EVENT REPORT

EC ARDUINO WORKSHOP
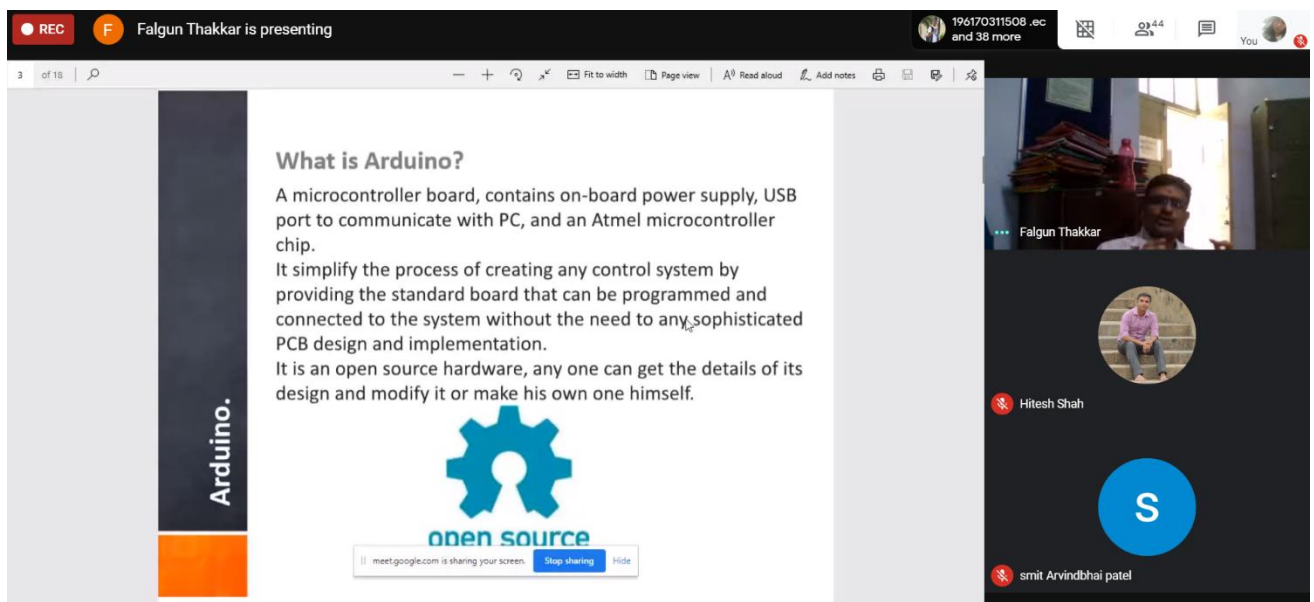
25th-27th May, 2020

CVM University
G H Patel College of Engineering &Technology

INTRODUCTION

Women in Engineering Affinity Group GCET Student Branch Chapter in association with **Prarambh- The GCET Project Club** organized a Workshop Series on Arduino and its Applications. This series was aimed at providing the participants with basic exposure and demonstration of the Arduino Development Board and making them aware of its applications and implementation.

Arduino is an open-source hardware and software company, project and user community that designs and manufactures single-board microcontrollers and microcontroller kits for building digital devices.

