

ELECTRONICS DESIGN AND INNOVATION CLUB (EDIC CLUB)

Faculty Coordinators:

Mr. Jitendra Singh Jadon (jsjadon@amity.edu)

Dr Nidhi Gaur(ngaur@amity.edu)

Mr Haneet Rana (hrana@amity.edu)

Student Coordinators:

President:

Ms. Pooja Gupta (+91 97172 01559) pooja.gupta9@s.amity.edu

Joint Vice President:

Mr. Kushagra Kaushik (+91 81789 65526) kushagra.kaushik@s.amity.edu

Ms. Alina Sawney (+917042118095) alina.sawney@s.amity.edu

Joint Secretary:

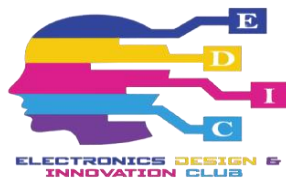
Ms. Ishita Rajput (+91 85279 69841) ishita.rajput@s.amity.edu

Mr. Deepanshu Prakash (+91 78387 20935) deepanshu.prakash@s.amity.edu

Treasurer:

Ms. Tanu Singh (+91 82872 43065) tanu.singh4@s.amity.edu

Events organized:



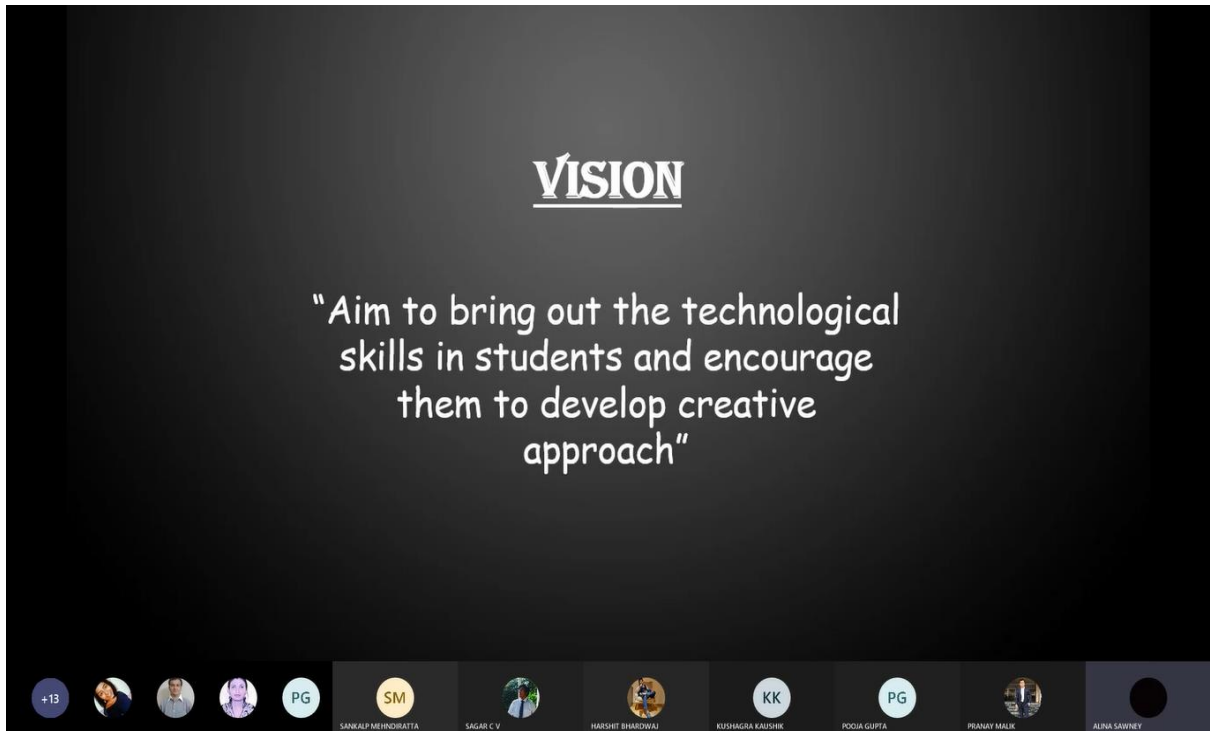
Report:

Electronics Design and Innovation Club (EDIC) of ECE department, ASET, organised the first event of the club, titled “Introductory Session” on 21st January 2021, Thursday at 3:30pm through MS Teams. The session was conducted under the guidance of Mr. J. S. Jadon, Faculty Head of EDIC and Mr.

