



Website: <http://www.allimagetool.com>

ABOUT THE INSTITUTE:

EAST WEST GROUP OF INSTITUTIONS, a well known and a prominent educational institutions crowns an absolute place among the top colleges in Bengaluru. The institutions was founded by a philanthropist and a social worker Shri. C M NAGARAJ in 1968, seizing the limelight as a vision for its reputation in the realm of technological education. EWGI upholds its unflinching recognition in all respects of academics and is celebrating 50th year of Academic Excellence, honing the life of every student with a code of conduct. EWGI offers vivid programs such as Engineering, Architecture, Science & Commerce, Management, Pharmacy, Polytechnic, Nursing, etc. East West Institute of Technology established in 2001 with the prime moto to serve the best quality based on technical education and the campus is advantageously located in a well-known green city of Bengaluru and has an extensive vicinity of 20 acres of land surrounded with congeal and pleasant learning atmosphere.

ABOUT THE BITES:

BITES is an autonomous body promoted by Government in association with Institutions and industries in Karnataka in the year 2000. GoK has setup BITES with the intent of maintaining high standards and quality in IT education. The main objectives of BITES are to enhance the quality of IT Education and improve the employability of Engineering Graduates. The Vision of BITES is "To establish Karnataka as the acknowledged leader in Information Technology by fostering high quality industry- relevant IT education". The key activity areas of BITES are: Advice on Policy, Challenge/ Competitions and Awards, Curriculum Development, Databases, Industry-Institute Interaction, Institutional Development, IT Education Standards and Leadership Development. BITES promotes, encourages, and deep dives into industry-academia equations on a number of platforms. It is this equation which will differentiate Winners from Losers. BITES is the way forward and partnering with it is imperative for every teaching institute, benefiting both the faculty and the student community.

ABOUT THE DEPARTMENT:

Electronics and Communication Engineering provides the perfect middle ground to equip with all the necessary skills to attain wide variety of carrier options. Electronics and communication has a foot in every door which gives broad domain knowledge of electronics, functional understanding of design and how to work in tandem with electronics. The department established training the students in the field of electronics since 2001. Most of the students are contributing throughout the world and their contribution can be seen at national level in many public sectors, research organization and defense sectors like DRDO, ISRO etc & most of the fortune 500 companies. The college has equally supported by providing state of the art laboratories were designed and applied for the student community, the hands on experience in VLSI, SOC, IMAGE PROCESSING, EMBEDDED SYSTEM and allied areas of signal processing. Students are enriched with this technological knowledge and expertise in identified domains. For the last five decades this branch has occupied and contributed remarkably and this department equally to be a part of nation building and creating ambience to the new horizon.

OBJECTIVES OF SKILL ENRICHMENT WORKSHOP:

To enable students, faculty members and other research scholars to upgrade their skills to the changing curriculum. This program will help to increase employability opportunity for students. This Skill enrichment program has to include TI Analog design tool ,adding mathematical models to the analog circuits like RLC circuits, Diode Applications, Power Electronic circuits, Analog multiplication and Analog filter applications to cater the industry needs is the main theme to be addressed in this two days workshop

RESOURCE PERSON

Srl. S M Narasimhan CEO, Saroja Enterprises, Mysuru

The Resource Person Prof. S M Narasimhan has 30+ years of experience in Industry, Research, teaching, enterprising activities and project management. He completed B.E Electrical from National Institute of Engineering in 1984 and M.Tech in Electrical Engineering IIT, Mumbai in 1986. His experience includes research in commercial, industrial as well as military projects, design, development, manufacturing, testing conformal verification and field support. Some of the industries he has worked with are ITI, Dooravani Nagar Bangalore, ST Electronics Singapore, Saragur systems Singapore, Orthodyne Electronics, USA. His research interests are in the areas of embedded systems, IOT and motivation young minds with enterprising activities.

VENUE

**Analog Circuits LAB
Electronics & Communication Engineering
Date:10th & 11th January 2022
Time: 9.00 am to 4.30 pm**



A Two Days Skill enrichment workshop -on

ANALOG DESIGN

10th & 11th January 2022

Organised by

BOARD FOR IT EDUCATION STANDARDS



IN COLLABORATION WITH THE

DEPARTMENT OF

ELECTRONICS & COMMUNICATION ENGINEERING

East West Institute of Technology



**#63, , Off Magadi Road,
Bengaluru, Karnataka-560091
Ph.No.080 2328 8899
Website: <http://ewit.ewgi.in>**

Chief Patrons

Smt. Rashmi Ravi Kiran
Chairperson, East West Group of Institutions
Mr. Tejas Kiran
Secretary, East West Group of Institutions

Dr. K N Balasubramanya Murthy
Vice-Chancellor, Dayananda Sagar University
& Chairman, BITES

Patrons

Dr. K Channakeshavalu
Principal, East West Group of Institutions
Dr. B Purushotham
Director, East West Group of Institutions

Chief Coordinator & Convener

Dr. S G Hiremath
Prof & Head, Dept . of ECE, EWIT

Faculty Co-coordinators

Prof.Manjula B B Assoc. Professor	Prof. Kotresh H M Assoc. Professor
Prof. Anil N S Assoc. Professor	Prof. Divya B N Asst. Professor
Prof. Namratha Asst. Professor	Prof. Arpitha B V Asst. Professor

Participants :

Faculty, UG/ PG Students, Research Scholars.

Day 1:

Introduction to open source designs , Familiarization of the TI Analog design tool. Understanding the resources available (variety of supply sources), Title block, Loading components, making connections, generating the circuit schematics Connecting meters like Ammeters, DMM, voltmeters, Scope probes for measurements, Selecting the analysis (DC, AC, Transient etc with different options), Familiarization of the instruments and setting up of the instruments for measurements, Adding the mathematical models. Analysing the input and output waveforms. Generating necessary/ needed plots for data analytics, R, RL, RC, RLC circuits to begin with Diode Applications HWR, FWR, BWR, Zener diodes Characterization of Transistor, MOSFET, IGBT etc Power Electronic circuits, All kinds of Bridges, both DC and AC bridges to simulate and verify Clipping & Clamping circuits, series & parallel, OPAMP applications, inverting and non inverting amplifiers and many applications.

Day 2:

Opamp continuations., Adder, sub, comparator, Switch, Differentiator, Integrator, Analog waveform generations, sine, cosine, triangular, step etc using Opamp circuits. Analog multiplication using analog multipliers and variety of Industrial applications, many trigonometric functions to simulate and verify. Many Filters to simulate and verify VR, DC/DC, AGC, PLL, filters and many other followed by Closing /Valedictory function

No Registration Fee



A Two Days Skill enrichment workshop -on

ANALOG DESIGN

10th & 11th January 2022

Registration Form

Name:

Department:

Organization:

Address:

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Mobile No :

E-mail :

Number of participants are limited to 40 and based on first come first serve.



