



EVENT REPORT

EC ARDUINO WORKSHOP

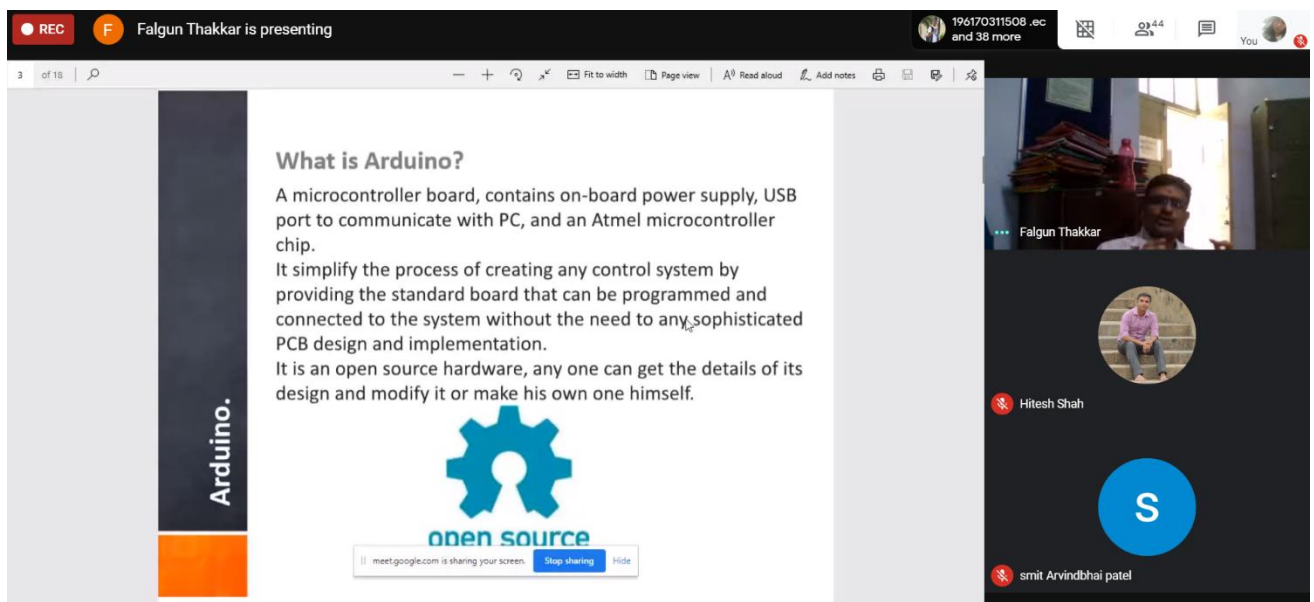
25th-27th May, 2020

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.



The screenshot shows a Google Meet interface. At the top, it says "REC" and "Falgun Thakkar is presenting". The main content is a slide titled "What is Arduino?". The slide text reads: "A microcontroller board, contains on-board power supply, USB port to communicate with PC, and an Atmel microcontroller chip. It simplify the process of creating any control system by providing the standard board that can be programmed and connected to the system without the need to any_sophisticated PCB design and implementation. It is an open source hardware, any one can get the details of its design and modify it or make his own one himself." Below the text is a blue gear icon with "open source" written underneath. A vertical bar on the left side of the slide says "Arduino.". At the bottom of the slide, it says "meet.google.com is sharing your screen." with "Stop sharing" and "Hide" buttons. On the right side of the screen, there is a video call interface showing a grid of participants: Falgun Thakkar (the presenter), Hitesh Shah, and smit Arvindbhai patel. There is also a large blue circle with the letter 'S'.

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

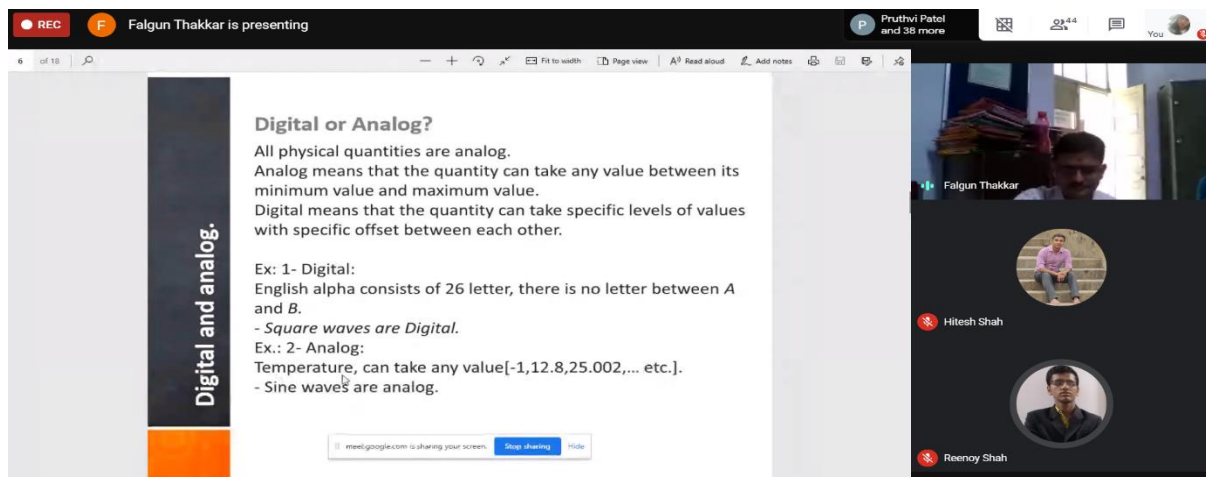


Dr Deven Trivedi has obtained his Ph.D in Electronics & communication engineering from C.U.Shah University, Wadhwan in June 2017. He has completed Masters in Electronics & Communication in G.H Patel College of Engineering. & Technology, Vallabh Vidyanagar in 2011. Dr. Deven has published more than 15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

