

**NEW HORIZON COLLEGE OF ENGINEERING**  
Department of Electronics and Communication Engineering

15.11.2017

**EXPERT LECTURE**

The ECE students are hereby informed that an expert lecture  
is scheduled on

**“OSCILLATORS AND FEEDBACK”**  
**(ANALOG ELECTRONIC CIRCUITS)**

**on 17.11.2017**

By

**Mr. AksharaMurali**

**Frenustech Pvt. Ltd Bengaluru**

Timing schedule is as follows

S. No	Timings	Semester
1	11.00 AM - 1.00 PM	3-A,B,C

Respective subject teachers are hereby informed to be present  
in Falconry Seminar Hall during the schedule.

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

Venue: Falconry Seminar Hall

  
Expert Lecture Faculty in Charge

  
HOD ECE

17/11/17  
 Expect lecture for AEC  
 9:00 to 11:00

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

SL.No	USN	NAME	SIGN
1	1NH15EC015	DEBBRAT MAHAPATRA	
2	1NH16BT053	T. HEMANTH KRISHNA	<i>Hemant</i>
3	1NH16EC001	A M AMARJITH	
4	1NH16EC002	ABHISHEK KUMAR DESHETTI	<i>Abhishek</i>
5	1NH16EC003	ADITYA C	
6	1NH16EC004	AFZAL HUSSAIN	
7	1NH16EC005	AKHIL JOSEF	<i>Akhil</i>
8	1NH16EC006	AKHILESH VARMA KALIDINDI	<i>Akhilesh</i>
9	1NH16EC007	AKSHAY RAO	<i>Akshay</i>
10	1NH16EC008	ANMOL KUMAR	<i>Anmol</i>
11	1NH16EC009	ANOOP.A	<i>Anoop</i>
12	1NH16EC010	ANUSHA H N	<i>Anusha</i>
13	1NH16EC011	ARUN.P	
14	1NH16EC012	ATHIRA AJAYA KUMAR KULLULLY	<i>Athira</i>
15	1NH16EC013	YUGANDHAR REDDY	
16	1NH16EC014	B SRIKANTH REDDY	
17	1NH16EC015	BHASKAR CHOUDHURY	<i>Bhaskar</i>
18	1NH16EC016	BIPIN DIXIT.H	<i>Bipin</i>
19	1NH16EC017	KIRAN C A	<i>Kiran</i>
20	1NH16EC018	ARUNA C	<i>Aruna</i>
21	1NH16EC019	C.LEHARIKA	<i>Leharika</i>
22	1NH16EC020	CHETHAN S	<i>Chethan</i>
23	1NH16EC022	DARSHAN RAJ	
24	1NH16EC023	DEEPAK KU. PRADHAN	<i>Deepak</i>
25	1NH16EC024	DEEPTHI R	
26	1NH16EC025	DENNIS VINCENT PAULRAJ	<i>Dennis</i>
27	1NH16EC026	DUDEKUL AKHASIM	
28	1NH16EC027	ELDHO JOSE	<i>Jose</i>
29	1NH16EC028	ELLINKI JAHNAVI	<i>Ellinki</i>
30	1NH16EC029	VICTOR ABHILASH	<i>Abhilash</i>
31	1NH16EC030	G AVINASH	<i>G. Avinash</i>
32	1NH16EC031	GIRISH JATTU GOUDA	<i>Girish</i>
33	1NH16EC032	HARI PRASAD.R	<i>Hari</i>
34	1NH16EC033	HARSH SRIVASTAVA	<i>Harsh</i>
35	1NH16EC034	JAGADEESH.D	<i>Jagadeesh</i>
36	1NH16EC035	JANANI.B.R	<i>Janani</i>
37	1NH16EC036	GIRIVARDHAN K	<i>Girivardhan</i>
38	1NH16EC037	KALAMADI SREELEKHA	<i>Sreelekha</i>
39	1NH16EC039	KIRAN N	<i>Kiran</i>
40	1NH16EC040	KISHORE N	<i>Kishore</i>
41	1NH16EC041	K. VENKATA MOUNISH REDDY	<i>Mounish</i>