Timetable for Workshop/Seminar

Title: A Two Days Skill enrichment workshop -on

ANALOG DESIGN

Date	Morning Session	LUNCH BREAK	After Session
	9:30 am to 1:00 pm		1:45 pm to 4:00 pm
10-01-2022	Introduction to open source designs, Familiarization of the TI Analog design tool, Understanding the resources available (variety of supply sources), Title block, loading components, making connections, generating the circuit schematics, Connecting meters like Ammeters, DMM, voltmeters, Scope probes for measurements, Selecting the analysis (DC, AC, Transient etc with different options), Familiarization of the instruments and setting up of the instruments for measurements,		Adding the mathematical models Analyzing the input and output waveforms, Generating necessary/ needed plots for data analytics. R, RL, RC, RLC circuits to begin with Diode Applications HWR, FWR, BWR, Zener diodes, Characterization of Transistor, MOSFET, IGBT etc Power Electronic circuits, All kinds of Bridges, both DC and AC bridges to simulate and verify.
11-01-2022	Opamp continuations, Adder, sub, comparator, Switch, Differentiator, Integrator Analog wave form generations. sine, cosine, triangular, step etc using Opamp circuits,		Analog multiplication using analog multipliers and variety of industrial applications, Many trigonometric functions to simulate and verify, Many Filters to simulate and verify VR, DC/DC, AGC, PLL.

Bhaskar

Principal & Director

East West Institute of Technology



Date: 10/1/2022

Registration Form

Name: Hitesh Gowda N

USN: 1EW1AEC040

Organization: -EWIT


Address: EWIT

Mobile No: 6362126332

E-mail: Hitesh2740@gmail.com

Participant Signature: Hitesh

83, Off Magadi Main Road, Vishwanedam Post, Near Anjana Nagar, Bangalore - 560091
Ph: 080-23286732; Fax: 080-23288244; Email: principal@ewit.edu.in; Website: www.ewit.edu.in


Principal
East West Institute of Technology
Off Magadi Main Road, Bengaluru-91



Date: 10/01/2022

Registration Form

Name: TANUSHREE G.

USN: 1EW19EC115

Organization: EWIT

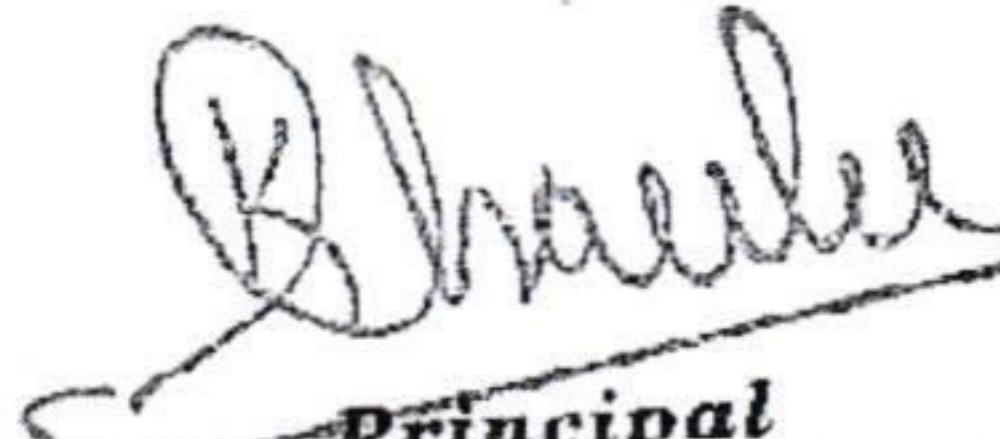
Address: EWIT, BANGALORE - 91

Mobile No : 9686923880

E-mail : Tanushree 5107 @ gmail . com .

Participant Signature: Tanushree G.

ES


Principal
East West Institute of Technology
Off Magadi Main Road, Bengaluru-91



Date: 10/11/2022

Registration Form

Name: Rakesh D N

USN: LEW19ECO80

Organization: EWIT

Address: Chik Kabanavara

Bangalore - 560090

Mobile No: 6364048488

E-mail: rakesh.d.n@gmail.com

Participant Signature:

Principal
East West Institute of Technolog
Off Magadi Main Road, Bengaluru-91



EAST WEST INSTITUTE OF TECHNOLOGY

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COMMUNITY EDUCATION SOCIETY®



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SL. NO	Students Name	USN	Contact No.	Day-1 10-01-2022		Day-2 11-01-2022	
				Morning Session	Afternoon Session	Morning Session	Afternoon Session
1	ANAY.K	1EW19EC007	7019637177				
2	ALOK.B	1EW19EC004	8088547206				
3	DARSHAN.S.H	1EW19EC026	8073002847				
4	Nisarga.H.S	1EW19EC068	9900795294	Nisarga	Nisarga	Nisarga	Nisarga
5	Sai Sandhya.K	1EW19EC097	9066207201	Sai Sandhya	Sai Sandhya	Sai Sandhya	Sai Sandhya
6	Pooja.K.N	1EW19EC073	7916855232	Profu	Profu	Profu	Profu
7	Ranjitha.S	1EW19EC010	8088275658	Ranjitha	Ranjitha	Ranjitha	Ranjitha
8	Sudheep.K	1EW19EC108	9353253646	Sudheepk	Sudheepk	Sudheepk	Sudheepk
9	SHARATH.K	1EW19EC100	9972702540	Kumar	Kumar	Kumar	Kumar
CHANDAN.K.S		1EW19EC019	8095427520				

Handwritten initials

Principal
Principal
East West Institute of Technology
Off Magadi Main Road, Bengaluru-91

SL. NO	Students Name	USN	Contact No.	Day-1 10-01-2022		Day-2 11-01-2022	
				Morning Session	Afternoon Session	Morning Session	Afternoon Session
10	Sevanthi.G.S	1EW19EC098	6364784754	G.S.S	G.S.S	G.S.S	G.S.S
11	Nagendra Prasad.P.N	1EW19EC066	8762229300/ 9538167827	Nagendra P.N	Nagendra P.N	Nagendra P.N	Nagendra P.N
12	Shravanishree.M	1EW19EC113	8971949616	Shravanishree M	Shravanishree M	Shravanishree M	Shravanishree M
13	Vidyashree.H	1EW19EC129	7899152259	Vidyashree H	Vidyashree H	Vidyashree H	Vidyashree H
14	Shravani.G	1EW19EC102	8088789458	Shravani.G	Shravani.G	Shravani.G	Shravani.G
15	Soundarya.L	1EW19EC106	9980558359	Soundarya L	Soundarya L	Soundarya L	Soundarya L
16	Sinchana	1EW19EC104	9035991064	Sinchana	Sinchana	Sinchana	Sinchana
17	P.Siva Phance -dra	1EW19EC072	9346572996	P.S.P	P.S.P	P.S.P	P.S.P
18	Padmraj.N.yasoda	1EW19EC070	9740271565	Padmraj N	Padmraj N	Padmraj N	Padmraj N
19	Harshitha.N	1EW19EC038	7897293214	Harshitha N	Harshitha N	Harshitha N	Harshitha N
20	Urvitha Sunil.P.G.	1EW19EE123	913221891	Urvitha P.G	Urvitha P.G	Urvitha P.G	Urvitha P.G