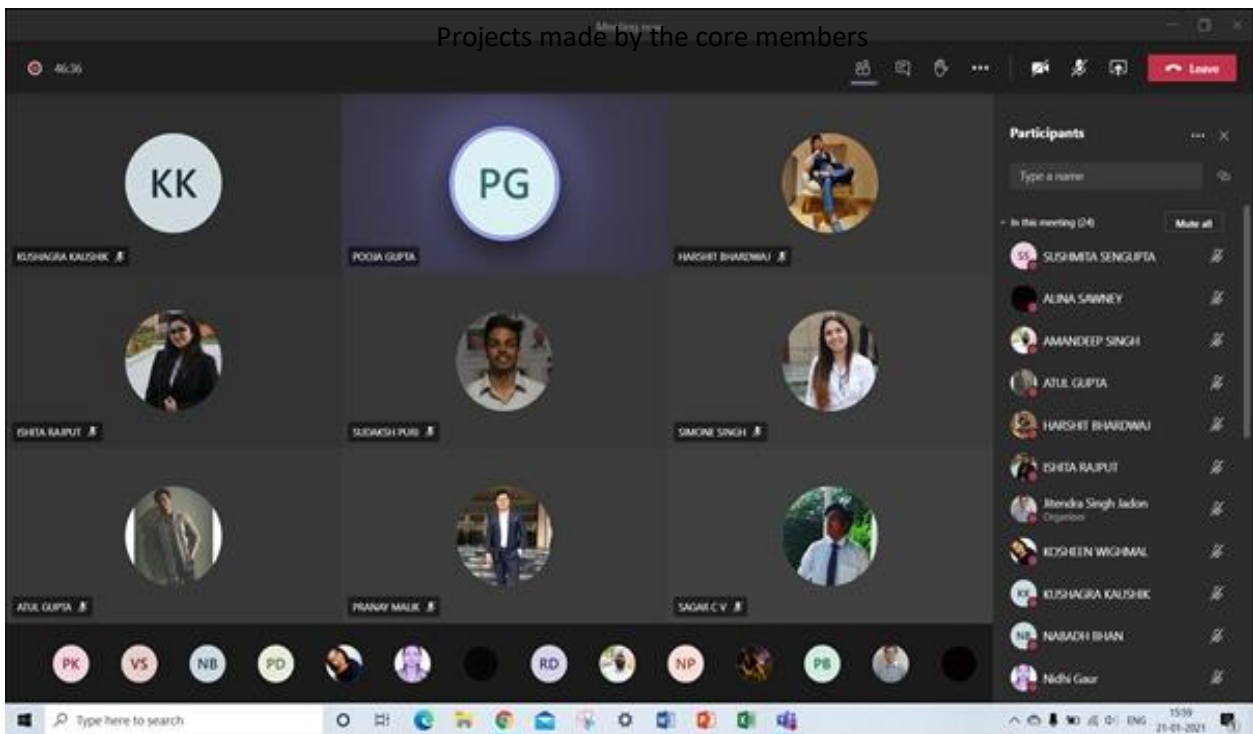
Paurush Bhulania and Ms. Nidhi Gaur, Faculty Coordinators. The event was organized by the core committee of the club (Pranay Malik, Sushmita Sengupta, Alina Sawney, Pooja Gupta, Kushagra Kaushik, Ishita Rajput, Simone Singh and Puneet Dhankad) with the aim of encouraging the students to join the new club. The session started with the introduction of the club, its motto, vision and mission followed by the introduction of the faculty heads and the students core team. The purpose of the meeting was to engage the members in a healthy ice breaking session and to gauge the basic skills and experience of the members. Further a small quiz was played covering the basics of electronics and few platforms were introduced to the participants for simulating their circuits online keeping the agenda of the club in mind: "To make the students familiar with the basic electronic devices used in day-to-day life so that they can convert their ideas into reality."



