving landscape of smart technologies.

As the workshop concluded, Dr.Kaushika Pal presented a heartfelt vote of thanks, appreciating the knowledge shared and the enthusiasm of the participants.

A few glimpses of the workshop....













The response towards the workshop by the students was really fabulous. We would like to thank **Dr. Hiren Patel, Principal, SCET**, for providing permission and support to organize such workshop, ShriBhaskarCheruku for prompt support. We are thankful to Prof. GayatriKapadia, Head-MCA Dept., for encouraging us for conducting such workshop.

Report compiled by Prof.(Dr.) Kaushika Pal and Ms.PrekshaParmar