42	1NH16EC042	KORVI CHANDRA KIRAN REDDY	<i>Chandra</i>
43	1NH16EC043	KUSHI PONNAMMA.K.P	<i>Kushi</i>
44	1NH16EC044	LALITHAMBHA S M	<i>Lalitha</i>
45	1NH16EC046	SACHIT M	<i>Sachit</i>
46	1NH16EC047	MADAN GOWDA.M	<i>Madan</i>
47	1NH16EC048	MADHU M DEVAMANE	<i>Madhu</i>
48	1NH16EC049	MANJULA.S	<i>Manjula</i>
49	1NH16EC050	MANJUNATH N	<i>Manjunath</i>
50	1NH16EC051	MANJUNATHA S	<i>Manjula</i>
51	1NH16EC052	MAURYA REDDY	<i>Maurya</i>
52	1NH16EC053	MEGHASHREE H M	<i>Meghashree</i>
53	1NH16EC054	MEGHANA V	<i>Meghana</i>
54	1NH16EC055	MEGHASHRĒE R	<i>Meghashree</i>
55	1NH16EC056	MISBAH TABASSUM AEJAZ	<i>Misbah</i>
56	1NH16EC057	MITHUN.V	<i>Mithun</i>
57	1NH16EC058	MOHAMMED ANAS	<i>Mohammed</i>
58	1NH16EC059	MOHAMMED FAROOQH PASHA	<i>Mohammed</i>
59	1NH16EC060	MOHIT R	<i>Mohit R</i>
60	1NH16EC061	MOHIT SAHU	<i>Mohit</i>
61	1NH16EC062	MUJEER PASHA	<i>Mujeer</i>
62	1NH16EC063	MAHESHWARI N	<i>Maheshwari</i>
63	1NH16EE002	AKULA ANIL BHARATH	<i>Anil</i>
64	1NH16EE003	ALVIRA SUZANA	<i>Alvira</i>
65	1NH16EE006	ANUPOJU SAI VENKAT THRIMURTHY	<i>Thrimurthy</i>
66	1NH16EE008	ASHISH KUMAR . S	<i>Ashish</i>
67	1NH16EE023	KARTHIK . K. S	<i>Karthik</i>
68	1NH17EC415	BHAVANI . V	<i>Bhavani.V</i>
69	1NH17EC416	ARATHI . V	<i>Arathi.V</i>
70	1NH17EC420	SUPRITHA H . D	<i>Supriya</i>
71	1NH17EC426	PRASANNA KUMAR .A . E	<i>Prasanna</i>
72	1NH17EC427	SUMAN . K.T	
	1NH17EC428	KIRAN . R	<i>Kiran</i>
74	1NH17EC429	RAJESHA . T . A	<i>Rajesh</i>
75	1NH17EC432	AKASH PRASAD C	<i>Akash</i>

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 Expert lecture for AEC  
 9:00 to 11:00

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

SL.No	USN	NAME	
1	1NH13EC730	MAMATHA V K	
2	1NH16EC702	ABHISHEK KHOT	Abhishek
3	1NH16EC703	ABHISHEK PATTAJOSHI	Abhishek
4	1NH16EC704	ABU BAKAR SIDDIQ	Abu Bakar
5	1NH16EC705	AKSHAY.V	Akshay
6	1NH16EC706	AMMIDAL VISHNU VIKAS	Ammidal
7	1NH16EC707	ANITA CHAUHAN	Anita
8	1NH16EC708	ANJU GOPINATH	Anju
9	1NH16EC709	ASHUTOSH MANISH	Ashutosh
10	1NH16EC710	B VAMSHI KRISHNA REDDY	B Vamshi
11	1NH16EC711	BALAJI L	Balaji
12	1NH16EC712	CHETHAN.D.R	Chethan
13	1NH16EC713	CHIRAG S	Chirag
14	1NH16EC714	GAGANA M R	Gagana
15	1NH16EC715	GOWRI SNEHA PRIYA S	Gowri
16	1NH16EC716	GURRAM VENKATA NIKESH	Nikesh
17	1NH16EC717	HARSHITA.P	Harshita
18	1NH16EC718	JEEVAN.K	Jeevan
19	1NH16EC719	MITHUN KUMAR	Mithun
20	1NH16EC720	KIRAN SAGAR N P	Kiran
21	1NH16EC722	LINGRAJ JAMKHANDI	Lingraj
22	1NH16EC723	M ANISHA	Anisha
23	1NH16EC724	M PRIYADARSHINI	Priyadarshini
24	1NH16EC725	MSVV RITVIK	Ritvik
25	1NH16EC726	MANJUNATH T	Manjunath
26	1NH16EC727	MANSOOR ELAHI	Mansoor
27	1NH16EC728	MOHAMMED ZEESHAN ALI	Mohammed
28	1NH16EC729	SIVA NAGAMUNI REDDY	Siva
29	1NH16EC730	MOUNIKA E	Mounika
30	1NH16EC731	THILAK PRASAD	Thilak
31	1NH16EC733	NAWAZ KHAN	Nawaz
32	1NH16EC734	NISHA ANANDU NAIK	Nisha
33	1NH16EC735	NIVEDITHA N	Niveditha
34	1NH16EC736	NIVEDITHA R	Niveditha R
35	1NH16EC738	PAVITHRA.N	Pavithra N