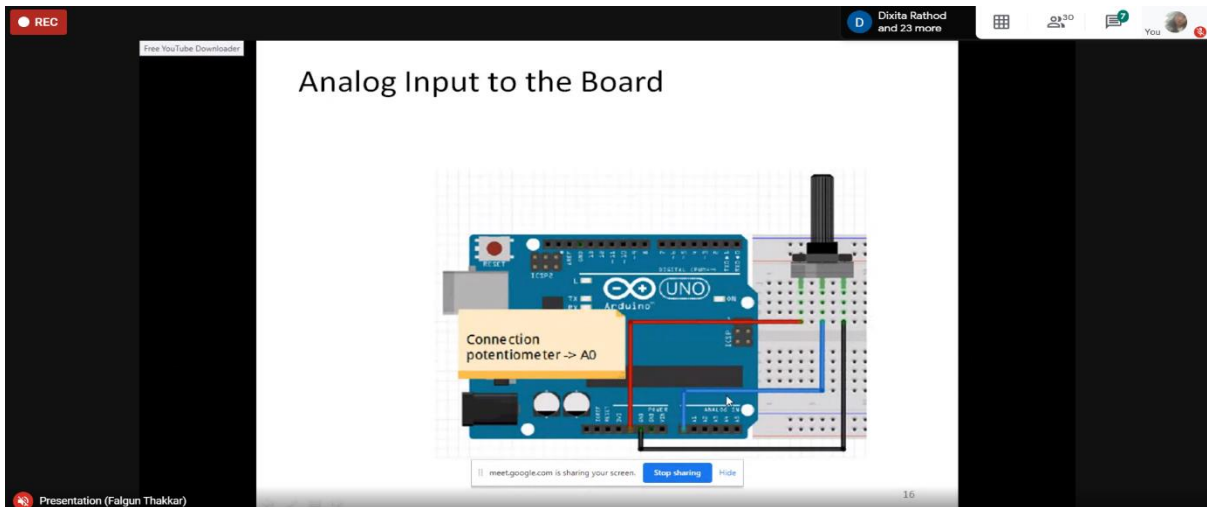
ABOUT THE WORKSHOP

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.

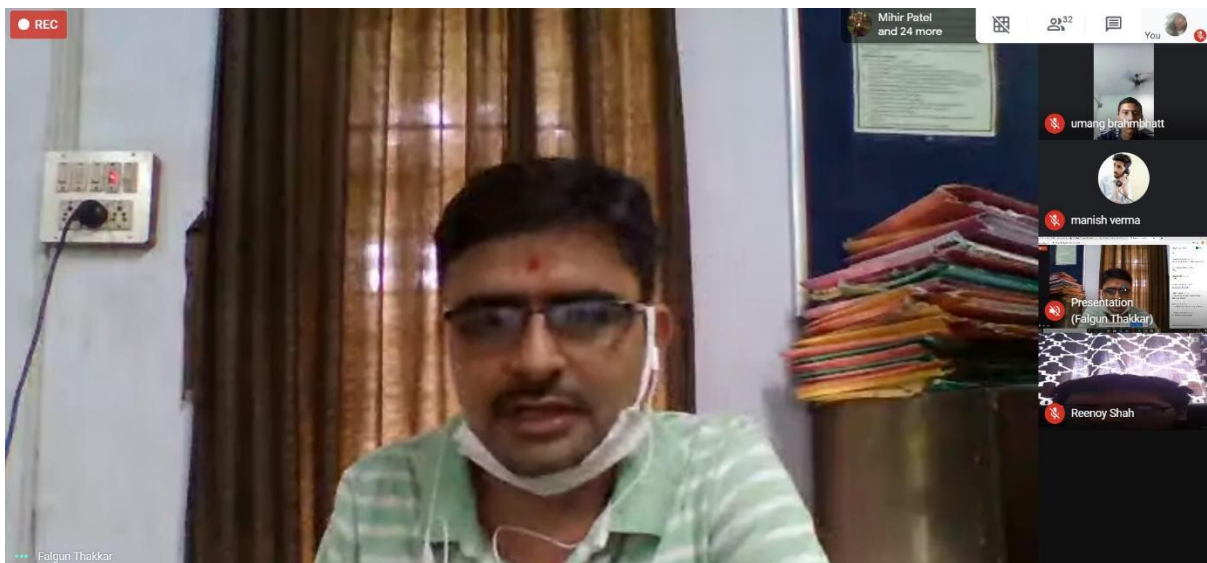
DAY 1: In the first session basics about Arduino was explained. Micro-Controller, Arduino UNO, Sensors and Arduino Coding were some of the topics that were covered in the first session.



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.