

#### DON BOSCO INSTITUTE OF TECHNOLOGY, MUMBAI

# DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

## **Report on Tinkercad Workshop**

**Topic:** "Tinkercad Workshop"

Date: 3rd and 4th July 2021

**Time:** 3:00 - 5:00 p.m.

**Venue:** Zoom Meeting (Online Platform)

## **Speakers:**

1. Ms. Ajitha Rajkumar(Chairperson - IEEE DBIT)

2. Mr. Velton D'Souza(Treasurer - IEEE DBIT).

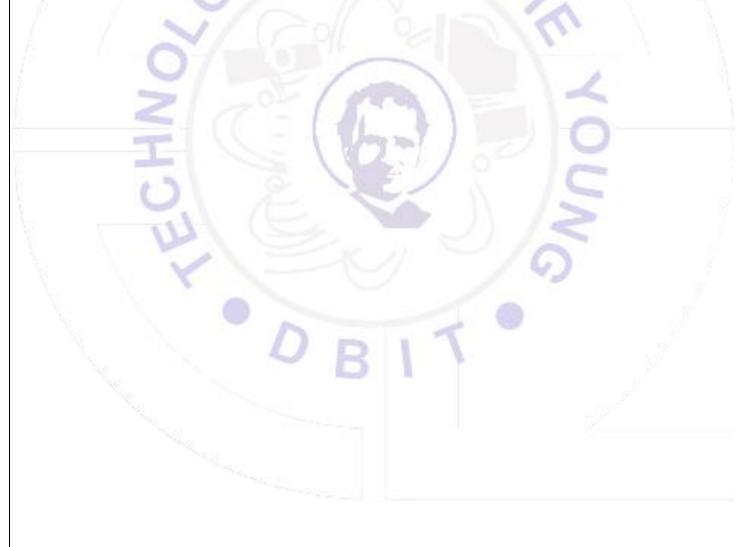
No. of participants attended: 13

## **Description:**

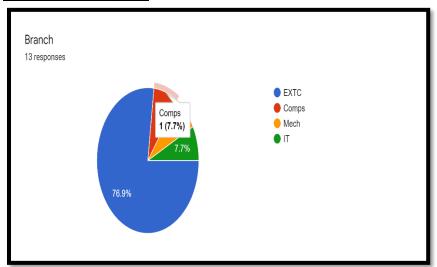
- IEEE-DBIT Student Branch conducted a workshop extensively covering the Tinkercad software on 3<sup>rd</sup> July 2021 and 4<sup>th</sup> July 2021 from 3:00 pm to 5:00 pm.
- The workshop helped the participants gain a hands-on experience of Tinkercad by designing gates and electric circuits from basic to advanced levels.
- Ms. Ajitha Rajkumar commenced the session on 3<sup>rd</sup> July 2021 by welcoming all the students and provided a gist of what is to be expected from the session and what would be expected of the students for the successful completion of the workshop.
- The workshop was structured into a well-defined and systematic schedule in the following manner to help students reap maximum benefit from the session.

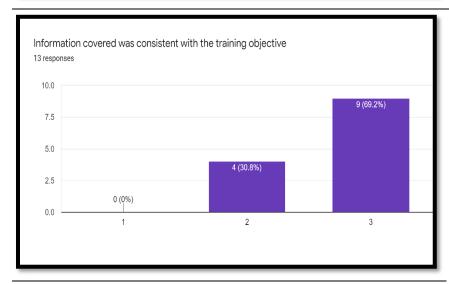
Day	Topics	Speaker	
3 <sup>rd</sup> July	Introduction to Tinkercad	Ms.Ajitha	
2021	- Interface Exploration	Rajkumar	
	- Benefits	.5	
	- Uses		
	- Advantages/Disadvantages		
	- Advantages/Disadvantages		
	2. Explanation of Pin diagram, Gates, Half Adder		
	Electrical Circuits.		
	Electrical Circuits.		
	2 Implementation of the following:		
	3. Implementation of the following:		
	- AND Gate		
	- OR Gate	Prop.	
	- Half Adder	3/	
4 <sup>th</sup> July	1. Difference between Microcontrollers and	Mr. Velton	
2021	Microprocessors.	D'Souza	
	2. Introduction to Arduino Uno	N &	
	- Uses		
	- Pin Diagram	N	Ä.
	- Functions of various pins.	N.	K
	- Basic Arduino Programming.		1
	- Applications.	4	13
Name of Street	- Applications.		
	3. Arduino and TinkerCad		
		3	
- 7	- Various types of Arduino in Tinkercad		
-		Gira Control	
	4. Implementation of blinking of LED using Arduino on	To the same of the	
	Tinkercad.		
	- Circuit assembly on breadboard with LED's, resistors,		7
	wires, jumpers and Arduino Uno.		100
	- Walkthrough of the block code to implement the same.		J.
		3	ř
	0 - 7		
	URII	100	
		27. N	
		200	