36	INH16EC739	PAWAN KUMAR SRIVASTAVA	Pawan
37	INH16EC740	POOJA P CHOUHAN	Pooja
38	INH16EC741	PRAVEEN KUMAR . R	Praan K.R.R
39	INH16EC742	RACHANA.S	Rachana
40	INH16EC743	K RAGHAVENDRA	Ragavan
41	INH16EC744	RAMYA.R	Ramya
42	INH16EC745	REDDY SHEKAR.B.S	Shikar
43	INH16EC746	RUCHIKA PRADEEP	
44	INH16EC747	S.SARAVANA	Sarav
45	INH16EC748	S SHYAM	Shyam
46	INH16EC749	SHRIYA.G	Shriya
47	INH16EC750	SINDHU A	Sindhu
48	INH16EC751	SMITHA B S	Smitha
49	INH16EC752	SWATHI K	Swathi
50	INH16EC753	T.R. BHOOMIKA	Bhoomika
51	INH16EC754	TARUN SAI REDDY	Tarun
52	INH16EC755	ULTHI KEDARNATH	Kedar nath
53	INH16EC756	YESHASWINI K M	Yeshaswini
54	INH16EC757	YUVASHREE R	Yuvashree
55	INH16EC758	PRAVEEN.S	Praveen
56	INH16EC759	SHASHANK RAO.M	Shashank
57	INH17EC401	CHIRANJEEVI . K	Chiranjeevi
58	INH17EC402	PRATHAMESH KADAM	Prathamesh
59	INH17EC403	MANASA . C	Manasa
60	INH17EC406	LEKHIT B M	Lekhith
61	INH17EC407	RAHUL JAIN	Rahul
62	INH17EC408	RAGHU . R	Raghu
63	INH17EC409	RAKESH KUMAR . T	Rakesh
64	INH17EC413	NAVEEN KUMAR . J	Naveen
65	INH17EC417	B . J KOWSALYA	B.J
66	INH17EC419	JAYANTH . V	Jayanth
67	INH17EC421	JANARDHANA . T	Janardhana
68	INH17EC422	B . N CHITHRASREE	Chithrasree
69	INH17EC423	MANOJ . R	Manoj R
70	INH17EC424	LIKITH B. M	Likith
71	INH17EC433	VASANTH . R	Vasanth

17/11/17  
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NEW HORIZON COLLEGE OF ENGINEERING  
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING  
III Sem "B" Sec

SL.No	USN	NAME	SIGN
1	1NH16EC064	NEHA MAHESH	
2	1NH16EC066	NISHU DUBEY	
3	1NH16EC067	NITESH K	
4	1NH16EC068	NITHIN.E	
5	1NH16EC070	MAHALAKSHMI P	
6	1NH16EC071	DEEPAK P S	
7	1NH16EC072	PARITHOSH VEMA	
8	1NH16EC074	PAVAN KUMAR S	
9	1NH16EC075	POOJA SHANTARAM NAYAK	
10	1NH16EC076	PRAJWAL.T.J	
11	1NH16EC077	PRANAY REDDY S	
12	1NH16EC078	PRASHANTH GOWDA.R.S	
13	1NH16EC079	PRAVEEN KUMAR S	
14	1NH16EC080	PRESHIKA J M	
15	1NH16EC081	PRITHIPA A	
16	1NH16EC082	R.PAVAN RAJ	
17	1NH16EC083	RAJVARDHAN	
18	1NH16EC084	RAKSHITHA N	
19	1NH16EC085	ROSHINI.M	
20	1NH16EC086	RUSHAB.S.G	
21	1NH16EC087	SAI KIRAN	
22	1NH16EC088	SAI PRASHANTH	
23	1NH16EC089	S P SAAJU	
24	1NH16EC090	SAGAR	
25	1NH16EC091	SAM LEANDER D	
26	1NH16EC092	SANNAPANENI PAVANI	
27	1NH16EC093	SHAIK NOORULLA BASHA	
28	1NH16EC094	SHAIKH ASIF	
29	1NH16EC095	SHASHANK B	
30	1NH16EC096	SHRAVIN.R.SEKHAR	
31	1NH16EC097	SHRIPAD AITHAL	
32	1NH16EC098	SIDDESH JALAGERI	
33	1NH16EC099	JAGAN MOHAN REDDY	
34	1NH16EC100	SIDRAMAPPA	
35	1NH16EC101	SINDHU C R	
36	1NH16EC102	SIVA CHALLA	
37	1NH16EC103	SPOORTHY.G	
38	1NH16EC105	SUSHMA CHIKKUR	
39	1NH16EC106	T.E.HABISHEK	
40	1NH16EC107	T.SAI DEEPTHI	
41	1NH16EC108	TANUJ.A	

