Course: Analog Circuits

Course Code: noc19-ee10

Session: 2018-19

Duration: 8 Weeks

Assessment procedures: Weekly Assignment (25%) + proctored certification Exam (75%)

Curriculum of the Course:

Week 1:

- Introduction,
- Poles and Zeros,
- Ideal Op-amp,
- Applications of OPAMP –
- Inverting and Non-Inverting Amplifier

Week 2:

- Applications of OPAMP (..Contd) – Summer Amplifier
- Difference Amplifier
- Integrator
- Differentiator

Week 3:

- Non Idealities in an OPAMP – Finite Gain,
- Bandwidth,
- Slew Rate,
- Saturation,
- Offset Voltage,
- Bias Current

Week 4:

- Bode Plots,
- Frequency Response,
- Millers Theorem,
- Feedback,
- Effect of Feedback

Week 5:

- Stability,
- Nyquist Plot,
- Phase Margin,

- Gain margin,
- Frequency Compensation

Week 6:

- Filter Design,
- Butterworth and Chebyshev Filters Non Linear Applications of Filters – Limiters,
- Oscillators,
- Multivibrators

Week 7:

- Diodes,
- Basic BJT Circuits

Week 8:

- Basic BJT based circuit

List of students enrolled

S.No	Name of Student
1	SHANKAR SHARMA
2	Chirag Jain
3	Aakriti Dwivedi
4	Aditya Dadhich
5	Tarun
6	Deepak Agrawal
7	Ananya Tiwari
8	Anjali Jain
9	ANJALI PARIK
10	Anju Choudhary
11	Anshu Dhaka
12	Anuj Nama
13	Rohit Arora
14	ASHISH YADAV
15	Dharmesh
16	Chetan Kumar Regar
17	DARSHAN SHARMA
18	DHEERAJ SAHU
19	Devendra Aggarwal
20	Atul Jain
21	Madhulika Jain
22	Jai Sharma
23	Jatin Bhandari
24	Himanshu Jain

25	Jitisha S. Gupta
26	Kanak Agrawal
27	Rishi Maheshwari
28	Manju Choudhary
29	Manvendra Shekhawat
30	Mayank Dhaka
31	Aayushi Meena
32	Naman Mishra
33	Mohit Balotia
34	Monalisa
35	Padmakshi Jain
36	Pramod Meena
37	PRERNA VERMA
38	Puneet Mathur
39	Rahul Kumawat
40	Rajat Jangid
41	Ritik Kala
42	Riya Soni
43	Sachin Olkha
44	Rajkumar Saini
45	Sakshi Sharma
46	Sanskar Sonkhiya
47	Saurav Kumar Jha
48	Chatrapal Singh Shaktawat
49	Shikha Singh
50	SRASHTI SHARMA
51	Ritik Sharma
52	Subhash Dudi
53	Sushobhit Nigam
54	Shivang Tiwari
55	Vaibhav Singh Chouhan
56	RAJAT VERMA
57	Priyanka Jain
58	Yash Kumar