

## Department of Electronics and Communication Engineering

### Title : Digital and Analog VLSI design using EDA Tools

A Technical Talk programme was organized on 07<sup>th</sup> October-2022 for 7<sup>th</sup> SEM ECE students, East Point College of Engineering and Technology.

This talk provides a great opportunity to learn about the various EDA Tools in the design of Analog and digital circuits in VLSI.

### BROCHURE:



 **EAST POINT** COLLEGE OF ENGINEERING & TECHNOLOGY  
Department of Electronics and Communication Engineering

*In Association with*

 **VLSiT&P**

*Technical Talk On*

**Digital and Analog VLSI design using EDA Tools**

**Resource Person**

**Mr. Madan Gopal . Mekala (Ph.D-VLSI-HLS)**  
VLSI T & P, Bangalore

Co-Ordinators  
Dr. Harshavardhana Reddy K  
Prof. Radhamani R

Dr. Yogesh G S  
Principal (I/C)  
EPCET

**Registration Link <https://forms.gle/wsTqaHG3vG8Yyrf7>**

**DATE : 07<sup>th</sup> Oct 2022, 10.00 AM**

## BANNER :

**EAST POINT** COLLEGE OF ENGINEERING & TECHNOLOGY  
Department of Electronics and Communication Engineering  
In Association with  
**VLSiT&P**  
Technical Talk  
On  
**Digital and Analog VLSI design using EDA Tools**  
**Mr. Madan Gopal. Mekala (Ph.D - VLSI - HLS)**  
VLSiT&P, Bangalore

Registration Link  
<https://forms.gle/wsTqaHG3vG8Yyrf7>

DATE & TIME  
07-10-2022  
10.00 AM

**Dr. Harshavardhana Reddy K**  
**Prof. Radhamani R**  
Co-Ordinators

**Dr. Yogesh G S**  
Principal (I/C)  
Head, ECE-EPCET

## Objectives:

- Students will be able to develop MOS structure using the microwind tool
- Allows students to practice various design technique based on technology and adaptation in CMOS transistor characteristics.

## POs Mapped:

PO5: MODERN TOOL USAGE

PO6: THE ENGINEER AND SOCIETY

PO9: INDIVIDUAL AND TEAM WORK

## Summary:

Microwind is a tool for **designing and simulating circuits at layout level**. The tool features full editing facilities (copy, cut, past, duplicate, move), various views (MOS characteristics, 2D cross section, 3D process viewer), and an analog simulator. DSCH is a software for logic design.

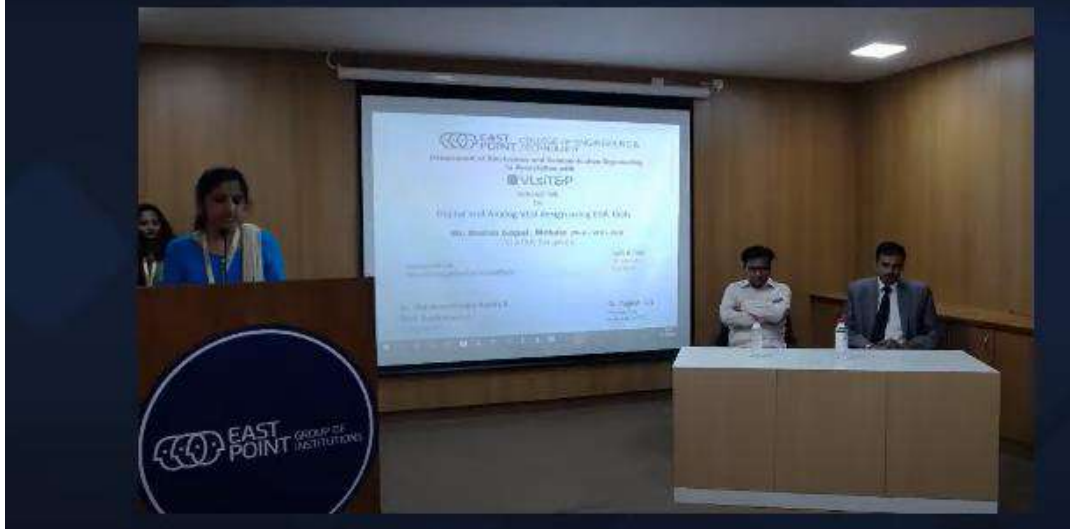
The combination of reduced channel length, decreased oxide thickness and strained silicon achieves a substantial gain in drive current for both nMOS and pMOS devices. The tool Microwind in its version 3.1 is configured by default in **90 nm** technology.

Microwind unifies schematic entry, pattern based simulator, SPICE extraction of schematic, Verilog extractor, layout compilation, on layout mix-signal circuit simulation, cross sectional & 3D viewer, netlist extraction, BSIM4 tutorial on MOS devices and sign-off correlation to deliver unmatched design performance and productivity.