Preetham J 1EW19EC074 6361881621

Principal
Principal
East West Institute of Technology
Off Magadi Main Road, Bengaluru-93

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Sl. NO	Students Name	USN	Contact No.	Day-1 10-01-2022		Day-2 11-01-2022	
				Morning Session	Aternoon Session	Morning Session	Aternoon Session
21.	Sudeep M.P	1EW19EC109	9148048031	Sudeep M.P	Sudeep M.P	Sudeep M.P	Sudeep M.P
22.	Abegendra-K	1EW19EC065	6362428604	Sudeep M.P	Sudeep M.P	Sudeep M.P	Sudeep M.P
23	S-Chandan Kumar	1EW19EC092	6304197469	Sudeep M.P	Sudeep M.P	Sudeep M.P	Sudeep M.P
24	Purith Kumar T	1EW19EC078	9481003042	Sudeep M.P	T. Purith Kumar	T. Purith Kumar	T. Purith Kumar
25	Ramash-H-L	1EW19EC086	Ramesh H-L 9380468092	Sudeep M.P	Ramesh H-L	Sudeep M.P	Sudeep M.P
26	Robian S	1EW19EC081	9760483899	Robian S	Robian S	Robian S	Robian S
27	Chandana B.V.	1EW19EC020	9538150329	Chandana B.V.	Chandana B.V.	Chandana B.V.	Chandana B.V.
28	J. Cynthia Samuel	1EW19EC044	8453413708	Cynthia	Cynthia	Cynthia	Cynthia
29.	Jahnavi. J.	1EW19EC045	7022288885	Jahnavi	Jahnavi	Jahnavi	Jahnavi
30	SUHAS. S	1EW19EC110	7019140725	Suhash	Vineed	Vineed	Vineed

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B. N. K.
Principal & Director
East West Institute of Technology
Bengaluru - 560 091

SL. NO	Students Name	USN	Contact No.	Day-1 10-01-2022		Day-2 11-01-2022	
				Morning Session	Aternoon Session	Morning Session	Aternoon Session
31	SUKANYA M	1EW19EC111	9632033845	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
32	SUMANTH	1EW19EC112	9008867163	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
33	Tulasi .V	1EW19EC118	9019995698	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
34	Raghuveeragk	1EW19EC079	9380757095	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
35	Rakesh BIDN	1EW19EC080	6364048488	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
36	Kavyashree M.G	1EW20EC403	9380156520	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
37	Arpitha R	1EW20EC401	6360333312	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
38	Buvan Kumar.P	1EW19EC091	9886014804	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
39	Roshitha gonde A	1EW19EC083	6366093748	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
40	Lohith.C	1EW20EC404	9008704859	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
1.1	Pavan.S	1EW20EC406	8147536977	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

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Director
EastWest Institute of Technology
Bengaluru - 560 091

NO	Students Name	USN	Contact No.	Day-1 10-01-2022		Day-2 11-01-2022	
				Morning Session	Afternoon Session	Morning Session	Afternoon Session
42	Abhishek.R	1EW20EC400	9731764857	Abhishek.R	Abhishek.R	Abhishek.R	Abhishek.R
43	Guruv.H	1EW19EC036	9971160715	Guruv.H	Guruv.H	Guruv.H	Guruv.H
44	Bhavara.A.B	1EW19EC018	8722563772	Bhavara.A.B	Bhavara.A.B	Bhavara.A.B	Bhavara.A.B
45	Apoorva.P	1EW19EC011	8088512521	Apoorva.P	Apoorva.P	Apoorva.P	Apoorva.P
46	Harshitha.M	1EW19EC037	9880829585	Harshitha.M	Harshitha.M	Harshitha.M	Harshitha.M
47	Kavya.S	1EW20EC402	8105408727	Kavya.S	Kavya.S	Kavya.S	Kavya.S
48	Manasa.R	1EW20EC405	9611081021	Manasa.R	Manasa.R	Manasa.R	Manasa.R
49	Ramyasri.S	1EW19EC087	7760188533	Ramyasri.S	Ramyasri.S	Ramyasri.S	Ramyasri.S
50	Sombhagya.S	1EW19EC107	7975439121	Sombhagya.S	Sombhagya.S	Sombhagya.S	Sombhagya.S
51	Kishore.R.S	1EW19EC052	9535966703	Kishore	Kishore	Kishore	Kishore
52	Padmabjijayada	1EW19EC070	974027065	Padmabjijayada	Padmabjijayada	Padmabjijayada	Padmabjijayada
53	Trishitha.C	1EW19EC115	960697021	Trishitha.C	Trishitha.C	Trishitha.C	Trishitha.C

850

Principal & Director
East West Institute of Technology
Bijayapura - 560 091



FEEDBACK FORM

Program Title: A Two Days Skill enrichment workshop -on "ANALOG DESIGN"

Date: 10-01-2022 & 11-01-2022

Duration: 2 Days (9.00 AM - 4.30 PM)

Name of the Resource: Mr. S M Narasimhan CEO, Saroja Enterprises, Mysuru

1) Did the program meet its objectives?

Yes.

2) How useful were the inputs received from the program for your job?

We got practical knowledge about our own field.

3) What were the things you liked about this program?

It was very much informative.

4) What were the things you disliked about this program?

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5) How can you implement what you have learnt in your work?

We can implement this in circuits designs.

RATING:

Please rate the following parameters on a scale of 1-10, 1 being least and 10 the highest

Sl No	Parameter	Rating	Remarks (if any)
1	Knowledge of the Presenter	10	
2	Presentation	10	
3	Program content	10	
4	Time management	10	
5	Overall usefulness	10	
6	Facilities	10	

Any other comments/ remarks about the program

Participant's Details

Name: J. Cynthia Samuel

USN: 1EW19ECO44

Dates: 11/1/22

College: East West Institute of Technology

Signature: Cynthia

85

[Signature]
Principal
East West Institute of Technology
Off Magadi Main Road, Bengaluru-91

FEEDBACK FORM

Program Title: A Two Days Skill enrichment workshop -on "ANALOG DESIGN"

Date: 10-01-2022 & 11-01-2022

Duration: 2 Days (9.00 AM - 4.30 PM)

Name of the Resource: Mr. S M Narasimhan CEO, Saroja Enterprises, Mysuru

1) Did the program meet its objectives?

Yes.

2) How useful were the inputs received from the program for your job?

It was extremely useful.

3) What were the things you liked about this program?

It was very interactive.

4) What were the things you disliked about this program?

—

5) How can you implement what you have learnt in your work?

It can be implemented to produce low cost apparatus, and circuits design.