Vision of the club
Introduction of the club



Projects made by the core members




Meeting now

28:46

Request control

Two legged ROBO



POOJA GUPTA

+17

HARSHIT BHARDWAJ

ATUL GUPTA

KK

PG

PRANAV MALIK

ALINA SAWNEY

Type here to search

15:41 21-01-2021

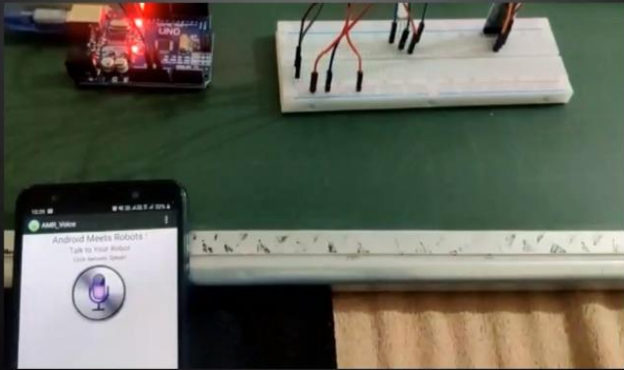
This screenshot shows a Zoom meeting window at 28:46. The main display area features a video of a 'Two legged ROBO' with a green head and white body. The meeting controls at the bottom show 17 participants, with icons for Harshit Bhardwaj, Atul Gupta, KK, Pooja Gupta, Pranav Malik, and Alina Sawney. The Windows taskbar at the bottom indicates the time is 15:41 on 21-01-2021.

Meeting now

32:40

Request control

Voice controlled Elevation Lift



POOJA GUPTA

+15

HARSHIT BHARDWAJ

ATUL GUPTA

KK

PG

PRANAV MALIK

ALINA SAWNEY

Type here to search

15:45 21-01-2021

This screenshot shows a Zoom meeting window at 32:40. The main display area features a video of a 'Voice controlled Elevation Lift' setup, including a smartphone with an Android app, a breadboard with electronic components, and a servo motor. The meeting controls at the bottom show 15 participants, with icons for Harshit Bhardwaj, Atul Gupta, KK, Pooja Gupta, Pranav Malik, and Alina Sawney. The Windows taskbar at the bottom indicates the time is 15:45 on 21-01-2021.

Designing circuit using tinkercad

Meeting now

38:03

Request control

Leave

Circuit design servo | Tinkercad

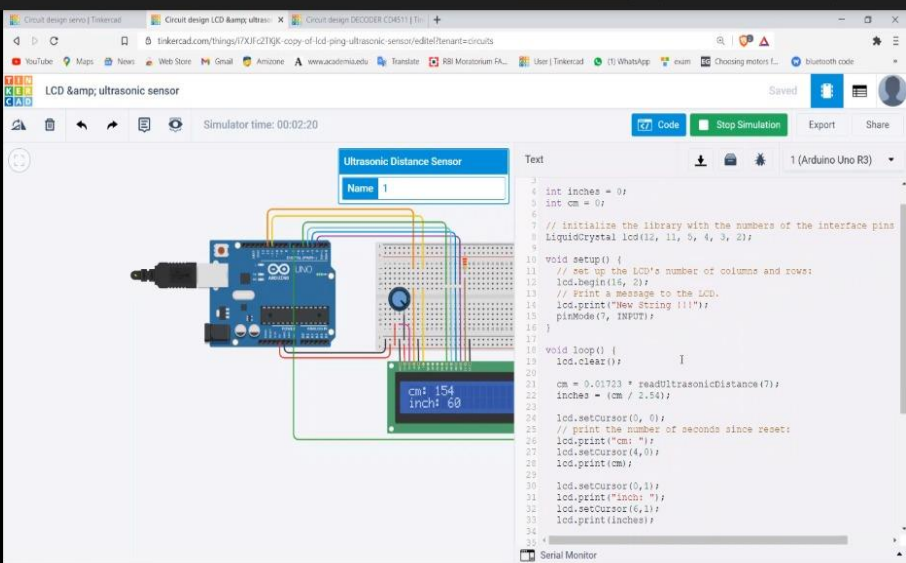
tinkercad.com/things/7XJfG2TgK-copy-of-lcd-ping-ultrasonic-sensor/edit?tenant=circuits

