

Don Bosco Institute of Technology

Department of Computer Engineering

Report on “Application of Digital Circuits in real time”

Title: Guest Session on “Application of Digital Circuits in real time”

Date: 07/10/22

Time: 11:15 pm - 12:15 pm

Participants : 47

Speakers: Dr. Sudhakar Mande (from Extc Dept., DBIT)

Organizing Department/Committee/Authority: Computer

Faculty Coordinators: Prof. Sana Shaikh

Student Coordinators: Leander Braganza, Shanaya Carvalho

Objective:

- To understand the Application of Digital Circuits in real time

Outcomes:

- Understanding the importance of Digital Circuits and its applications
- Implementing them in real world problems

Report:

A session on Application of Digital Circuits in real time was conducted on 07th October, 2022 11.15 pm to 12.15 pm. The speaker of the session was Dr. Sudhakar Mande. This session was organized by our subject incharge, Prof. Sana Shaikh. We were all intrigued and eager to hear them out. Sir started the session by giving us a briefing on the history of Computers, starting from the very first computer that was ever made. He then continued the session by giving us a gist on the history of VLSI and how it works. He also explained to us what low power VLSI design is and how it is used. While explaining this all he also told us about the First ever transistor and integrated circuit.

He even went further to explain to us the Architecture of Microprocessors. While explaining he also gave us knowledge on what is reducing switching activity, concept pipelining, gated clock signal. He further went on to explain what parallel processing is. He also gave us valuable information on why CMOS technology is used. The main aim of this session was that we as Engineering students will be able to implement Digital circuits by knowing how they work in real time. The session was drawn to a conclusion by presenting Dr. Sudhakar Mande with a token of Appreciation by Prof. Sana Shaikh.

Participants:

Faculty Coordinator: Prof. Sana Shaikh
Resource Person: Dr. Sudhakar Mande

Class: SE Comp
Date: 7-10-2022

1	Shrikant Acharya	
2	Jeferin Antony	<u>AB</u>
3	Anushka Emily Joseph	<u>AB</u>
4	Bhaskar Singh Bhakuni	<u>AB</u>
5	Leander Braganza	<u>AB</u>
6	Shanaya Carvalho	<u>AB</u>
7	Aditya Chauhan	<u>AB</u>
8	Karan Chavan	<u>AB</u>
9	Gaven Dcosta	<u>AB</u>
10	Sheldon Dcosta	<u>AB</u>
11	Aaradhya Deotale	<u>AB</u>
12	Kaustubh Desale	<u>AB</u>
13	Shreya Doiphode	<u>AB</u>
14	Aarol Gerard Dsouza	<u>AB</u>
15	Ansel Dsouza	<u>AB</u>
16	Clarissa Dsouza	<u>AB</u>
17	Edwin	<u>AB</u>
18	Rovan Fernandes	<u>AB</u>
19	Shaun Fernandes	<u>AB</u>
20	Figo Fernandez	<u>AB</u>
21	Manuel Ferreira	<u>AB</u>
22	Siddhi Gadage	<u>AB</u>
23	Vedant Ghag	<u>AB</u>
24	Aman Gupta	<u>AB</u>
25	Joel	<u>AB</u>
26	Roshan Kainee	<u>AB</u>
27	Srushti Kale	<u>AB</u>
28	Shubham Keluskar	<u>AB</u>
29	Hani Kotian	<u>AB</u>
30	Risha Kundar	<u>AB</u>
31	Devendra Kushwaha	<u>AB</u>
32	Jessjohn Kuthokkathen	<u>AB</u>
33	Kevin Lewis	<u>AB</u>
34	Melwin Lewis	<u>AB</u>

