



**Charotar University of Science and
Technology (CHARUSAT)**

**Chandubhai S. Patel Institute of Technology
(CSPIT)**

**V. T. Patel Department of Electronics and
Communication Engineering**



A Report
On
***EXPLORE, LEARN, CREATE: THE ARDUINO
HANDS-ON EXPERIENCE***

Date & Time : 26/09/2024, 9:30 am onwards

Faculty Coordinator : Dr. Killol Pandya

Charotar University of Science and Technology (CHARUSAT)
Chandubhai S. Patel Institute of Technology (CSPIT)
V. T. Patel Department of Electronics and Communication Engineering

Co-ordinator

Sr. No.	Name	Designation	Contact Details
1	Dr. Killol V. Pandya	Associate Professor	7600004093

Co-coordinators

1	Pruthvish Dave	Student Coordinator
2	Suchita Gaddam	Student Coordinator
3	Moksh Chavada	Student Coordinator
4	Vedansh Verdia	Student Coordinator
5	Priyanshu Purohit	Student Coordinator

Name of Event : EXPLORE, LEARN, CREATE:THE ARDUINO
HANDS-ON EXPERIENCE

Date : 26/09/2024

Targeted Audience : First Year Students

Total No of Participants : 75

Academic Year : 2024-25

Introduction:

The Arduino Workshop aimed to introduce participants to the fundamentals of Arduino, an open-source electronics platform. The workshop covered various aspects including understanding Arduino, basic projects, and interfacing with different sensors like ultrasonic, 7 segment, onboard LED.

Outcomes:

- **Learning Experience:** Participants gained hands-on experience in coding, troubleshooting, and project execution with Arduino. They were introduced to the basics of programming and electronics through practical applications, enhancing their understanding of theoretical concepts.
- **Skill Development:** The workshop facilitated the development of essential skills such as coding, circuit designing, and sensor interfacing. Participants learned to write and upload code to Arduino boards, connect different components, and troubleshoot errors, thereby building their technical expertise.
- **Problem-Solving:** Through the implementation of various projects, participants learned to identify and solve problems encountered during the development process. They were encouraged to think & analyze issues thereby enhancing their problem-solving abilities.
- **Collaboration:** The workshop fostered a collaborative environment where participants worked together in teams to complete assigned tasks and projects.
- **Networking:** Participants had the opportunity to interact with faculty members and student coordinators during the workshop. Networking enabled them to exchange ideas, seek guidance, and explore potential

opportunities within the technology community, thus expanding their professional network.

Conclusion:

The Arduino Workshop provided participants with a comprehensive understanding of Arduino and its applications in electronics and programming. Through practical exercises and hands-on experience, participants developed valuable skills in coding, circuit design, and problem-solving. The workshop fostered a collaborative learning environment, encouraging teamwork and knowledge sharing among participants.



CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY
CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY
V.T PATEL DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING



CODE FOR CAUSE

ORGANIZES ARDUINO HANDS-ON WORKSHOP

"EXPLORE, LEARN, INNOVATE"
**THE ULTIMATE ARDUINO HANDS-ON
EXPERIENCE**



TIME
9:30 AM ONWARDS



THURSDAY
26/09/2024



VENUE
PROJECT LAB 2



PARTICIPANTS
FIRST YEAR STUDENTS



Register Now!



FACULTY COORDINATOR
DR. KILLOL V. PANDYA

STUDENT COORDINATORS
VEDANSH VERDIA
PRIYANSHU PUROHIT
MOKSH CHAVADA
SUCHITA GADDAM
PRUTHVISH DAVE