RATING:

Please rate the following parameters on a scale of 1-10, 1 being least and 10 the highest

Sl No	Parameter	Rating	Remarks (if any)
1	Knowledge of the Presenter	10	
2	Presentation	10	
3	Program content	10	
4	Time management	9	
5	Overall usefulness	10	
6	Facilities	10	

Any other comments/ remarks about the program

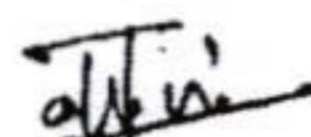
Participant's Details

Name: Jahnvi J


USN: 1EW014EC045

Dates: 11/01/2022

College: East West Institute of Tech

Signature: 

EE


Principal
 East West Institute of Technology
 Off Magadi Main Road, Bengaluru-91

FEEDBACK FORM

Program Title: A Two Days Skill enrichment workshop -on "ANALOG DESIGN"
Date: 10-01-2022 & 11-01-2022

Duration: 2 Days (9.00 AM - 4.30 PM)

Name of the Resource: Mr S M Narasimhan CEO, Saroja Enterprises, Mysuru

1) Did the program meet its objectives?

Yes

2) How useful were the inputs received from the program for your job?

inputs given very useful

3) What were the things you liked about this program?

←

4) What were the things you disliked about this program?

None

5) How can you implement what you have learnt in your work?

It can be used for the projects

RATING:

Please rate the following parameters on a scale of 1-10, 1 being least and 10 the highest

Sl No	Parameter	Rating	Remarks (if any)
1	Knowledge of the Presenter	10	-
2	Presentation	10	-
3	Program content	10	-
4	Time management	10	-
5	Overall usefulness	10	-
6	Facilities	10	-

Any other comments/ remarks about the program

Participant's Details

Name: Ranjitha. G. S

USN: 1EW19EC088

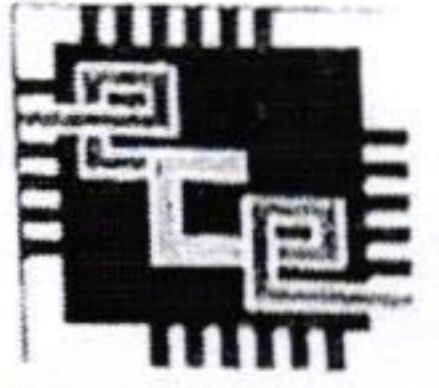
Dates: 11/Jan/2021

College: EWIT

Signature:

ES

Principal
 East West Institute of Technolog
 Off Magadi Main Road, Bengaluru-91



Date: 12-01-2022

BRIEF REPORT ON

A Two Days Skill enrichment workshop –on ANALOG DESIGN” in collaboration with the BITES

The workshop has been inaugurated by the Principal **Dr. K. Channakeshavalu**, HOD of ECE, **Dr. S G Hiremath**, Resource person **Mr. S M Narasimhan**, and HOD of other departments along with the faculties and students at 9.30 am on 9.15am on 10/01/2022. 61 Students were participated in the workshop.

Mr. S M Narasimhan sir had given brief introduction about the analog design and what are the prerequisites. He gave vital information about the simulation tool TINA and demonstrated some of the circuit simulations based on MOSFETS, OPAMPS, Power meter, multiplexers, oscillators, and also eventually simulated by the students.

Students had a hands-on-training on the simulated circuits. This helped the students to compare the simulated and practical results.

Mr. S M Narasimhan sir is an excellent resource person with lot of patience and he sorted out all the problems faced by the students while experimenting.

This workshop motivated students to take up this as a base for their project work.

At the end of the workshop **Principal** and **HOD of ECE Department** inspired students with their valuable words and also handed over certificates to the students.