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42	1NH16EC109	UDIT BAHUGUNA	Udit
43	1NH16EC110	VARUN MISHRA	Varun
44	1NH16EC111	VEDA MILIND KULKARINI	Veda
45	1NH16EC112	VEENA K	
46	1NH16EC113	VIDYA VISHNU	
47	1NH16EC114	VIJAY C	
48	1NH16EC115	VIJAY KUMAR C	
49	1NH16EC116	VIJAY S	
50	1NH16EC118	VISHWANATH VEERANNA	
51	1NH16EC119	W M MAGDOOM FUAAD	
52	1NH16EC120	YATHIN S	
53	1NH16EC121	YATHISH K	
54	1NH16EC122	YESHWANTH J M	Yeshwanth J M
55	1NH16EC124	YESHWANTH.M	Yeshwanth M
56	1NH16EC125	YESHWANTH.M.L	Yeshwanth M.L
57	1NH16EC128	SIMON CHAUHAN	
58	1NH16ME015	ASHOK CHOUDHARY	
59	1NH16ME048	M.V.K BHARATH	
60	1NH16ME064	NAMRATHA PRAKSAH	
61	1NH16ME083	PREM KUMAR	
62	1NH16ME107	SRIDHAR. P	
63	1NH17EC404	AKSHAY GAMBHIR SADALAGI	
64	1NH17EC405	GURURAJ SHIVASHANKAR NATIKAR	
65	1NH17EC410	JYOTHI CHANDRASHEKAR	
66	1NH17EC411	MONIKA T . M	
67	1NH17EC412	SUSHMITHA	
68	1NH17EC418	SACHIN . M	
69	1NH17EC425	LINGARAJ G. B	
70	1NH17EC430	DEEPAK KUMAR . R	
71	1NH17EC431	SHAMBULING V . PATIL	

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Dr. Anand Kumar

Date: 17th November 2017

Department of EEE

Subject: Analog.

COMPARISON

The lecture on oscillators is an excellent one that provides a good overview, including electronic and other details.

The lecture was very informative. Topics

like the use of feedback were covered.

Some of the oscillators discussed were LC, RC,

and crystal oscillators, and the effects of

temperature on oscillators. The lecture was

very well explained.

Digital oscillators are also discussed.

He mentioned that inductively coupled

oscillators are in use, and that in

capacitive oscillators are in use.

He said that for each oscillator there

is a fixed value of frequency.

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Hashishat

17/11/2017

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# REPORT on Guest Lecture by Mr. Akshara Murali

Date: 17<sup>th</sup> November 2017

Department of ECE

Subject: Analog Topic: Oscillators

The expert lecture conducted by Mr. Akshara Murali on the 17<sup>th</sup> November was very informative. He spoke about oscillators, their types etc. Classification of oscillators based on the components used i.e LC oscillator

(Hartley, Colpitts), RC oscillator (Wien Bridge)

Phase shift oscillator) and crystal oscillator

All these oscillators and their connections, ~~low~~ frequency range were explained in detail.

Derivations of voltage gain and resonant frequency for all the above circuits were clearly explained

The LC oscillator had the highest frequency range i.e 100 kHz to 100 MHz. The Barkhausen criterion

was explained. The lecture started off with brief introduction of oscillators & their applications. The

difference between positive and negative feedback was also explained.

Priyadarshini.M

III semester

c' section

1NH16EC724

Report on guest lecture  
by: Akshaya Murari of  
IIT

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Submitted by:

- Vamshy Kham

(14H16E(133))

## Report on guest lecture

The guest was Mr. Akshaya Murali. N Sir who did Engineering in New Horizon college of Engineering (ECE) 2016-17 Batch. Sir was here to talk on oscillators. So his objective of lecture was

- Basic concepts of oscillator
- Basic working principle of oscillator
- Types of oscillators

It was very good and informative lecture as it was like brushing it up as we have already come across all the topics so as a result it was very much interesting and less boring. He was very helpful and he gave us some basic ideas like how we must prepare ourselves for placement & what all the industry expects.

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As Sir was from our own college we also got some tips for placements. Sir also mentioned that for AEC we must be good in applying Laplace as if in future we get job in designing AEC lab we must be good in Laplace transform. As nowadays the designers are using it.

It was a very good experience interacting with Akshaya Murali Sir.