

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

HANDS ON WORKSHOP ON DIGITAL SYSTEM DESIGN USING CIRCUIT SIMULATIONS.

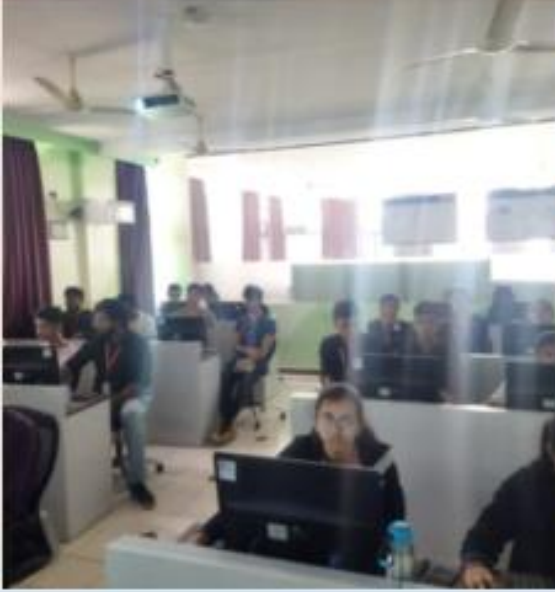
Date	:16-01-2024
Duration	:11 am-5 pm
Workshop topic	:Hands on Workshop on Digital System Design using Circuit Simulations.
Number of Participants	:28
Resource person	:Mr Madan Gopal. M (Pursuing Ph.D VLSI HLS FPGA), Director and Corporate Trainer VLSIT&P Services Private Limited. www.vlsitnp.co.in

On January 16th, a comprehensive hands-on workshop on Digital System Design using Circuit Simulations took place in the EDA Lab. The workshop, tailored for 3rd-semester students, covered essential topics to enhance their understanding of digital systems.

Agenda of the workshop were:

- Configuration of 2-input gates to achieve various simple functionalities.
- Configuring Multiplexors as 2-input gates.
- Introduction to Combinational Circuits (a subset covered).
- Introduction to Sequential Circuits (a subset covered).
- Understanding the timing parameters of Flip-Flops.

The workshop was facilitated by Mr. Madan Gopal. M (Ph.D. candidate specializing in VLSI HLS FPGA). Mr. Gopal is the Director and Corporate Trainer at VLSIT&P Services Private Limited, bringing a wealth of practical knowledge to the session. The workshop utilized the CAD Logisim Tool, providing a hands-on experience for the participants in implementing and simulating digital circuits. The workshop delved into practical aspects, allowing participants to explore the configuration of 2-input gates for different functionalities. The use of Multiplexors as 2-input gates was also demonstrated. Additionally, a subset of Combinational Circuits and Sequential Circuits was covered, providing students with foundational knowledge. The session concluded with an in-depth exploration of the timing parameters of Flip-Flops. The Hands-on Workshop on Digital System Design using Circuit Simulations was a successful endeavour, providing students with valuable insights and practical skills. The use of the CAD Logisim Tool, coupled with the expertise of Mr. Madan Gopal, enhanced the learning experience. We extended our gratitude to Mr. Gopal for his valuable contribution and look forward to more such enriching workshops in the future.



NEW HORIZON
COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Presents

Hands on Workshop on Digital System Design using Circuit Simulations

📅 16 January 2024 | 11:00 AM - 05:00 PM

📍 EDA Lab, ECE Department, NHCE, Bangalore.

👥 3rd semester ECE students.

Speaker

Mr. Madan Gopal M
Director and Corporate Trainer
VLSIT&P Services Private Limited

Convenor

Dr. Aravinda K
HOD - ECE

Faculty coordinator

Ms. Saina Joy
Assistant Professor



FACULTY CORDINATOR

HOD

Participants list					
No	Name	USN	Section	Signature	
				11am-1.30pm	2.30pm-5pm
1	Charanya S Reddy	1NH22EC036	A	<i>C Reddy</i>	<i>C Reddy</i>
2	Haripriya .K	1NH22EC058	A	<i>HK</i>	<i>HK</i>
3	Harika T	1NH22EC057	A	<i>Harika</i>	<i>Harika</i>
4	Anupama.S	1NH22EC020	A	<i>Anupama</i>	<i>Anupama</i>
5	Alisetty likhith	1NH22EC010	A	<i>A.likhithy</i>	<i>A.likhithy</i>
6	Devain s Mahendarkar	1NH22EC043	A	<i>Devain</i>	<i>Devain</i>
7	Abdullah Mohsin	1NH22EC001	A	<i>Abdullah</i>	<i>Abdullah</i>
8	Ankit P	1NH22EC016	A	<i>Ankit</i>	<i>Ankit</i>
9	Abhijith ub	1NH22EC002	A	<i>Abhijith ub</i>	<i>Abhijith ub</i>
10	Bhavya	1NH22EC029	A	<i>AB</i>	
11	S.HARISH	1NH22EC059	A	<i>Harish</i>	<i>Harish</i>
12	Anshika Upadhyay	1NH22EC018	A	<i>Anshika</i>	<i>Anshika</i>
13	Prerana H N	1NH22EC119	B	<i>Prerana</i>	<i>Prerana</i>
14	Monisha	1NH22EC103	B	<i>Monisha</i>	<i>Monisha</i>
15	Hemaganga Y B	1NH22EC063	B	<i>Hemaganga</i>	<i>Hemaganga</i>
16	Laddu shaahid ali shaik	1NH22EC081	B	<i>AB</i>	
17	K.R.Ranjitha.Bhat	1NH22EC069	B	<i>Ranjitha</i>	<i>Ranjitha</i>
18	Inchara SK	1NH22EC064	B	<i>Inchara</i>	<i>Inchara</i>
19	S Srivathsav	1NH22EC142	C	<i>S Srivathsav</i>	<i>S Srivathsav</i>
20	R Somusekhar Reddy	1NH22EC139	C	<i>Somusekhar</i>	<i>Somusekhar</i>
21	Vishwachetan Kittali	1NH22EC182	C	<i>Vishwachetan</i>	<i>Vishwachetan</i>
22	Yeruva Venkata Sasi Kiran Reddy	1NH22EC188	C	<i>Yeruva Venkata Sasi Kiran Reddy</i>	<i>Yeruva Venkata Sasi Kiran Reddy</i>
23	Rohit Y Patil	1NH22EC138	C	<i>Rohit</i>	<i>Rohit</i>
24	Rahul Mahesh	1NH22EC127	C	<i>Rahul</i>	<i>Rahul</i>
25	Sriraj Ramesh	1NH22EC160	C	<i>Sriraj</i>	<i>Sriraj</i>
26	Varsha Reddy R	1NH22EC174	C	<i>Varsha Reddy</i>	<i>Varsha</i>
27	Sneha S	1NH22EC157	C	<i>Sneha.S</i>	<i>Sneha.S</i>
28	S.saikrishna	1NH22EC163	C	<i>AB</i>	
29	Ranjitha.R	1NH22EC129	C	<i>Ranjitha</i>	<i>Ranjitha</i>
30	SHRAVANI P	1NH22EC153	C	<i>Shravani P</i>	<i>Shravani P</i>

Deepthi.G

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