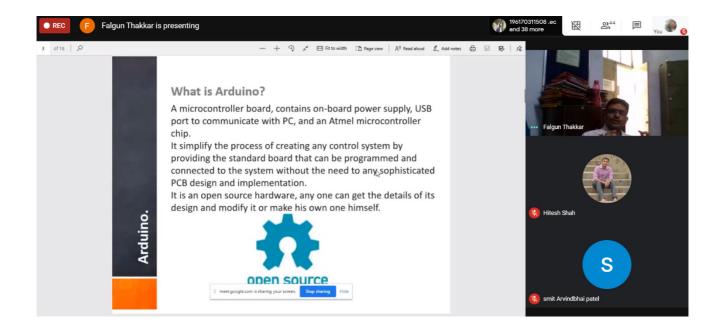
REPORT OF THREE DAYS ONLINE CERTIFICATION COURSE ON **"INTRODUCTION TO ARDUINO AND ITS APPLICATIONS"**

(25TH TO 27TH MAY, 2020)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING **G H PATEL COLLEGE OF ENGINEERING AND TECHNOLOGY**

INTRODUCTION

Department of Electronics and Communication Engineering, G H Patel College of Engineering and Technology in association with withWoman in engineering affinity group of IEEE GCET SB andPrarambh- The GCET Project Clubis organizing a **Three days online** course on**Introduction toArduino and its Applications** During 25th to 27th May, 2020. This course was aimed at providing the participants with basic exposure and demonstration of Arduino Development Board and making them aware of its applications and implementation.



ABOUT THE LECTURERS



Dr.Falgun Thakkar obtained Ph.D. from National Institute of Technology Allahabad in February 2018. He graduated from Birla VishvakarmaMahavidyalaya (BVM) in year 2004 and completed his Masters of Engineering in Communication from GCET, S P University V V Nagar in year 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. His are of interests includes Antenna design, HF transmission line, Microwave Engineering, Wavelet based image and signal processing, Compress Sensing and optimization techniques like PSO and GA. He has guided more than 5 M.E. Students in their dissertation as well as more than 10 projects of B.E. Students.

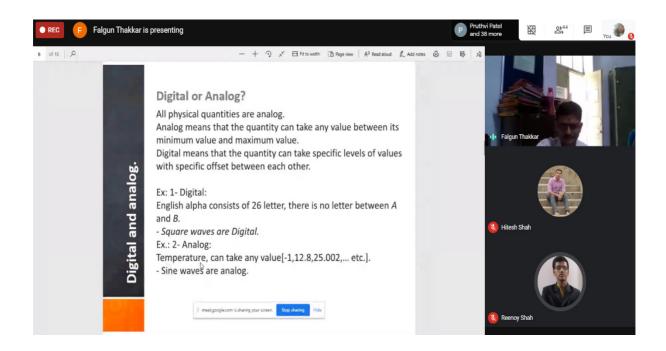


Dr.Deven Trivedi has obtained his Ph.D in Electronics & communication engineering from C.U.Shah University, Wadhwan in June 2017. He has completed Masters in Electronics & Communication in G.H Patel College of Engineering. & Technology, Vallabh Vidyanagar in 2011. Dr.Deven has published more than 15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

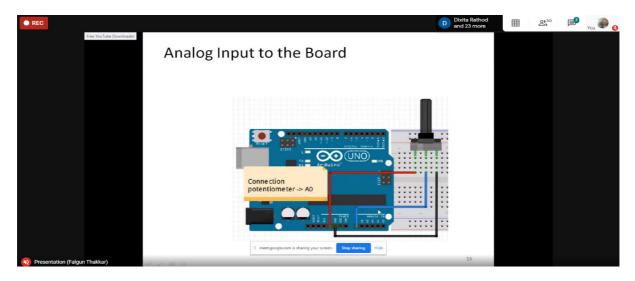
ABOUT THE WORKSHOP

The course was divided into **three sessions** from **25**th **may to 27**th **may' 2020**. The session was conducted by **DrFalgun Thakkar and DrDeven Trivedi** from the Electronics and Communication Engineering Department of G H Patel College of Engineering & Technology. The workshop was open for11th, 12th, diploma engineering and First year students of degree engineering. Finally, Students ranging from school to college took part in the workshop.

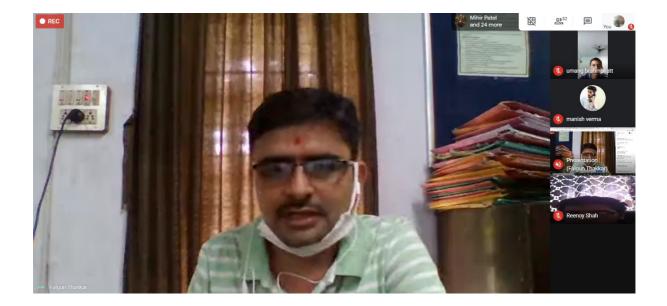
DAY 1: In the first session basics about Arduino was explained. **Micro-Controller, Arduino UNO, Sensors and Arduino Coding** were some of the topics that were covered in the first session.



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



DAY 3: session 3 was completely based on **applications of Arduino**, practical demonstrationand the doubt clearing session.



The workshop was really successful and students requested the professors to conduct many such workshops.