LCD & ultrasonic sensor

Simulator time: 00:02:20

Code Stop Simulation Export Share

1 (Arduino Uno R3)



```
1 int inches = 0;
2 int cm = 0;
3
4 // initialize the library with the numbers of the interface pins
5 LiquidCrystal lcd(12, 11, 5, 4, 3, 2);
6
7 void setup() {
8   // set up the LCD's number of columns and rows:
9   lcd.begin(16, 2);
10  // print a message to the LCD.
11  lcd.print("New String !!!");
12  pinMode(7, INPUT);
13 }
14
15 void loop() {
16   lcd.clear();
17
18   cm = 0.01733 * readUltrasonicDistance(7);
19   inches = (cm / 2.54);
20
21   lcd.setCursor(0, 0);
22   // print the number of seconds since reset:
23   lcd.print("cm: ");
24   lcd.setCursor(4, 0);
25   lcd.print(cm);
26
27   lcd.setCursor(0, 1);
28   lcd.print("inch: ");
29   lcd.setCursor(6, 1);
30   lcd.print(inches);
31 }
32
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```

Serial Monitor

KUSHAGRA KAUSHIK

+17

HARSHIT BHARDWAJ ATUL GUPTA PRANAV MALIK ALINA SAWNEY POOJA GUPTA KUSHAGRA KAUSHIK

Type here to search

15:51 21-01-2021

Circuit design servo | Tinkercad

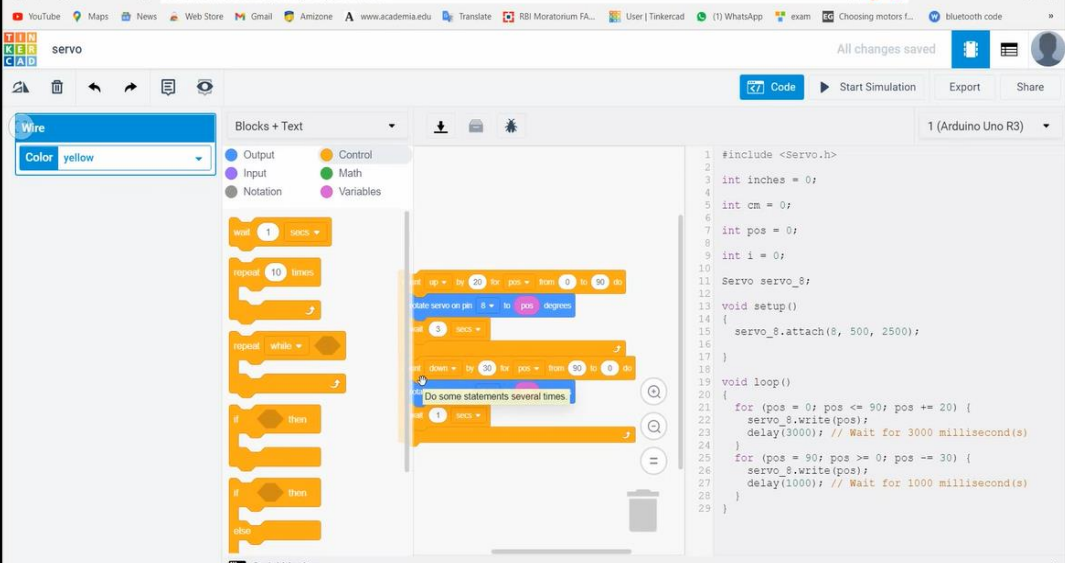
tinkercad.com/things/3M.MgK51fyx-servo/edit

servo

All changes saved

Code Start Simulation Export Share

1 (Arduino Uno R3)



```
1 #include <Servo.h>
2
3 int inches = 0;
4
5 int cm = 0;
6
7 int pos = 0;
8
9 int i = 0;
10
11 Servo servo_8;
12
13 void setup()
14 {
15   servo_8.attach(8, 500, 2500);
16 }
17
18 void loop()
19 {
20   for (pos = 0; pos <= 90; pos += 20) {
21     servo_8.write(pos);
22     delay(3000); // Wait for 3000 millisecond(s)
23   }
24   for (pos = 90; pos >= 0; pos -= 30) {
25     servo_8.write(pos);
26     delay(1000); // Wait for 1000 millisecond(s)
27   }
28 }
29
```

Serial Monitor

+16

SAGAR C.V. HARSHIT BHARDWAJ ATUL GUPTA PRANAV MALIK POOJA GUPTA POOJA GUPTA KUSHAGRA KAUSHIK

Type here to search

54% 8:19 PM 1/27/2021

Pictorial quiz

The image is a screenshot of a Zoom meeting interface. The main display area shows a quiz question titled "Question-4" which asks to "Identify the n side and p side of the given pn-diode." Below the text is a schematic diagram of a pn-junction diode, represented by a horizontal line with a triangle pointing to the right and a vertical bar on the right side. The meeting interface includes a top bar with a "Request control" button and a "Leave" button. On the right side, there is a "Participants" panel with a search bar and a list of attendees including Harshit Bhargwaj, Sagari C V, Nikhil Prasad, Shishmita Sengupta, Alina Srinney, Amandeep Singh, Atul Gupta, Ishita Raiput, Renuka Singh Jadon, Kishreen Waghwal, and Kishagra Kalshrik. At the bottom, there is a toolbar with icons for chat, mute, video, and other meeting controls, along with a Windows taskbar at the very bottom.