ABOUT THE LECTURERS

1. Dr Falgun Thakkar

Dr Falgun Thakkar obtained Ph.D. from National Institute of Technology Allahabad in February 2018. He graduated from Birla Vishvakarma Mahavidyalaya (BVM) in 2004 and completed his Masters of Engineering in Communication from GCET, S P University V V Nagar in 2010. Dr Falgun has published more than 25 research articles in various International and National Journals and Conferences. He has served as reviewer of many international journals and conferences. He has guided more than 5 M.E. Students in their dissertation as well as more than 10 projects of B.E. Students.
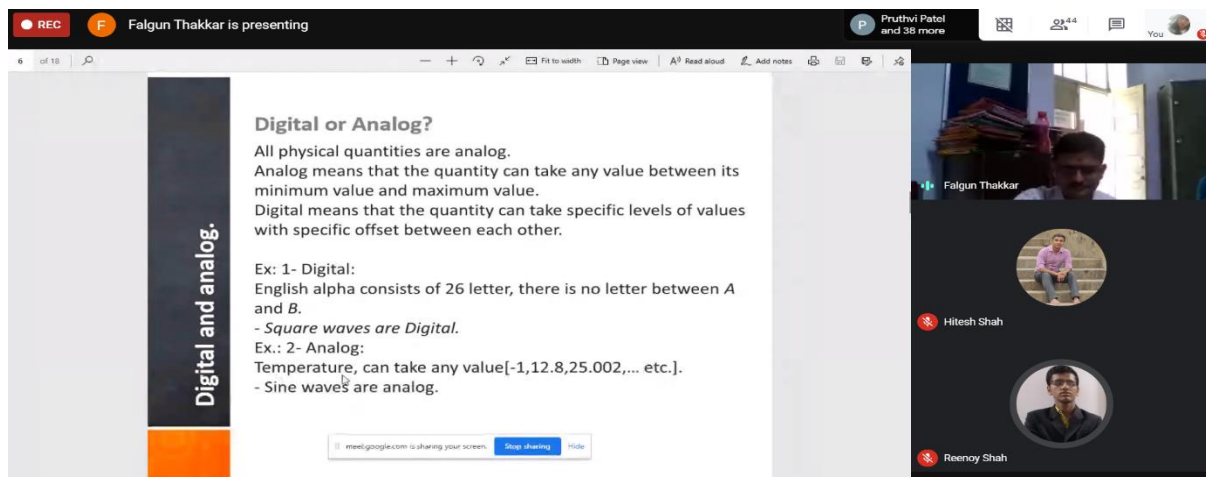
2. Dr Deven Trivedi

Dr Deven Trivedi has obtained his Ph.D in Electronics & communication engineering from C.U.Shah University, Wadhwan in June 2017. He has completed Masters in Electronics & Communication in G.H Patel College of Engineering. & Technology, Vallabh Vidyanagar in 2011. Dr. Deven has published more than 15 research papers in various International and National Journals and Conferences. His main areas of interest are Biomedical Signal Processing, Satellite Communication & Image Processing.
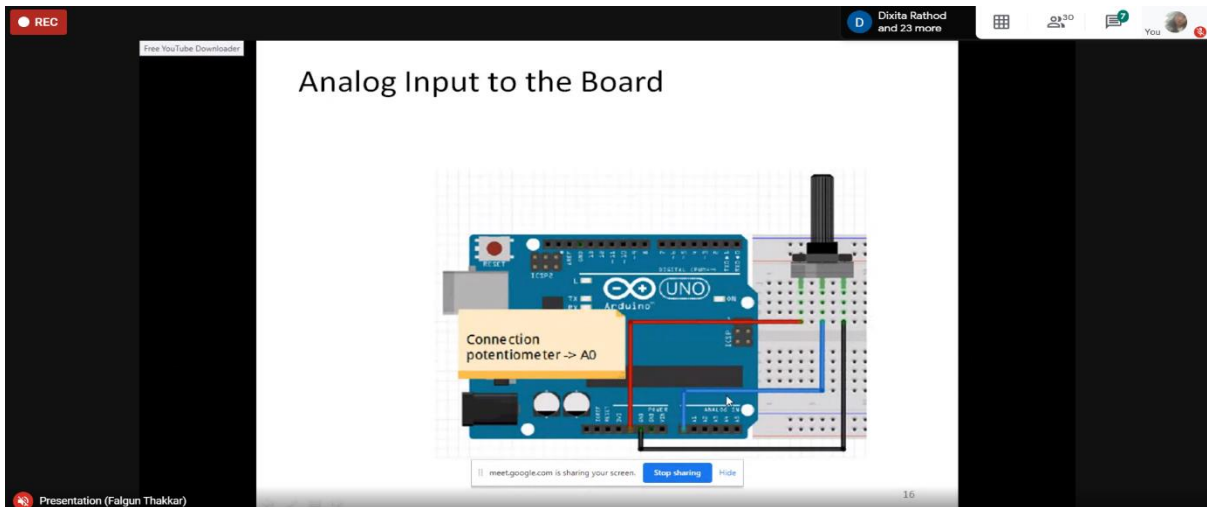
ABOUT THE WORKSHOP

