



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU. Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

Department of Electronics and Communication Engineering

7.11.2018

EXPERT LECTURE

The ECE students are hereby informed that the **Expert Lecture** is
scheduled on

“Analog Electronics Product Development”

On 09.11.2018

**By Ms.Poornima Mohanachandran,
CEO,**

Eklakshya, Bengaluru, India.

S. No	Timings	Semester
1	9 AM – 11 AM	3 rd (A , B & C)

Respective subject teachers are hereby informed to be present in the
venue during the schedule.

Venue: Falconry Hall

Note: All Faculty members are invited to attend the same (without affecting regular classes)

Faculty In charge:

1. Ms. Nayana 2. Ms. Monika 3. Prof. Kesar Singh

HoD/ECE

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
III Sem "C" Sec

L.No	USN	NAME	Stream	Batch	Date
1	1NH14EC715	Karthik D P	EXE	C1	Re-registered
2	1NH15EC015	DEBBRAT MAHAPATRA	PROF	C2	Re-registered
3	1NH15EC024	HARSHA E	EXE	C2	Re-registered
4	1NH15EC067	PANDETI SAI KUMAR	PROG-G	C3	Rejoinee (20.8.18)
5	1NH16EC021	D Gowtham	EXE	C3	Rejoinee
6	1NH16EC022	DARSHAN RAJ S	EXE	C3	Re-registered
7	1NH16EC029	VICTOR ABHILASH	EXE	C3	Re-registered
8	1NH16EC065	NILOTHPAL	EXE	C3	Rejoinee
9	1NH16EC074	PAVAN KUMAR S	EXE	C2	Re-registered
10	1NH16EC091	SAM LEANDER D	EXE	C3	Re-registered
11	1NH16EC121	YATHISH K	PROF	C3	Re-registered
12	1NH16EC701	A NAVYA SHREE	EXE	C3	Rejoinee
13	1NH16EC712	CHETHAN D R	EXE	C2	Re-registered
14	1NH16ME042	Karthik K	PROF	C3	Rejoinee
15	1NH17EC700	AATHIRA VIJAYAN	EXE	C1	
16	1NH17EC701	AJAYS S	EXE	C1	
17	1NH17EC702	AKSHAJA SHIMALNA O K	EXE	C1	13.8.18
18	1NH17EC703	ARAVIND P M	PROF	C1	
19	1NH17EC704	ASHIKA P	EXE	C1	28.8.18
20	1NH17EC705	BHARGAVI	EXE	C1	6.8.18
21	1NH17EC706	CHANDU V J	PROF-G	C1	
22	1NH17EC707	DHANUSH S	EXE	C1	
23	1NH17EC708	DHINAKARAN S	EXE	C1	
24	1NH17EC709	DISHANTH M P	PROF	C1	
25	1NH17EC710	G DEEPIKA	EXE	C1	3.8.18
26	1NH17EC711	GAGANASHREE P S	EXE	C1	9.8.18
27	1NH17EC712	GRACE GLADYS A	EXE	C1	2.8.18
28	1NH17EC713	HARSHITH NAIDU J	EXE	C1	
29	1NH17EC714	J BHAVANA	EXE	C1	11.8.18
30	1NH17EC715	JAYADEEP G P	EXE	C1	1.8.18
31	1NH17EC716	JILLELLA RUPASAGAR REDDY	EXE	C1	9.8.18
32	1NH17EC717	K AISWARYA	EXE	C1	
33	1NH17EC718	KONDURU SIVARAMA RAJU	EXE	C1	1.8.18
34	1NH17EC719	KOTEPALLI RAMCHARAN	PROF	C1	
35	1NH17EC720	LAVANYA S N	EXE	C2	7.8.18
36	1NH17EC721	MANISHA M N	EXE	C2	13.8.18
37	1NH17EC722	MANOHAR G	EXE	C2	
38	1NH17EC723	MANOJ M R	PROF	C2	3.8.18
39	1NH17EC724	MUNAGALA BHARATH KUMAR REDDY	EXE	C2	7.8.18
40	1NH17EC725	NAINI NARAMA	EXE	C2	4.8.18
41	1NH17EC726	NAVEEN KUMAR M S	EXE	C2	8.8.18
42	1NH17EC727	NEHA KRISHNA	EXE	C2	10.8.18

