



# **Event Report**

**Date: 13.05.2023**

**Participants Details: B.Tech**

**Event Title: Introduction to Arduino Programming for Robotic Applications**

**Total Participants: 46**

## **Brief Report**

Workshop for Introduction to Arduino Programming for Robotic Application was conducted on 13<sup>th</sup> May, 2023 in AB2 Smart classroom. Many FFCS and non – FFCS members were present. The workshop. We instructed our participants to get some hands-on experience using Tinkercad. The event started at 11:30. We started with the Introduction of the Workshop. We also told the participants what will be the outcomes at the end of the workshop. For this topic, we selected obstacle avoidance robot as one our examples so that participants can understand very clearly. We explained about the components used in Obstacle avoidance robot and also told them how it works.

Design and working of Obstacle avoidance robot was given. Since the main part was Arduino in this workshop, we summarised types of Arduino and explained each of them. Arduino pin diagram was told to participants, what each pin does and also showed the connections of Obstacle avoidance robot and explained why the connections has been made. There was a basic description of coding in Arduino given to the participants. The coding of led blinking and obstacle avoidance was explained by each and every line. We showed the participants the working of obstacle avoidance robot and finally we gave some hands- on experience for the participants to connect led blinking and obstacle avoidance robot connections in tinkercad.

## **Sessions Covered**

1. Introduction to basic Components
2. Tinkercad Simulation
3. Programming of Arduino Uno
4. Live demonstration of the working model



### List of Participants

#### Workshop Feedback-1

J Threvikram
Aujasv Goyal
Shivani Narayan L
Vikash Vijayan A
Adit Deshpande
Harsh Shekar
S.Swapnil
Soham Bhakat
Soham Bhakat
Soham Bhakat
K G ASHWIN VIKRAM
Avinash V
Kalapatapu shreya
Sindhuja Kuppili
Sherwyn John I
Ks varshithram
Aakash S
Sanjana Gowda
Sujeeth Sundaram
Kirtan Rajesh
M.P.Madhan
Najid k
Shivram Harshavardhana
Madhav Sunil
Prasanna Venkatesh
Aadhithya D
K Shree Bala

#### Workshop Feedback

Arjun TM
Chanakya Bhardwaj Mudunuru
Sree Dananjay S
Jaya Adithya
Haroon Rashid M
Shrinivasan.M
S. Gowtham Mallaya
Sreyas G S
Jai Pratap Singh
GOPIYANANTHAM M
Mithun.P
S Sai krishna
NEVATHA SRI.R
Aravind Prasad R
Harisudhan.P
Gopi Varshan K R
Ashwanth. M
G.Srikrishnan
Jerlin Abraham



### Event Photos





**Feedback:**

[https://drive.google.com/drive/folders/12Vn1gbmFBCema3p74KnBI6evStUyCzp4?usp=share\\_link](https://drive.google.com/drive/folders/12Vn1gbmFBCema3p74KnBI6evStUyCzp4?usp=share_link)

The above link contains all the resources used for the workshop including the feedbacks collected from the participants.

**Student Co-ordinators:**

Coordinator 1: Shivaram K K 21BCE6171 (Projects Department)

Coordinator 2: Sumit 21BCE6177 (Design Department)

Coordinator 3: Hariprasad 21BCE6175 (WebDev Department)

Coordinator 4: Keerti M 21BCE6172 (Projects Department)