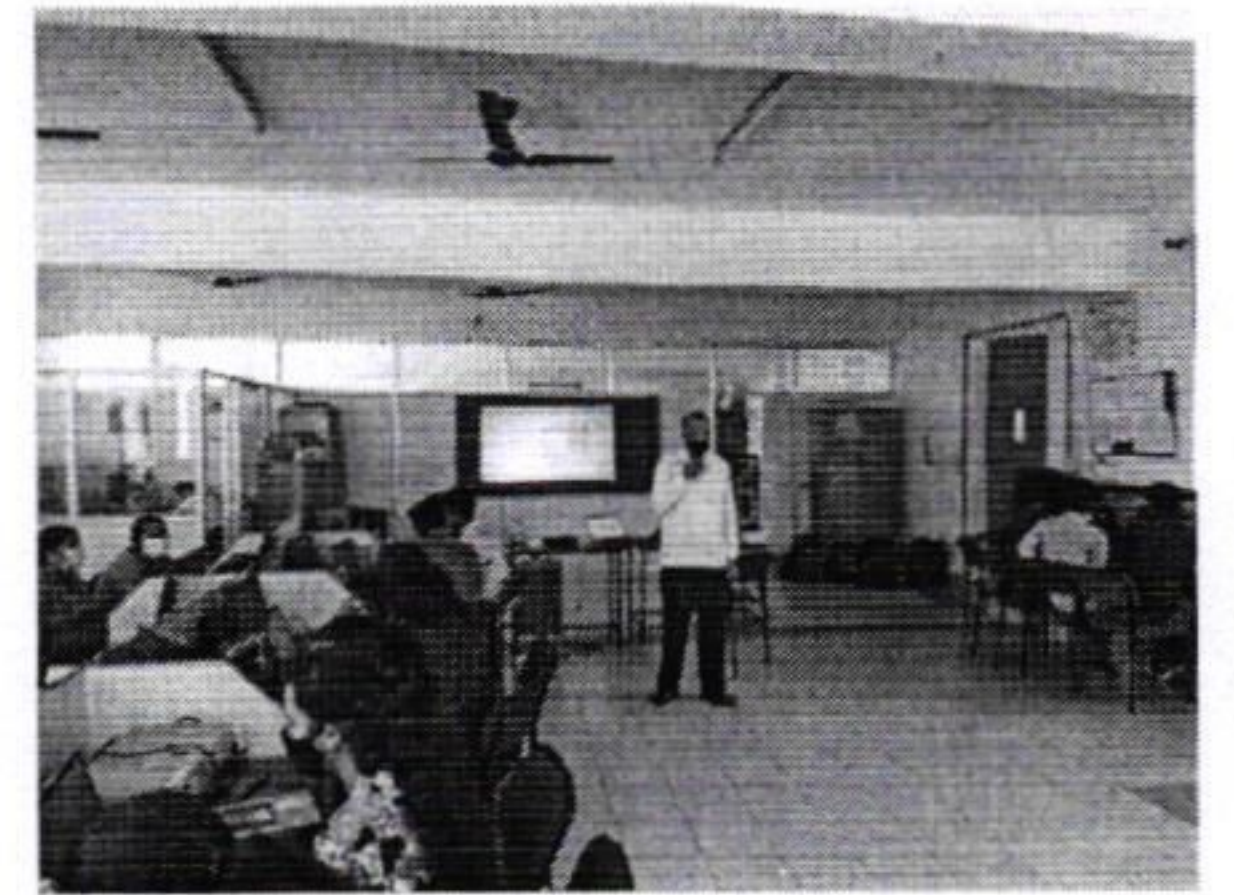
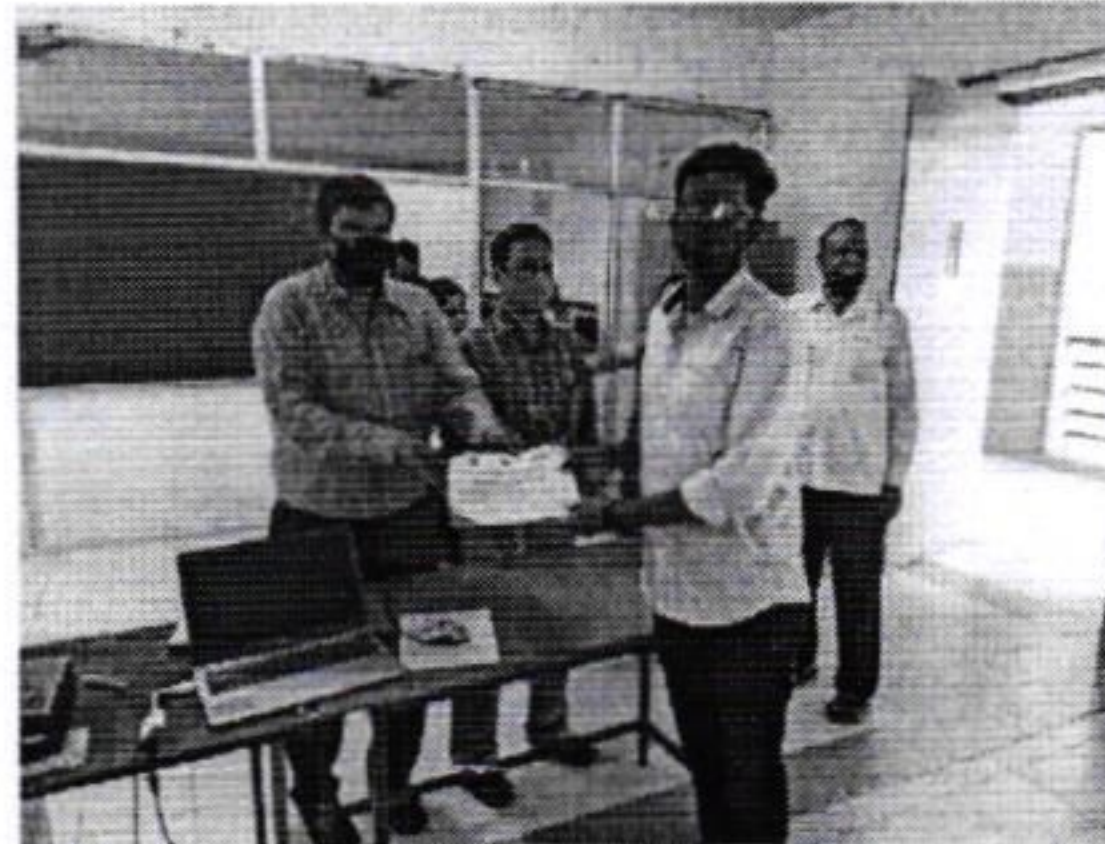
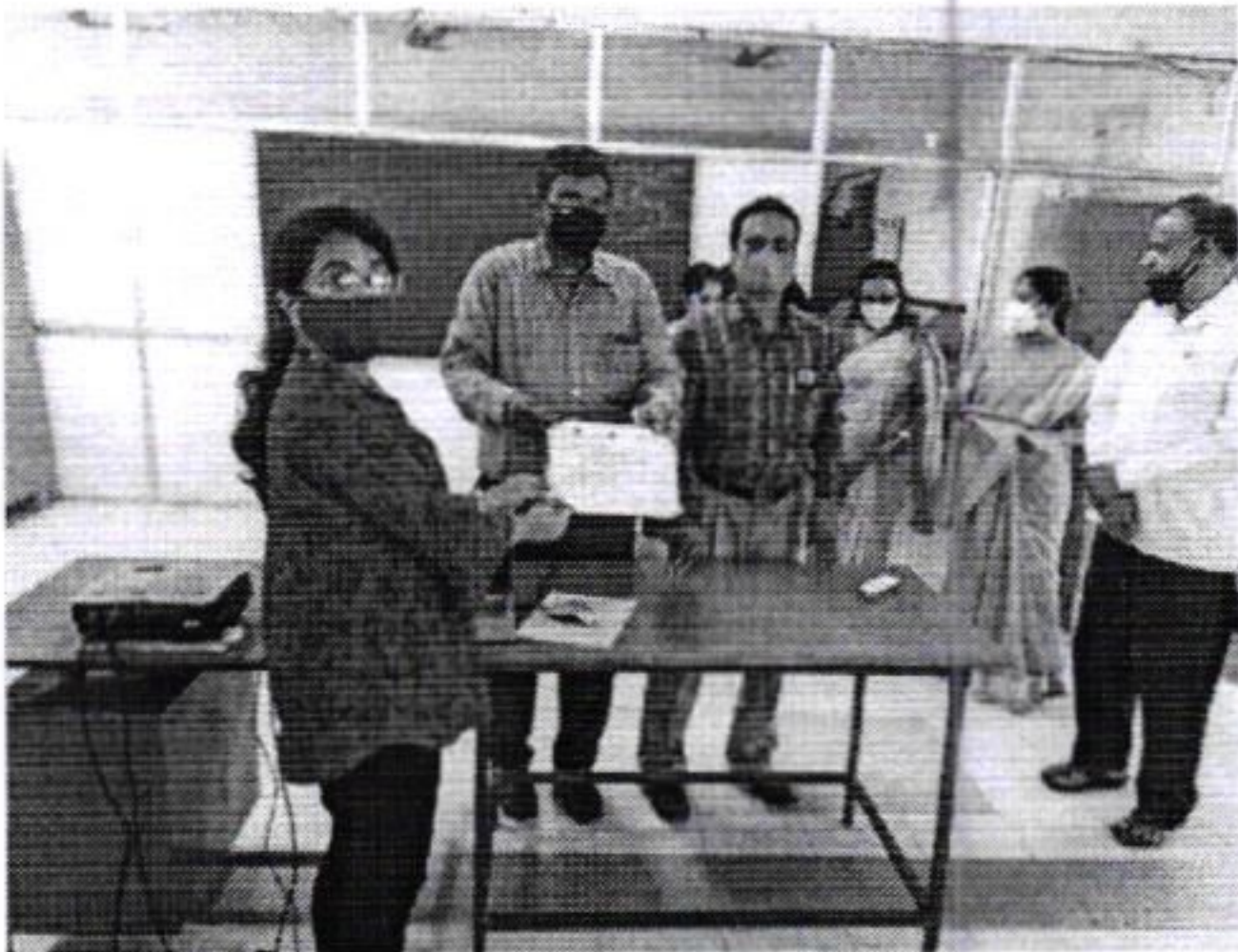