46	1NH17EC731	PALVADHI VENKATA SAI PAVAN KALYAN	PROF-G	C2	P.S.Pu
47	1NH17EC732	PAVAN U	EXE	C2	3.8.18
48	1NH17EC733	PRACHI VERMA	PROF	C2	1.8.18 Prachi
49	1NH17EC734	PRAJWAL P	EXE	C2	1.8.18 Prajwal P
50	1NH17EC736	RAHUL BALAJI P S	EXE	C2	3.8.18
51	1NH17EC737	RISHIKA POTEPELLI	EXE	C2	Rishika
52	1NH17EC738	RITWIK SHOME	PROF	C2	2.8.18
53	1NH17EC739	S DENILA GRACELIN	EXE	C2	10.8.18 Denila
54	1NH17EC740	S RAHUL YADAV	EXE	C2	
55	1NH17EC741	S SAI HARSHA	EXE	C3	13.8.18 Harsha S.
56	1NH17EC742	SAHIB ARORA	EXE	C3	6.8.18 Sahib
57	1NH17EC743	SANDHYA K	EXE	C3	Sandhya K
58	1NH17EC744	SHARATH T P	EXE PROF	C3	30.7.18 Sharath
59	1NH17EC745	SHARON MOSES	PROF-G	C3	7.8.18 Sharon
60	1NH17EC746	SHASHANK REDDY J	EXE	C3	26.7.18 Shashank
61	1NH17EC747	SHASHANK S SALOTAGI	PROF	C3	7.8.18
62	1NH17EC748	SHIVANG DUBEY	EXE	C3	6.8.18 Shivang
63	1NH17EC749	SIRISHA B S	EXE	C3	Sirisha
64	1NH17EC750	SOMA YASWANTH REDDY	EXE	C3	2.8.18 Somya
65	1NH17EC751	SREEKAR REDDY KALLAM	EXE	C3	
66	1NH17EC752	SUHAS S	EXE	C3	4.8.18 Suhas
67	1NH17EC753	SYED TOUQEER	EXE	C3	
68	1NH17EC754	THUMMALA SURYA DEVI VARAPRASAD	EXE	C3	23.7.18 Surya
69	1NH17EC755	USTHEPALLI ABHIRAM	EXE	C3	3.8.18 Usthepalli
70	1NH17EC756	VARUN P	PROF	C3	Varun P
71	1NH17EC757	VELURI SRI HARSHAVARDHAN REDDY	PROF	C3	Harsha Reddy
72	1NH17EC758	Y SUCHARITHA	EXE	C3	7.8.18 Sucharitha
73	1NH17EC759	YERRABALLI GURU SAI KUMAR	EXE	C3	3.8.18 Y. Gururaj

Note: Highlighted students should be informed to pay the Account dues.
Students should not be given attendance till they clear the dues.