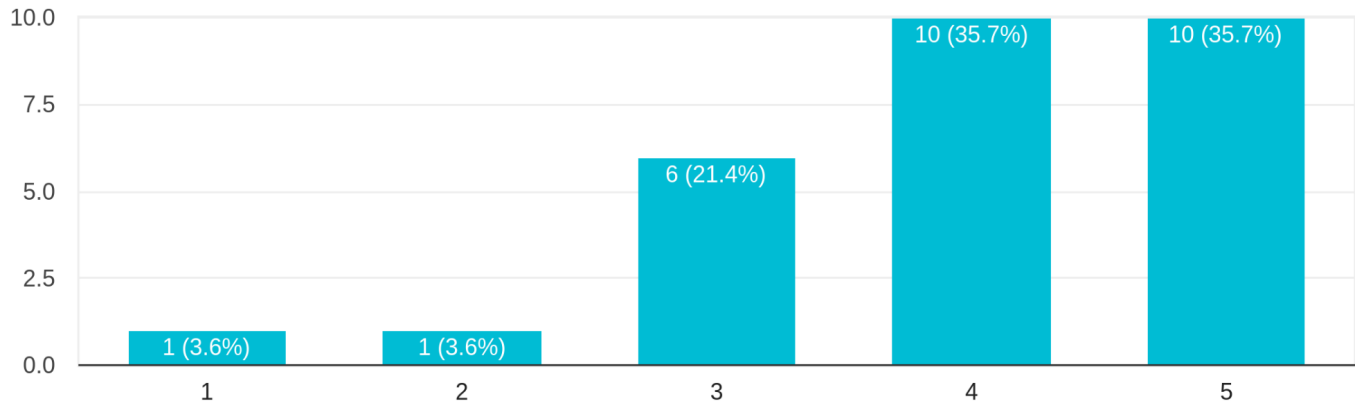
35	Paritosh Mallick	<u>AB</u>
36	Shantanu Mande	<u>AB</u>
37	Johan Mathew	<u>AB</u>
38	Joshua Menezes	<u>AB</u>
39	Gaurav Mishra	<u>AB</u>
40	Marc Nadar	<u>AB</u>
41	Shweta Nadar	<u>AB</u>
42	Manish Patil	<u>AB</u>
43	Colin Pereira	<u>AB</u>
44	Gavin Pereira	<u>AB</u>
45	Niraj Pingale	<u>AB</u>
46	Saniya Rawat	<u>AB</u>
47	Merwin Rebello	<u>AB</u>
48	Malivia Rodrigues	<u>AB</u>
49	Shaun Rodrigues	<u>AB</u>
50	Chris Ruzario	<u>AB</u>
51	Nicole Anne Saldanha	<u>AB</u>
52	Aditya Samant	<u>AB</u>
53	Noel Sangle	<u>AB</u>
54	Rushikesh Sapkal	<u>AB</u>
55	Sameer Shaikh	<u>AB</u>
56	Shruti Shelar	<u>AB</u>
57	Prateeksha Sheregar	<u>AB</u>
58	Aveesah Siddiqui	<u>AB</u>
59	Aditya Singh	<u>AB</u>
60	Sahil Singh	<u>AB</u>
61	Ananya Solanki	<u>AB</u>
62	Atharva Tamhanekar	<u>AB</u>
63	Abhinav Upadhyay	<u>AB</u>

7/10/22

Session Feedback:

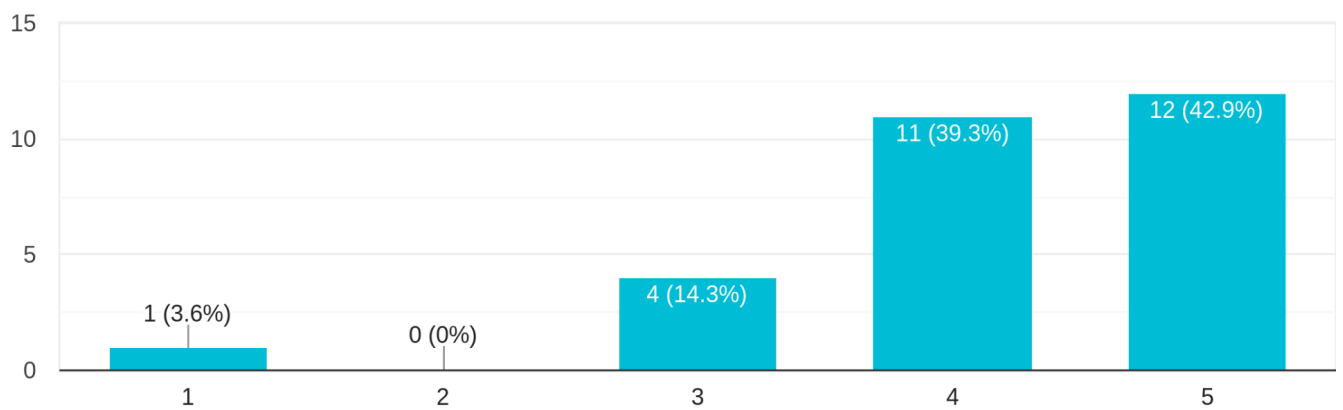
The session gave good insights about "Applications of Digital Circuits in real time"