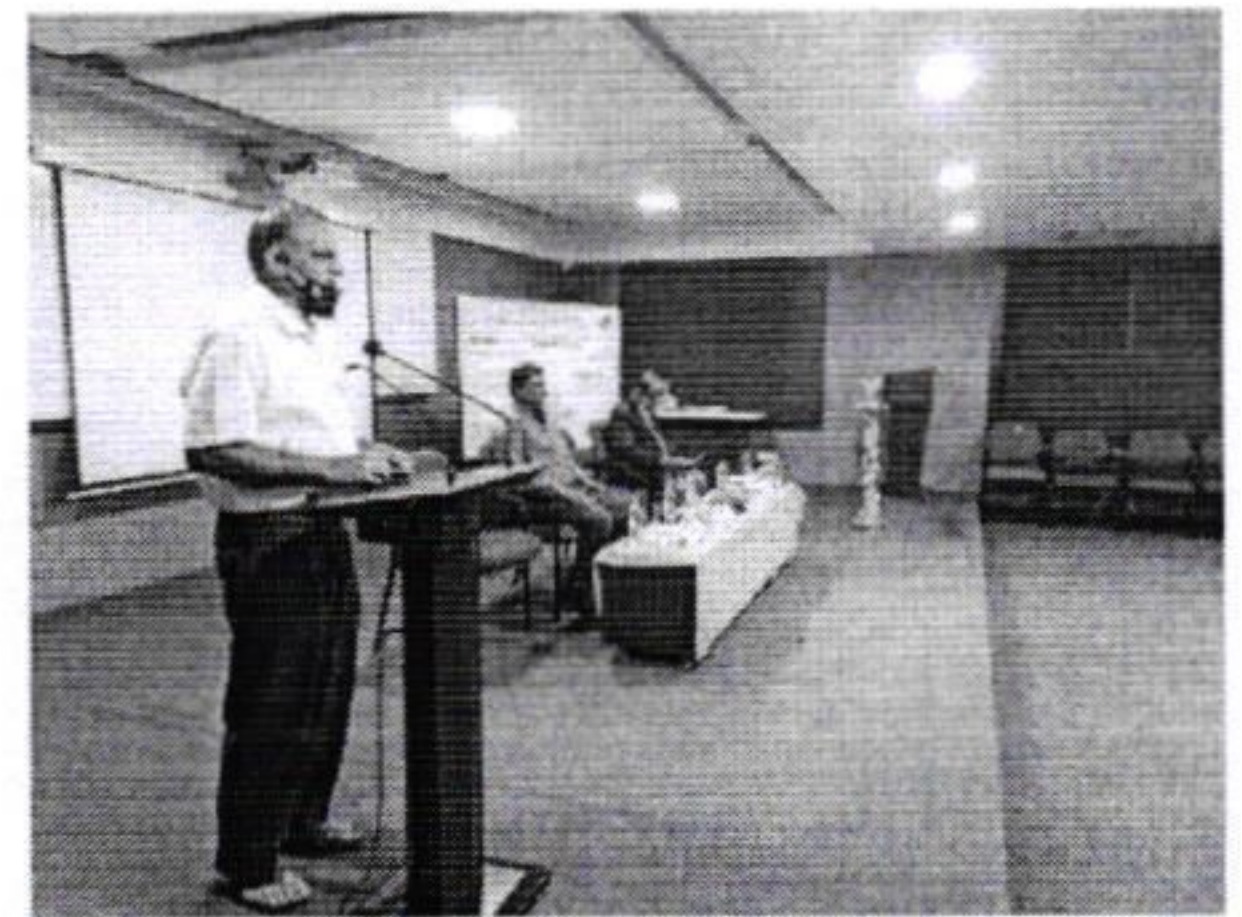
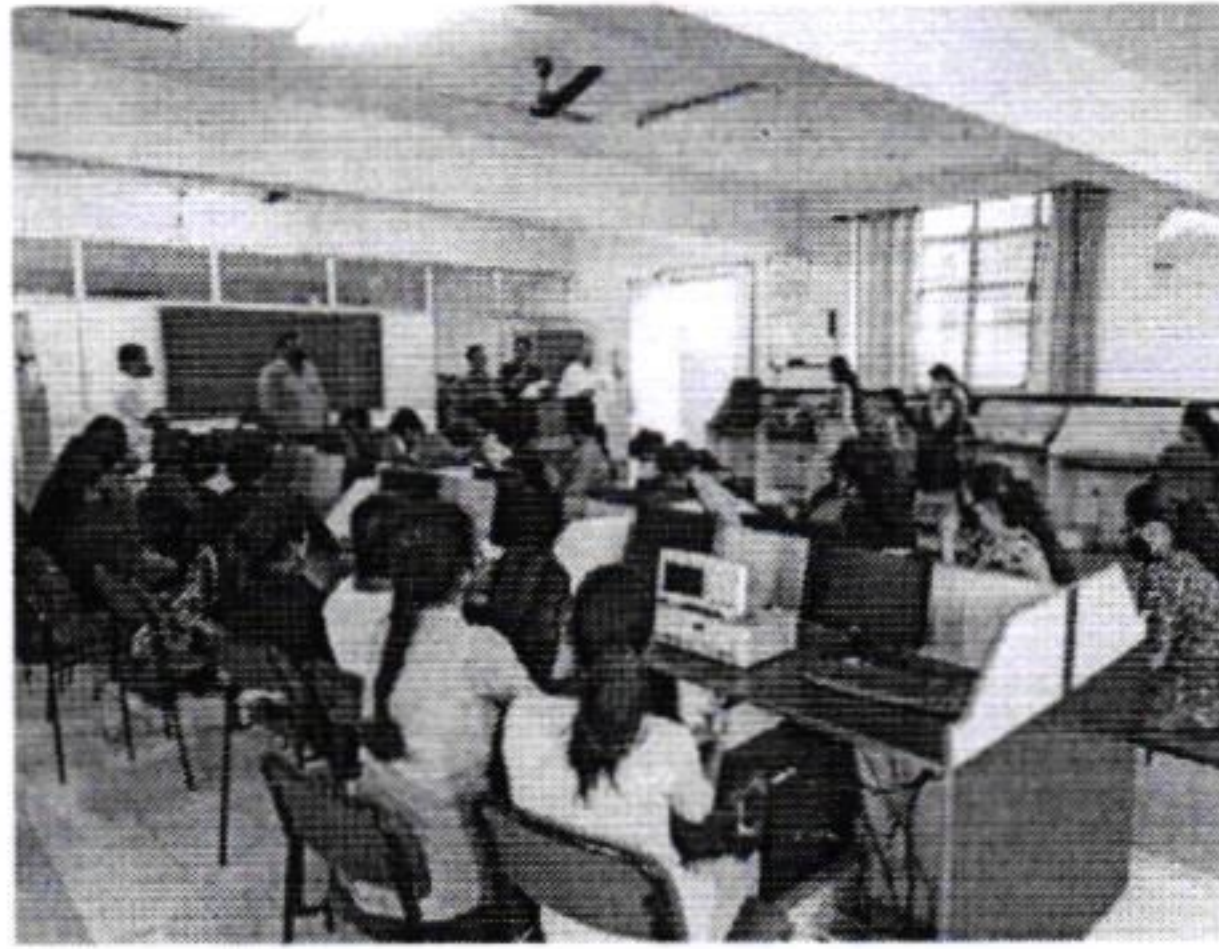