### SNAPS OF THE DAY:



## Technical Talk on Digital & Analog design using EDA Tools



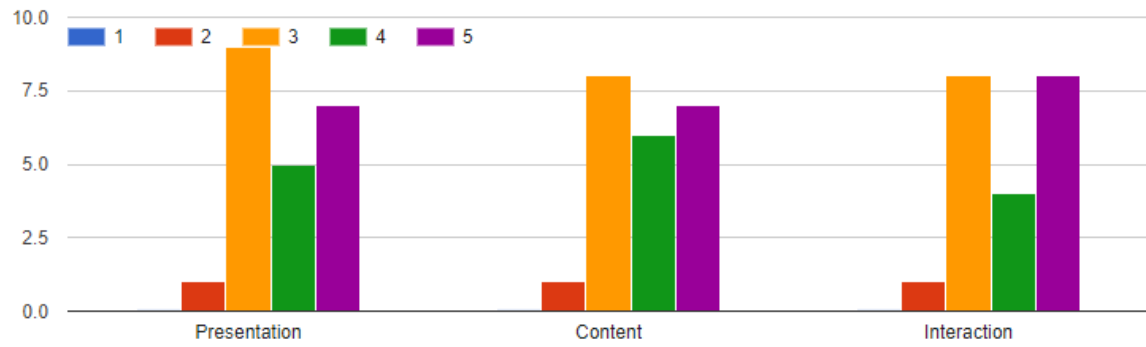
## ATTENDANCE LIST

Number of Participants: 28

SL. NO.	USN	STUDENT NAMES
1.	1EP19EC001	ABHIRAM P
2.	1EP19EC002	ANINDYA SARKAR
3.	1EP19EC003	ANNU KUMARI
4.	1EP19EC004	ASHWINI KS
5.	1EP19EC009	CHIRANTHANA SL
6.	1EP19EC012	DIVYA KS
7.	1EP19EC013	DONTHI REDDY VASANTH KUMAR REDDY
8.	1EP19EC016	IPSHITA BHATTACHARJEE
9.	1EP19EC017	JITESH B R
10.	1EP19EC021	KAVYASHREE S
11.	1EP19EC022	KEERTHANA M
12.	1EP18EC002	AFREEN BANU
13.	1EP19EC027	MEGHANA L
14.	1EP19EC030	NAUSHEEN FARHAN I
15.	1EP19EC031	NAVYA SHREE N
16.	1EP19EC038	RAJ PRABAL SINGH
17.	1EP19EC039	SATISH KUMAR R K
18.	1EP19EC041	SHARQIA ARIF
19.	1EP19EC042	SHEELA K
20.	1EP19EC043	SHIREESHA T
21.	1EP19EC044	SINDHU C
22.	1EP19EC045	SNEHA MK
23.	1EP19EC047	SUSHMA SS
24.	1EP19EC051	VIDHYASHREE HL
25.	1EP19EC052	VIDYA N
26.	1EP19EC053	VIJAY KUMAR MR
27.	1EP19EC054	VISHWANATH MO
28.	1EP19EC055	VIVEK G

## FEEDBACK RESPONSES:

Mr. Madan Gopal Mekala- Digital & Analog VLSI design using EDA tools [ 1- Low ; 5 - High]



Username	Full Name	USN	College	Mr. Madan Gopal Mekala-Digital & Analog VLSI design using EDA tools [ 1-Low ; 5 - High] [Presentation]	Mr. Madan Gopal Mekala-Digital & Analog VLSI design using EDA tools [ 1-Low ; 5 - High] [Content]	Mr. Madan Gopal Mekala-Digital & Analog VLSI design using EDA tools [ 1-Low ; 5 - High] [Interaction]	Any Suggestions/ Comments
keerthikruthi31@gmail.com	Keerthana M	1EP19EC022	EPCET	3	3	3	
ashwinikush123@gmail.com	Ashwini k s	1ep19ec004	EPCET	3	3	3	No
kavyaprasad176@gmail.com	Kavyashree S	1EP19EC021	EPCET	5	5	5	Overall it was a good experience and innovative training
abhiramp9945@gmail.com	Abhiram P	1EP19EC001	EPCET	5	4;5	5	No
vishwanath121mo@gmail.com	Vishwanath M O	1EP19EC054	EPCET	3;5	5	5	
meganatejaswi@gmail.com	Megana L	1EP19EC027	EPCET	4	4	4	None
divyady143@gmail.com	Divya k s	1EP19EC012	EPCET	3	3	3	Overall it was a good session
vasu70049@gmail.com	Donthireddy Vasanth Kumar Reddy	1EP19EC013	EPCET	3	3	3	
vidhyashreehl2001@gmail.com	Vidhyashree H L	1EP19EC051	EPCET	5	5	5	Good session
vk7197465@gmail.com	Vijay Kumar M R	1ep19ec053	EPCET	3	3	3	No
1ep19ec030.ece@eastpoint.ac.ij	Nausheen Farhan.I	1EP19EC030	EPCET	4	4	5	Nothing
vvivekg555@gmail.com	Vivek G	1EP19EC055	EPCET	4	4	4	Overall it was great experience
challavamshi791@gmail.com	Challa Vamshi krishna	1EP19EC008	EPCET	3	3	3	No
sindhushekar2001@gmail.com	Sindhu C	1EP19EC044	EPCET	3	3	3	Good
ssushmasms@gmail.com	Sushma S S	1EP19EC047	EPCET	5	5	5	

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ravijithesh01@gmail.com	Jithesh B R	1EP19EC017	EPCET	5	5	5	
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nshree086@gmail.com	NAVYA SHREE N	1EP19EC031	EPCET	4	4	4	