The workshop was divided into three sessions from 25th May to 27th May, 2020. The course was conducted by Dr Falgun Thakkar and Dr Deven Trivedi from the Electronics and Communication Engineering Department of G H Patel College of Engineering & Technology. The workshop was open for everyone to take part. Students ranging from school to college took part in the workshop.
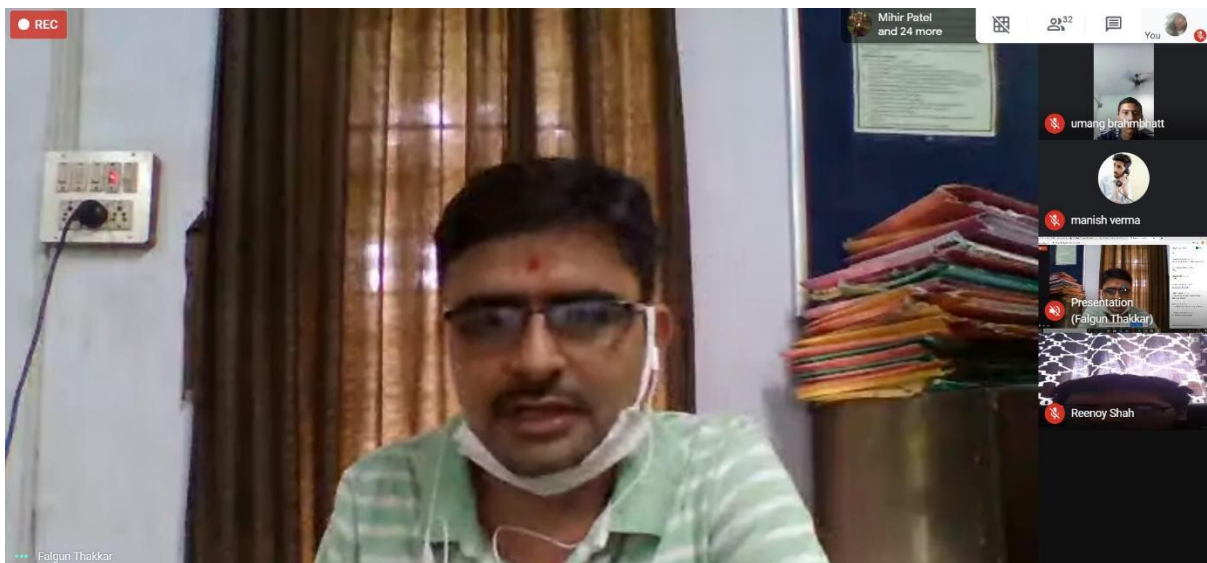
DAY 1: In the first session basics about Arduino was explained. Micro-Controller, Arduino UNO, Sensors and Arduino Coding were some of the topics that were covered in the first session.

DAY 2: Software installation, Blink LED on Board, Analog I/P, reading Analog Voltage, LDR, Servo Motor Control, these were some of the topics covered in session 2.

DAY 3: Session 3 was completely based on applications of Arduino, practical demonstration and the doubt clearing session.

The workshop received great feedback from the students who particularly remarked about the simplicity of teaching and the concepts that were presented. The participants were glad to have had the basics of Arduino explored.