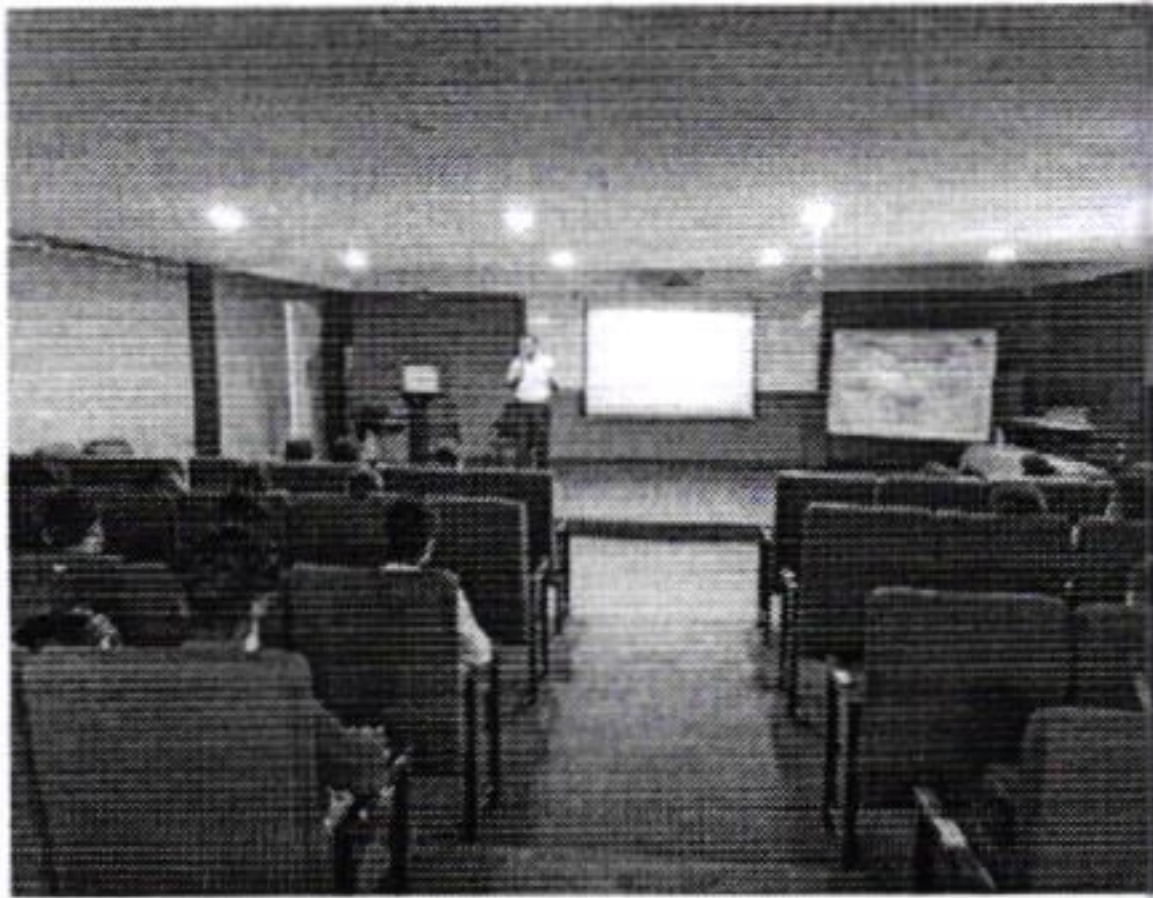
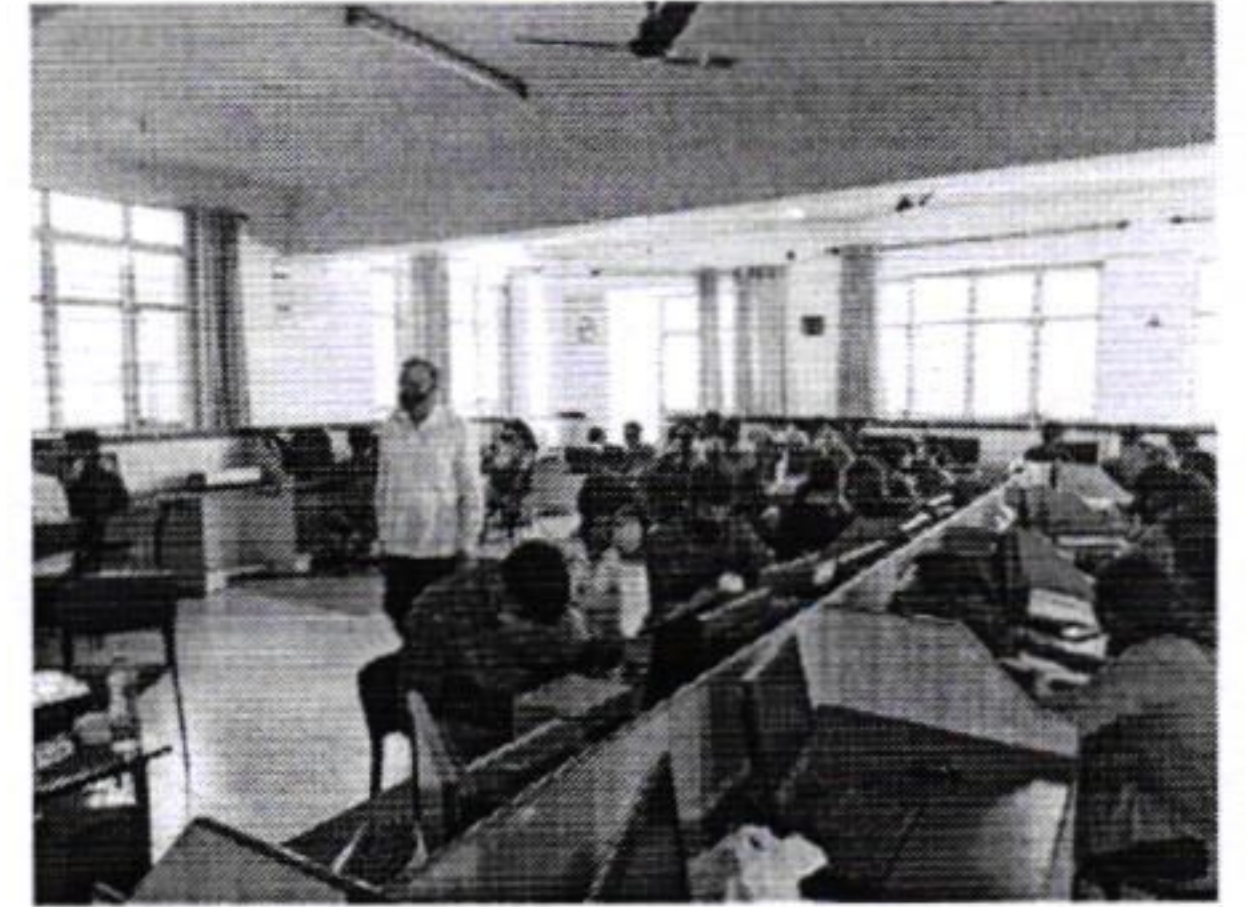
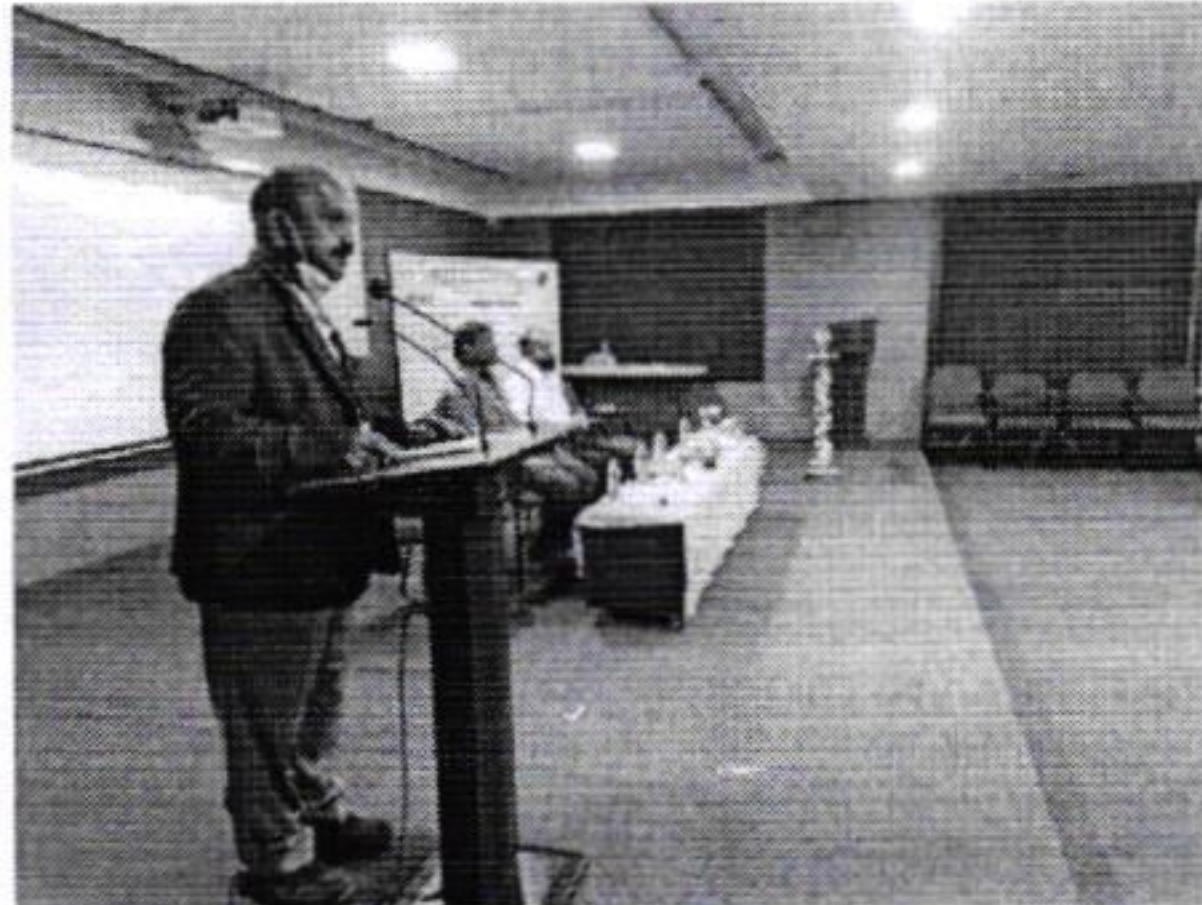
S G