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
III Sem "B" Sec

SL.No	USN	NAME	Stream	Batch	Date
1	1NH17EC060	NISHMITHA C SHETTY	EXE	B1	20.8.18
2	1NH17EC062	NITHIN R KALLIGUDI	EXE	B1	4.8.18
3	1NH17EC063	PALAGIRI JYOTHI KRISHNA	EXE	B1	
4	1NH17EC064	PANUGANTI VIKAS	EXE	B1	3.8.18
5	1NH17EC065	PARTHASARATHI N	EXE	B1	
6	1NH17EC066	PASSAVULA PHANINDRA	EXE	B1	3.8.18
7	1NH17EC068	PRANAY CHATURVEDY	EXE	B1	
8	1NH17EC069	PRAVEEN KUMAR S	EXE	B1	4.8.18
9	1NH17EC070	PREETHU C	EXE	B1	2.8.18
10	1NH17EC071	PRINCE CHAURASIYA	PROF	B1	1.8.18
11	1NH17EC072	PUNEETH REDDY V	EXE	B1	2.8.18
12	1NH17EC073	R BARATH	EXE	B1	
13	1NH17EC074	R KISHAN KUMAR SAI	EXE	B1	7.8.18
14	1NH17EC075	R RAGHAVA	PROF-G	B1	1.8.18
15	1NH17EC076	RAHUL MONDAL	PROF	B1	3.8.18
16	1NH17EC077	RAHUL V	EXE	B1	
17	1NH17EC078	RAVI KIRAN M B	EXE	B1	7.8.18
18	1NH17EC079	RENUKA D N	EXE	B1	7.8.18
19	1NH17EC080	RIYA RAKESH	EXE	B1	
20	1NH17EC081	ROHITH P GOWDA	EXE	B1	13.8.18
21	1NH17EC082	RUPSA DATTA	EXE	B1	3.8.18
22	1NH17EC083	S RISHITA	EXE	B1	3.8.18
23	1NH17EC084	SAIKAT SAMANTA	EXE	B2	2.8.18
24	1NH17EC085	SAIMANTI SAHA	EXE	B2	3.8.18
25	1NH17EC086	SAMYUKTHA V	EXE	B2	28.8.18
26	1NH17EC087	SATEESH R HEGDE	EXE	B2	
27	1NH17EC088	SHAKTHI A	EXE	B2	7.8.18
28	1NH17EC089	SHALINI P N	EXE	B2	1.8.18
29	1NH17EC090	SHARAN KUMAR K S	EXE	B2	2.8.18
30	1NH17EC091	SHIVA S	PROF	B2	
31	1NH17EC092	SHOAIB AHMED	EXE	B2	
32	1NH17EC093	SHRESTHA PATNAIK	EXE	B2	
33	1NH17EC094	SHREYANKA S	EXE	B2	
34	1NH17EC095	SHWETA S	EXE	B2	4.8.18
35	1NH17EC096	SOUVIK DAS	EXE	B2	1.8.18
36	1NH17EC097	SOWMIYA A	EXE	B2	4.8.18
37	1NH17EC098	SRINIDHI DAMODHAR	PROF	B2	
38	1NH17EC099	STANISLAUS LASRADO	PROF	B2	2.8.18
39	1NH17EC100	SUHAIB AFNAN	PROF	B2	6.8.18
40	1NH17EC101	SUHAS H G	EXE	B2	4.8.18

Nishantha
Nithin R
Palagiri
Panuganti
Parthasarathi
Passavula
Pranay
Praveen S
Preethu
Prince
Puneeth
R Barath
R Kishan
R Raghava
Rahul Mondal
Rahul V
Ravi Kiran
Renuka
Riya
Rohith
Rupsa
S Rishita
Saikat
Saimanti
Samyuktha
Sateesh
Shakthi
Shalini
Sharan
Shiva
Shoaib
Shrestha
Shreyanka
Shweta
Souvik
Sowmiya
Srinidhi
Stanislaus
Suhaib
Suhas

