

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

05/11/2019

GUEST LECTURE

This is to inform to VII semester students of ECE that the guest lecture is arranged on 07-11-2019 at Falconry seminar hall between 10:00AM to 1:00PM.

Topic to be delivered : Analog Electronics Product Development
Name of the Speaker : Ms.Poornima Mohanachandran
Designation : CEO
Company : Ekalakshya

Respective subject teachers are hereby informed to be present at the Falconry seminar hall during the lecture.

All the faculty members are invited to attend the same without affecting the regular classes.



Guest Lecture coordinator



HoD-ECE

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

Report on Guest Lecture

Topics: Analog Electronics Product Development

A Guest lecture on Analog Electronics Product Development was conducted on 7th November 2019 by Mr. Poornima Mohanachandran who is working at Ekalakshya , Bangalore.

She briefed about the 12 tips of designing the electronic product. Voltage rails used for sensitive analog circuitry should be clean and low noise.



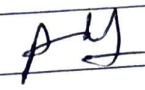
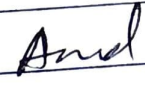


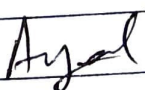
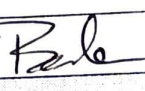
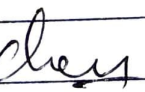
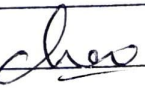
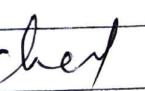

For mixed-signal PCBs, the switching of digital components and voltage regulators leads to high frequency noise on power rails. Without filtering, this can be coupled into analog components and affect the accuracy and stability of the circuit. Using passive low-pass filtering is a simple way to reduce high-frequency noise on the analog Vcc power rails.

If the components you are powering are low current, then a series resistor and shunt capacitor circuit may be used. Otherwise, use an inductor/ferrite and capacitor combination instead. Each of these circuits will block high-frequencies (i.e. noise) but allow low frequencies (i.e. the current to power the analog component).

A mix of capacitor values – such as 100nF, 10nF and 1nF in parallel – can be used together to create a low-pass filter which will operate effectively over a wider bandwidth.

Overall the session was interactive. The session was organized by Dr. Sanjeev Sharma, HoD, Dept of ECE along with the faculty coordinators Ms. Divya Sharma and Ms. Dharmambal.

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
III Sem "A,B and C" Sec

SL.No	USN	NAME	Stream	Batch	Signature
1.	1NH17EC140	SATYA MANOJ BASINA AGASTYA (Rejoiner)	Prof	A1	
2.	1NH18EC001	ABHIRAG S	Prof	A1	
3.	1NH18EC002	AISHWARYA M HALLI	Prof	A1	
4.	1NH18EC003	AISHWARYA NAGRAS	Prof	A1	
5.	1NH18EC004	AKILESH K	Glob	A1	
6.	1NH18EC005	AMITH SABU	Prof	A1	
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8.	1NH18EC007	ANIL KUMAR K M	Prof	A1	
9.	1NH18EC008	ANJALI R	Prof	A1	
10.	1NH18EC009	APOORVA R	Glob	A1	
11.	1NH18EC011	APPOLLA MOUNEESH KUMAR	Glob	A1	
12.	1NH18EC012	ARAVAPALLI NAGA VENKATA SAI MANIDEEP	Prof	A1	
13.	1NH18EC013	ARNAB SANGAM	Glob	A1	
14.	1NH18EC014	ATHIKARI GANESH	Prof	A1	
15.	1NH18EC015	AVINASH U GYANAGOUDRA	Prof	A1	
16.	1NH18EC016	AYAAN KHAN S	Prof	A1	
17.	1NH18EC017	BADA BHAVANI	Prof	A1	
18.	1NH18EC018	BALAJI A	Prof	A1	
19.	1NH18EC019	BANDLA SAIKUMAR	Glob	A1	
20.	1NH18EC020	BUDIDETI GOWTHAMI	Prof	A1	
21.	1NH18EC021	MADALA CHAITANYA GOPINADH	Prof	A1	
22.	1NH18EC022	CHALLA KUNDANA SAI	Prof	A1	
23.	1NH18EC023	CHANDANA C	Prof	A1	
24.	1NH18EC024	CHANDRA MOHAN P	Prof	A2	
25.	1NH18EC025	CHANDRA ROHITH CHOUDARY	Prof	A2	
26.	1NH18EC026	CHITTE ABHINAYKUMARREDDY	Glob	A2	
27.	1NH18EC027	CHOKKAM PREETHI KIRAN	Prof	A2	
28.	1NH18EC028	DASARI PRANEETH KUMAR	Glob	A2	