Dr. K. Channakeshavalu
Principal & Director
East West Institute of Technology
Bengaluru - 560 091

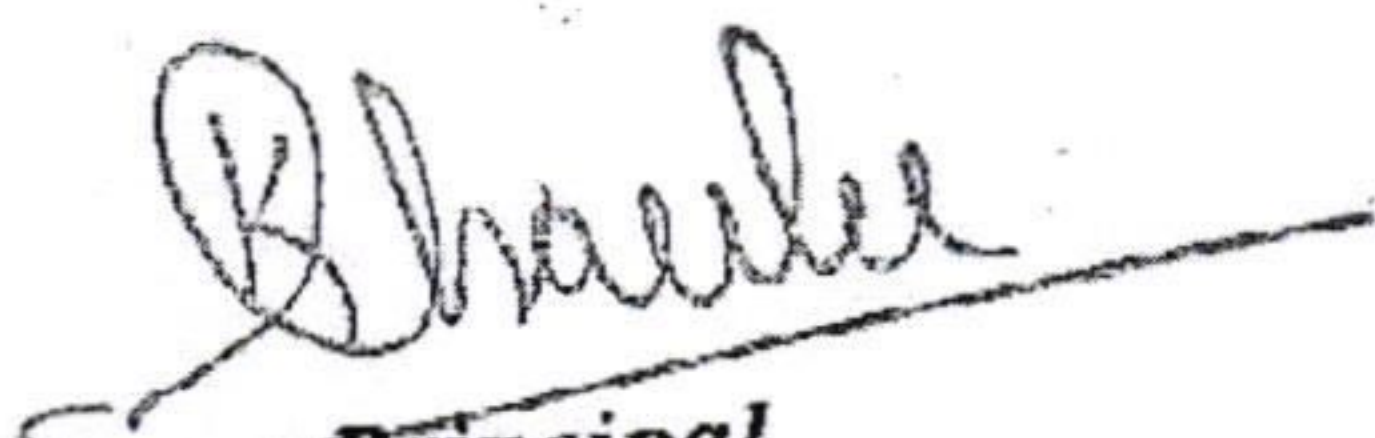
S G Hiremath

HOD, ECE
Dr. S G Hiremath

Seminar on **A Two Days Skill enrichment workshop –on “ANALOG DESIGN”**
on Conducted by Sri. S M Narasimhan CEO, Saroja Enterprises, Mysuru
On **10-01-2022 & 11-01-2022**



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Principal
East West Institute of Technolog
[Address line partially obscured]