20

41	1NH17EC102	SUHAS S P	EXE	B2		<i>Suhas</i>
42	1NH17EC103	SUMITHRA V ARADHYA	EXE	B2	2.8.18	<i>Sumithra</i>
43	1NH17EC104	SUNIL PATIL	PROF	B2	6.8.18	<i>Sunil</i>
44	1NH17EC105	SUSHMA S	PROF	B2	2.8.18	<i>Sushma</i>
45	1NH17EC106	SYALE RAJ KUMAR	EXE	B2		<i>Syale</i>
46	1NH17EC107	TALLURI VENKATA VARUN SAI	EXE	B2	3.8.18	<i>Talluri</i>
47	1NH17EC108	TEJAS K	EXE	B3	6.8.18	<i>Tejas</i>
48	1NH17EC109	THEJAS U	EXE	B3		<i>Thejas</i>
49	1NH17EC110	THIKKAVARAPU SAI AVINASH R	EXE	B3		<i>TSA</i>
50	1NH17EC111	THOMMANDRU VENKATA SAI M	EXE	B3	16.8.18	<i>Thommandru</i>
51	1NH17EC112	UPPU GIRIDHAR	EXE	B3	2.8.18	<i>Uppu</i>
52	1NH17EC113	V DHARANIDHAR	EXE	B3	7.8.18	<i>V. Dhara</i>
53	1NH17EC114	V R SAI LAALITHYA	EXE	B3	6.8.18	<i>V. R. Sai</i>
54	1NH17EC115	V S MOUNIKA	EXE	B3	21.8.18	<i>V. S. Mounika</i>
55	1NH17EC116	VAKKALA MAHEEDHAR	EXE	B3	11.8.18	<i>Vakkala</i>
56	1NH17EC117	VIDHYA B	EXE	B3	1.8.18	<i>Vidhya B</i>
57	1NH17EC118	VIDHYASHREE B M	EXE	B3	1.8.18	<i>Vidhyashree</i>
58	1NH17EC119	VINDHYA NARAYAN	EXE	B3	2.8.18	<i>Vindhya</i>
59	1NH17EC120	VISHWAJYOTHI B RESHMI	EXE	B3		<i>Vishwa</i>
60	1NH17EC122	Y C ABHAY KUMAR	EXE	B3	7.8.18	<i>Y. C. Abhay</i>
61	1NH17EC123	YADHEESH	EXE	B3	3.8.18	<i>Yadheesh</i>
62	1NH17EC124	YASH MALVIYA	EXE	B3	3.8.18	<i>Yash</i>
63	1NH17EC125	YASSER FAIZ AHMED N	EXE	B3	3.8.18	<i>Yasser</i>
64	1NH17ME030	GADE NAVEEN REDDY	PROF	B3	7.8.18	<i>G. Naveen</i>
65	1NH17ME061	NEELA LOKESH	EXE	B3	2.8.18	<i>Neela</i>
66	1NH17ME087	SALLA GUNA PRADEEP	EXE	B3		<i>Salla</i>
67	1NH17ME110	SYKAM KARTHIK REDDY	EXE	B3	1.8.18	<i>Sykam</i>
68	1NH17ME115	VAISHALI M S	PROF	B3	2.8.18	<i>Vaishali</i>

69		AKASH SINGH	PROF	B3		<i>Akash</i>
70		Shreenik ugarje	PROF	B1		<i>Shreenik</i>
80		SRS LAKSHMI M	PROF	B3		<i>SRS</i>
81		NIVEDITHA. Y. N	PROF	B1		<i>Niveditha</i>
			PROF	B2		<i>Niveditha</i>

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82		BHANU PRIYA. N	PROF	B3		<i>Bhanu</i>
83		Pavan. y	PROF	B1		<i>Pavan</i>
84		Vignesh. R	PROF	B3		<i>Vignesh</i>
85		Sheshadhar Hegde	PROF	B3		<i>Sheshadhar</i>
86		Shree kanta ks	PROF	B1		<i>Shree kanta</i>
87		Sanjay	PROF	B1		<i>Sanjay</i>