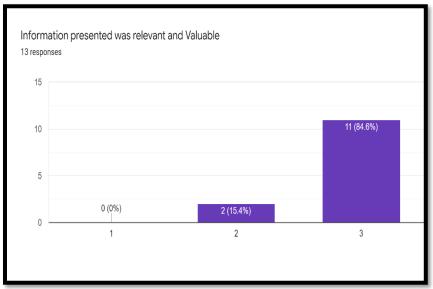
- On both the days the participants were encouraged to perform the implementation of the circuits by themselves and screen share the same. For this a buffer period of 15 minutes was provided from 3:30 pm to 4:45 pm.
- The last 15 minutes of the session on both days was exclusively devoted for answering the queries posted by the participants.
- Ms.Ajitha Rajkumar concluded the workshop on 4<sup>th</sup> July 2021 by thanking the students for their active participation in the workshop and encouraged them to extend similar cooperation for all the future events to be conducted by IEEE DBIT Student Branch. Finally, some general information about the various IEEE membership opportunities were shared with the enthusiastic participants and also informed them to follow the social media handles of IEEE to stay updated on all further events to be held in the upcoming days.

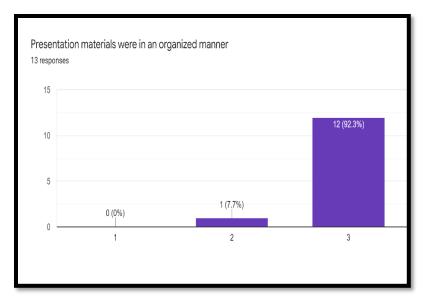


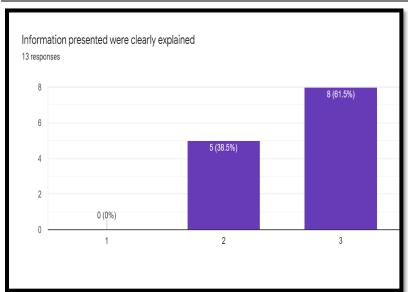
## Feedback Analysis:

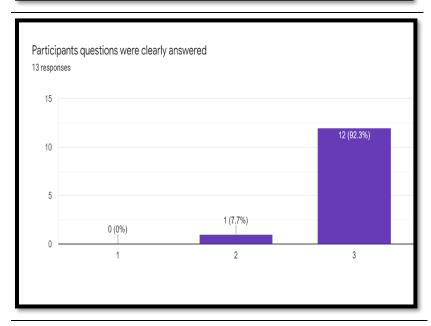


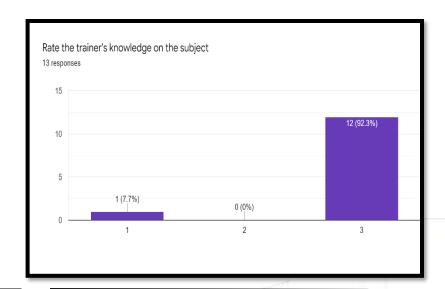












## **Summary of Webinar Analysis:**

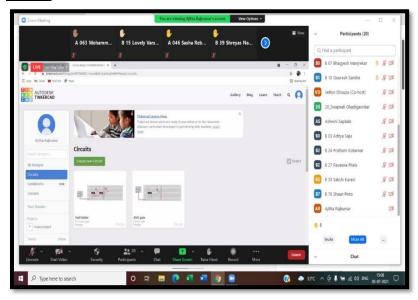
From the above analysis we can infer that the overall reception to the workshop was quite positive and the participants found the sessions to be very satisfactory and informative. As reflected in the feedback, the workshop helped many students gain a clear perspective about Tinkercad and were confident of designing circuits in the software. Further, many students were quite optimistic about attending such similar workshops in the future.