28 responses



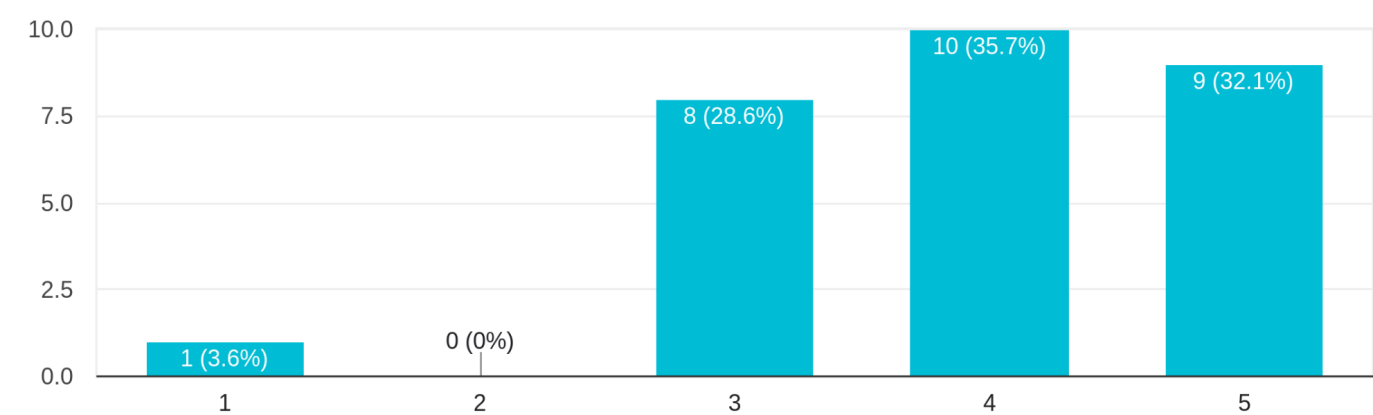
The speaker was able to deliver appropriate information about the concept.

28 responses



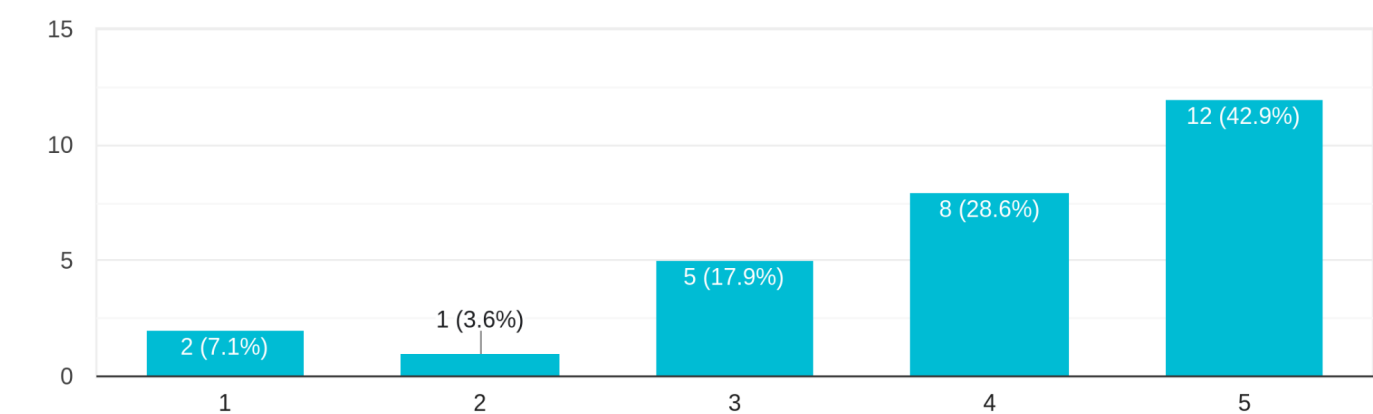
The session was thought provoking and engaging.