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
III Sem "A" Sec

L.No	USN	NAME	Stream	Batch	Date
1	1NH16EC038	KARROTU PRUDHVI	EXE	A1	
2	1NH17BT002	ANISHA DEVI	EXE	A1	1.8.18
3	1NH17BT005	BATHULA SRI SAI KRISHNA	EXE	A1	
4	1NH17BT007	GANGADHARA VARSHITHA	PROF	A1	
5	1NH17BT016	MURAKONDA AVINASH	EXE	A1	2.8.18
6	1NH17BT023	SAI KARTHIK P R	PROF	A1	
7	1NH17BT025	SUHAIL PASHA	EXE	A1	2.8.18
8	1NH17BT026	SUMAN PAL	EXE	A1	4.8.18
9	1NH17BT031	THURPUNATI SURYA PRAKASH REDDY	EXE	A1	2.8.18
10	1NH17EC001	AARTHY P JAITH	EXE	A1	7.8.18
11	1NH17EC002	ADESH V	PROF	A1	3.8.18
12	1NH17EC003	ADITYA OMPRAKASH CHOUDHARY	EXE	A1	2.8.18
13	1NH17EC004	AKSHITHA R	EXE	A1	2.8.18
14	1NH17EC005	ANAND T	EXE	A1	
15	1NH17EC006	ANAND T	PROF	A1	2.8.18
16	1NH17EC007	ANKIT KUMAR	EXE	A1	1.8.18
17	1NH17EC008	ARUN Y S	EXE	A1	
18	1NH17EC009	B S ABHISHEK	EXE	A1	
19	1NH17EC010	B YAMINI	EXE	A1	7.8.18
20	1NH17EC011	BHARATH M	PROF	A1	
21	1NH17EC012	BHARATH Y R	EXE	A1	4.8.18
22	1NH17EC013	BHASKAR K	EXE	A1	2.8.18
23	1NH17EC014	BOGGARAPU MOURYA YASWANTH	EXE	A2	1.8.18
24	1NH17EC015	BOREDDY NAGA MAHESWAR REDDY	EXE	A2	8.8.18
25	1NH17EC016	C O PRUTHVI	EXE	A2	4.8.18
26	1NH17EC017	CHANDANA N	PROF-G	A2	
27	1NH17EC018	CHETHAN B R	PROF-G	A2	2.8.18
28	1NH17EC019	DEEKSHITH N REDDY	PROF-G	A2	4.8.18
29	1NH17EC020	DEEPAK S	EXE	A2	6.8.18
30	1NH17EC021	DEVASHRUTHA S	PROF	A2	
31	1NH17EC022	DHANYASHREE V REDDY	EXE	A2	1.8.18
32	1NH17EC023	DIVYA SAGAR REDDY	EXE	A2	
33	1NH17EC024	DUDDUKURI VAISHNAVI	EXE	A2	6.8.18
34	1NH17EC025	G ASAD	EXE	A2	3.8.18
35	1NH17EC026	G R VARSHA	EXE	A2	3.8.18
36	1NH17EC027	GAGAN B K	EXE	A2	7.8.18
37	1NH17EC028	GAUTAM SINHA	EXE	A2	2.8.18
38	1NH17EC029	GIRIDHARAN P K	EXE	A2	20.8.18
39	1NH17EC030	H K BHASKAR	EXE	A2	2.8.18
40	1NH17EC031	HARSHITHA G	EXE	A2	4.8.18
41	1NH17EC032	IVATURI S S HARSHAVARDHAN	EXE	A2	

Anisha

Varshitha

P.R. Sankar

T. Suryaprasad

Aarthya

Adesh

Aditya

Anand T.

Anand T.

Bharath M

Bharath Y.R.

Bhaskar K

Mourya

Pruthvi

Chandana N

Chethan Reddy

Deepak S

Devashrutha S

Divya Sagar

Asad

Gagan B.K

Gautam

H.K. Bhaskar

Harshitha G

44	1NH17EC035	JITENDER	EXE	A2	1.8.18
45	1NH17EC036	K S SIRISH	PROF	A2	9.8.18
46	1NH17EC037	K S SNEHA LATHA	EXE	A2	6.8.18
47	1NH17EC038	KARAN SRINIVAS	EXE	A3	10.8.18
48	1NH17EC039	KAVYASHREE S	EXE	A3	
49	1NH17EC040	KEVINE PRASANNA KUMAR	PROF-G	A3	20.8.18
50	1NH17EC041	KUSHALA C	EXE	A3	8.8.18
51	1NH17EC042	M BHARAT	EXE	A3	3.8.18
52	1NH17EC043	M HEMANTH YADAV	EXE	A3	16.8.18
53	1NH17EC044	MADALA HIMAJA	EXE	A3	3.8.18
54	1NH17EC045	MADHUMITHA R	EXE	A3	3.8.18
55	1NH17EC046	MADHUPARNA BANERJEE	PROF	A3	7.8.18
56	1NH17EC047	MAMATHA B S	EXE	A3	7.8.18
57	1NH17EC048	MANIKANTA	PROF	A3	3.8.18
58	1NH17EC049	MANISH B	PROF	A3	3.8.18
59	1NH17EC050	MANISHA R	EXE	A3	2.8.18
60	1NH17EC051	MILAN SHANKAR RAO M	EXE	A3	1.8.18
61	1NH17EC052	MOHAMMED GHASSAN	PROF	A3	1.8.18
62	1NH17EC053	MONIKA K REDDY	EXE	A3	
63	1NH17EC054	NANDURI SRILASYA	EXE	A3	30.7.18
64	1NH17EC055	NAVAJITH R REDDY	EXE	A3	
65	1NH17EC056	NAVEEN K M	EXE	A3	
66	1NH17EC057	NETTEM PARNITHA	EXE	A3	
67	1NH17EC058	NIKITH BABU	EXE	A3	
68	1NH17EC059	NISHANTH C	PROF	A3	13.8.18
69	1NH17ME010	ASHWIN S P	EXE	A3	20.8.18