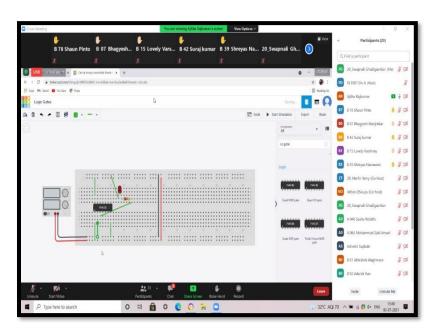
### **Event Poster:**

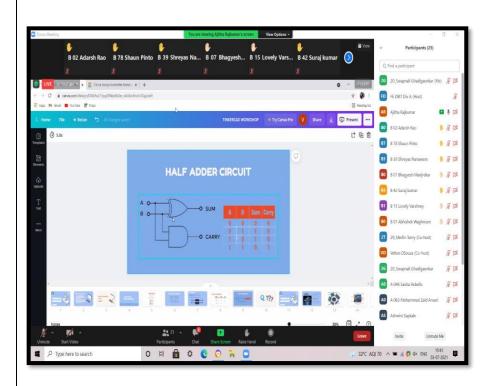


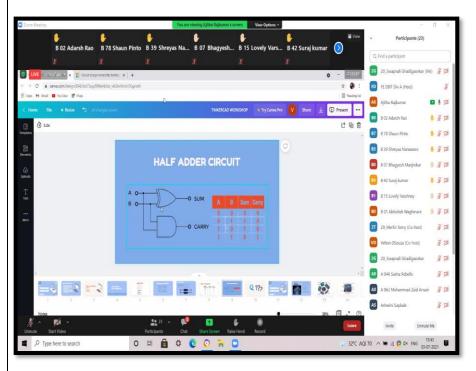
#### **Event Photographs:**

#### Day 1:



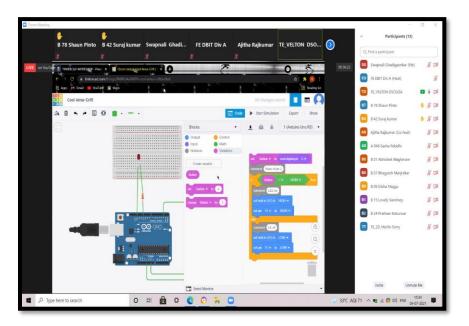


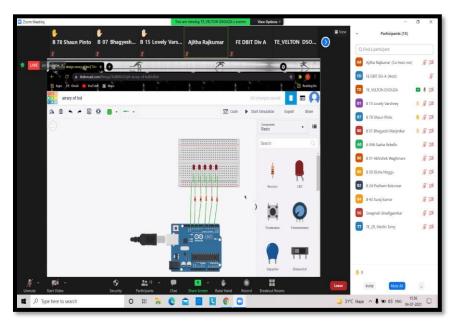


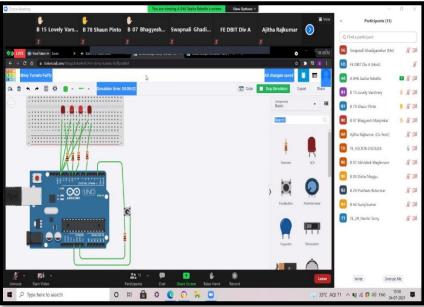


#### Day 2:









Report Prepared By: Ms. Ria George (Secretary - IEEE DBIT )

Report Approved By: Prof. Gejo George (IEEE-DBIT-SB Counselor)