28 responses



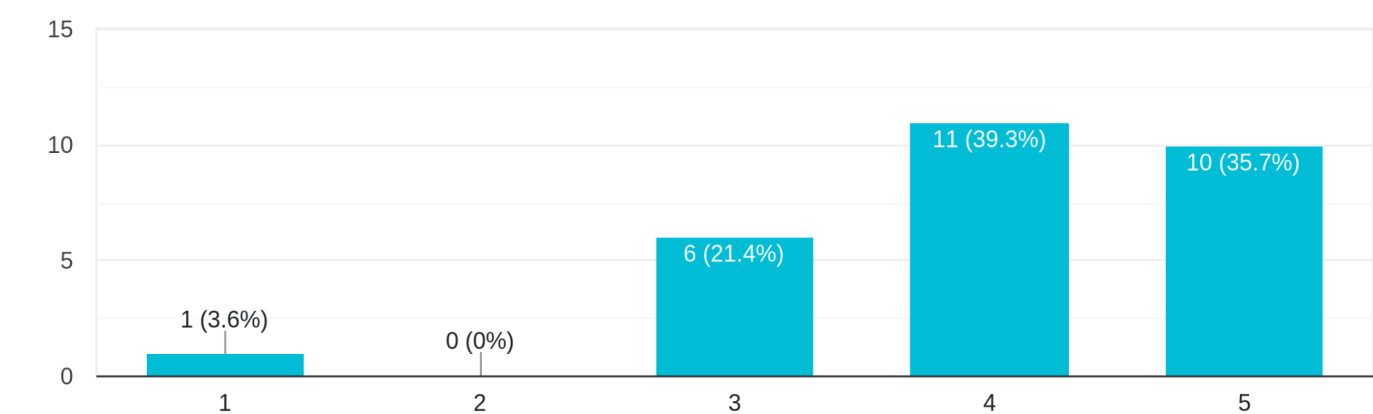
The speaker was able to answer all questions satisfactorily.

28 responses

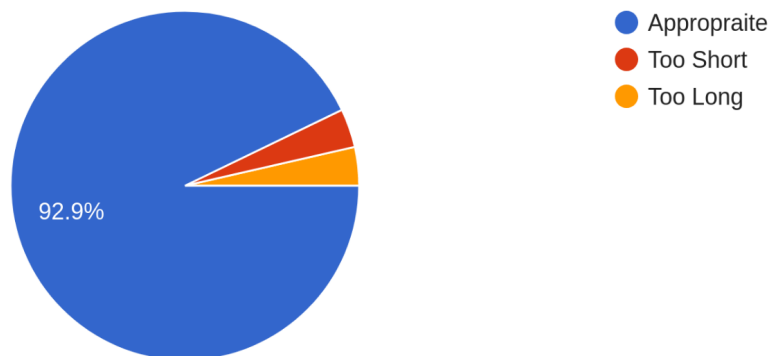


Knowledge gained from this session will help me in future.

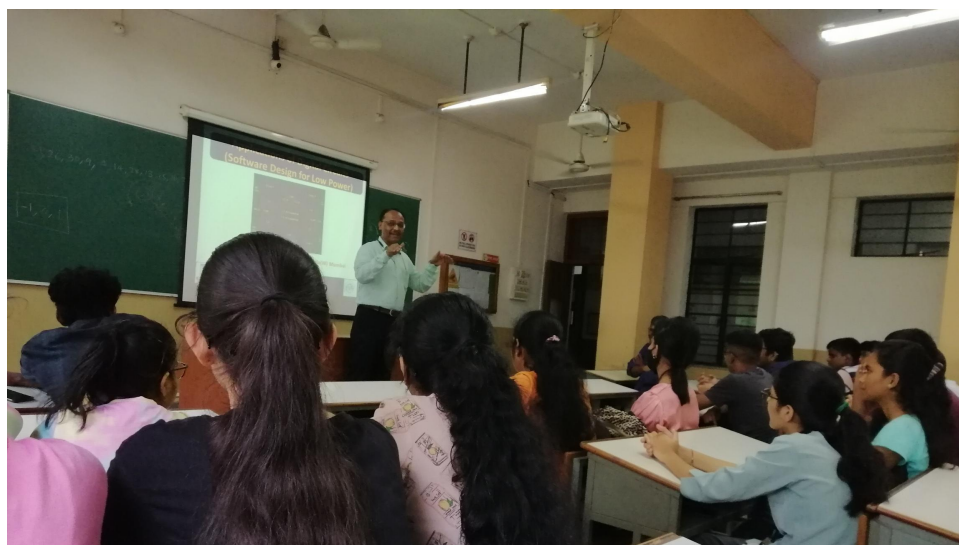
28 responses



Duration of the session was
28 responses



Session Photos:



Report prepared by:
Shanaya Carvalho (COMPS SE-CR)
Prof. Sana Shaikh (Faculty Incharge)