Jitender
Snehalatha
Karan
Kavya
Kushala
M. Bharat
Madhuma
Madhuma
Mamatha
Manish
Manisha
Milan
Mohammed
Monika
Navajith
Naveen
Parnitha
Nikith
Ashwin

- 70] Prashant Joshi A3 @last
71] Nagesh.N.Reddy. A3. dayshreddy
72] Naveen A3 Naveen
73] Santosh.B.Gon al A3 Santosh
Sandeep Reddy.V. B Sandeep
5) Charan. S A3 Charan

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NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE

(Autonomous Institution affiliated to VTU, Accredited by NBA & NAAC with Grade 'A')

Department of Electronics and Communication Engineering

Report on Expert Lecture for Analog Electronic Circuits

The Department of Electronics & Communication Engineering organized an expert lecture for the second year students in the Falconry Seminar Hall on 9th November 2018 for the course Analog Electronic Circuits by **Ms. Poornima Mohan Chandra, CEO, Eklakshya**. She had also worked in **Texas Instruments** as a Director for 25 years. The session dealt with '**Mixed Signal Product Development**'.

The lecture started off with an introduction which was about the change in the lifestyle of people in last 20 years. She explained about the different types signals including their advantages and applications.

In her lecture, Poornima ma'am discussed regarding the analog and mixed signal electronics and the field of its application. She gave many examples like paytm app, GPS system, OLA app, UBER app, smart watches etc to make us understand to which extent technology and how convenient life has become due to such developments. We even discussed to which extent is communication important in the corporate field.

The foremost example she took was health care scenario. Basically the whole world population is around 7 billion. And it can be categorised as

- 1) Preventive care
- 2) Critical care
- 3) Emergency care
- 4) Follow up care.

The number of experts handling these cases are way too less when compared to that of people to be treated. Experts can be any fields like cardiology, neurology, gynecology etc. As engineers we just don't form database, but also convert it into useful information. Then we were educated regarding telemedicine concept, which was basically the use of electronic information and communication technology to provide and support health care when distance separate the participants.

Mainly we learnt regarding, Mixed Signal Product Development, which includes two specifications,

*Functional specifications.

*Parametric specifications.

The product development includes the flowing steps. All the points mentioned were quite self explanatory.

- 1) Specification.
- 2) Design.
- 3) Stimulation.
- 4) Physical design.
- 5) Fabrication.
- 6) Production.

The other important topic on which the guest lecture was based was "DATA CONVERTERS"

Basically of two types,

*ADC-Analog digital converter.

- 1) Continuous Time Signal.
- 2) Has Continuous values.

*DAC-Digital analog converter.

- 1) Discrete Time Signal.
- 2) Discrete values.

Then we even came across the other category of converters named as *Successive Approximation Converter (Oversampling Converter).