29.	1NH18EC029	DHAMINI.S	Prof	A2	Pa.
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31.	1NH18EC031	ERIC JOE	Prof	A2	Encl
32.	1NH18EC032	GOPAVARAM NITHISH KUMAR	Prof	A2	
33.	1NH18EC033	GADI SAI SANDEEP	Prof	A2	Blow
34.	1NH18EC034	GANDAVARAPU BHAVADEEP REDDY	Prof	A2	
35.	1NH18EC035	GANGANAPALLI VISHNU VARDHAN	Glob	A2	
36.	1NH18EC036	GELLI SARANYA	Prof	A2	Sury
37.	1NH18EC037	GOKARAJU RESHMA BHAVANI	Prof	A2	
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39.	1NH18EC039	GOURAV D H	Prof	A2	Ceora
40.	1NH18EC040	GOVINDRAJ C S	Prof	A2	
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42.	1NH18EC042	K C ANKITH	Prof	A2	
43.	1NH18EC043	K HARSHA VARDHAN	Prof	A2	
44.	1NH18EC045	KETHU PUNEETH KUMAR REDDY	Prof	A2	Sury
45.	1NH18EC046	K SANDEEP KUMAR REDDY	Prof	A2	
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47.	1NH18EC048	KAMINENI CHANDRIKA	Prof	A3	
48.	1NH18EC049	KANDRU HARSHITHA	Glob	A3	
49.	1NH18EC050	KANKANALA HEMANTH	Glob	A3	
50.	1NH18EC051	KASSETTY ABISHEKA VARDHAN	Prof	A3	Arul
51.	1NH18EC052	KAVIN ANBALAGAN	Glob	A3	
52.	1NH18EC053	KEERTHANA S	Glob	A3	
53.	1NH18EC054	KONANKI VAMSI KRISHNA	Prof	A3	
54.	1NH18EC055	KORAPATI REDDY YAMINI	Prof	A3	
55.	1NH18EC056	KUCHU SAIPRADEEP	Prof	A3	
56.	1NH18EC057	KUCHU SOMASEKHAR	Prof	A3	
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58.	1NH18EC059	KUMMARI SANKAR SAI	Prof	A3	
59.	1NH18EC060	KURAPATI SAI SWATHI	Glob	A3	
60.	1NH18EC127	KAKUMANU PRANEETHA	Prof	A3	
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66.	1NH18EC145	DINESH G	Prof	A3	
67.	1NH19EC400	Anusha S	Prof	A2	
68.	1NH19EC402	Farzee Sulthana	Prof	A3	Bas
69.	1NH19EC408	Arshitha P Reddy	Prof	A3	
70.	1NH19EC409	Lakshmipathi G N	Prof	B1	
71.	1NH18EC061	LOKESH Y	Glob	B1	
72.	1NH18EC062	ROHIT M	Prof	B1	Sudat
73.	1NH18EC063	M SUCHITH	Prof	B1	
74.	1NH18EC064	MADALA BHANU PRAKASH	Prof	B1	
75.	1NH18EC065	MALIKIREDDY CHAITANYA KUMAR REDDY	Prof	B1	Manoj
76.	1NH18EC066	MANISH M	Glob	B1	
77.	1NH18EC067	MANISHA PREM	Glob	B1	
78.	1NH18EC068	MANYAM SAIHEMANTH REDDY	Glob	B1	
79.	1NH18EC069	MARELLASURESH	Glob	B1	
80.	1NH18EC070	MATAM RISHI	Glob	B1	Perk
81.	1NH18EC071	MELITA ROSE G	Glob	B1	Perk
82.	1NH18EC072	NADENDLA LAKSHMI PRASANNA	Prof	B1	
83.	1NH18EC073	NANDANKUMAR K	Prof	B1	
84.	1NH18EC074	NAVODIT TIWARI	Prof	B1	
85.	1NH18EC075	NAVYA M K	Glob	B1	
86.	1NH18EC076	NEERUMALLA.LAKSHMI SAI MANIKANTA	Prof	B1	
87.	1NH18EC077	NEETHA NATARAJ	Prof	B1	Neetha
88.	1NH18EC078	NIDHISHREE KAWRI	Prof	B1	
89.	1NH18EC079	NIKITHA M S	Prof	B1	
90.	1NH18EC080	NIVEDITA SALIMATH	Glob	B1	M
91.	1NH18EC081	PENDYALA MANIKANTA	Prof	B1	
92.	1NH18EC082	PONNAGANTI NAVEEN KRISHNA	Prof	B1	
93.	1NH18EC083	PAPANABOINA VAMSI KRISHNA	Prof	B1	B