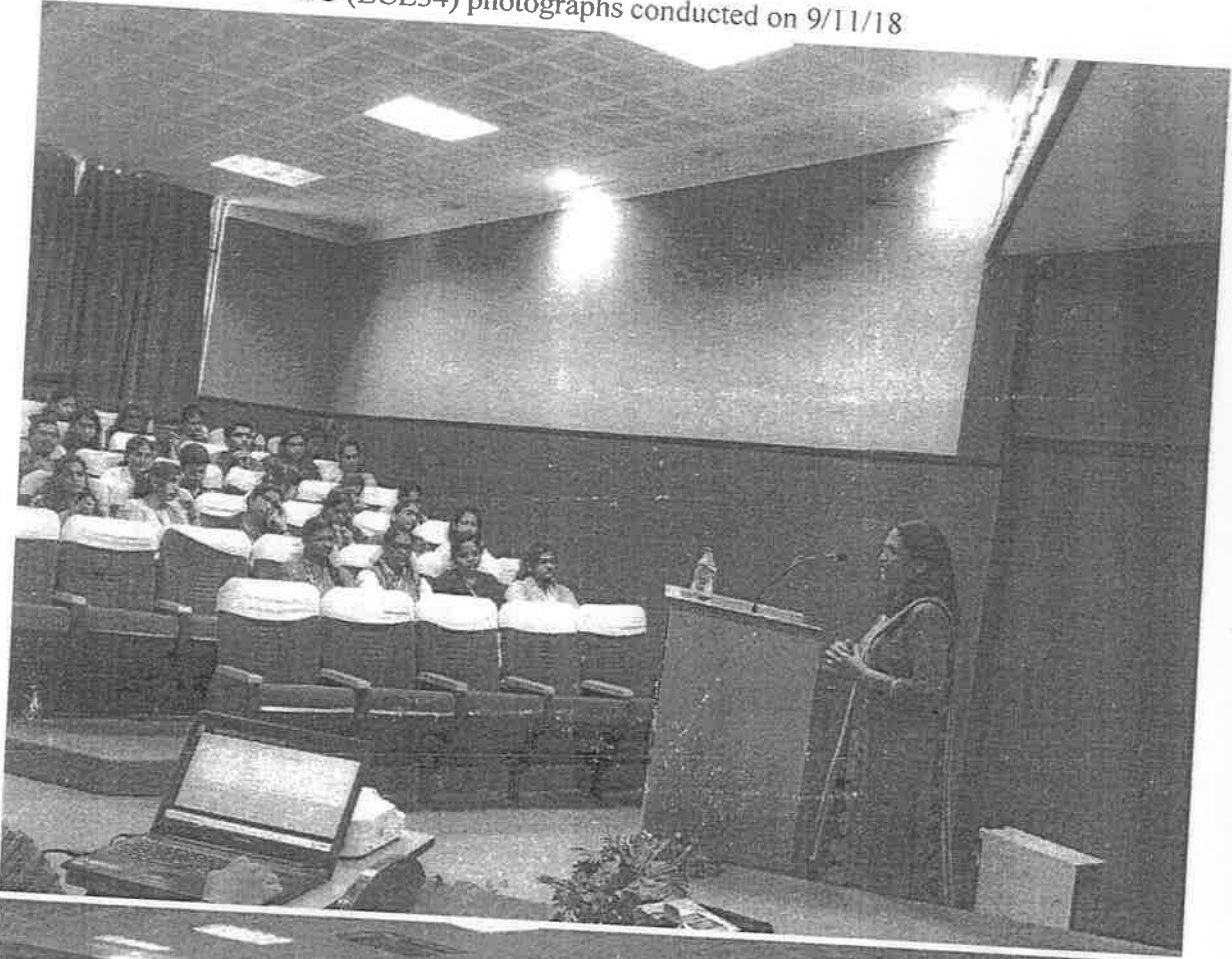
A converter that converts the continuous analog waveform into a discrete digital representation via binary search through all position quantization levels, with medium high resolution, consuming low power and operating at medium speed.

*Pipeline converters-Applies a digital filter to form a higher resolution but lower sample frequency

*Pipeline delay.

While concluding, the speaker even made us aware of certain job opportunities like design engineer, verification engineer, test engineer in this particular field which was very informative for all the students.

Expert lecture For AEC (ECE34) photographs conducted on 9/11/18



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