



Module PMRF-ISSS001

Analog Electronic Circuits

Name of the PMRF student

Anand Kumar Rai

Course Relevant to

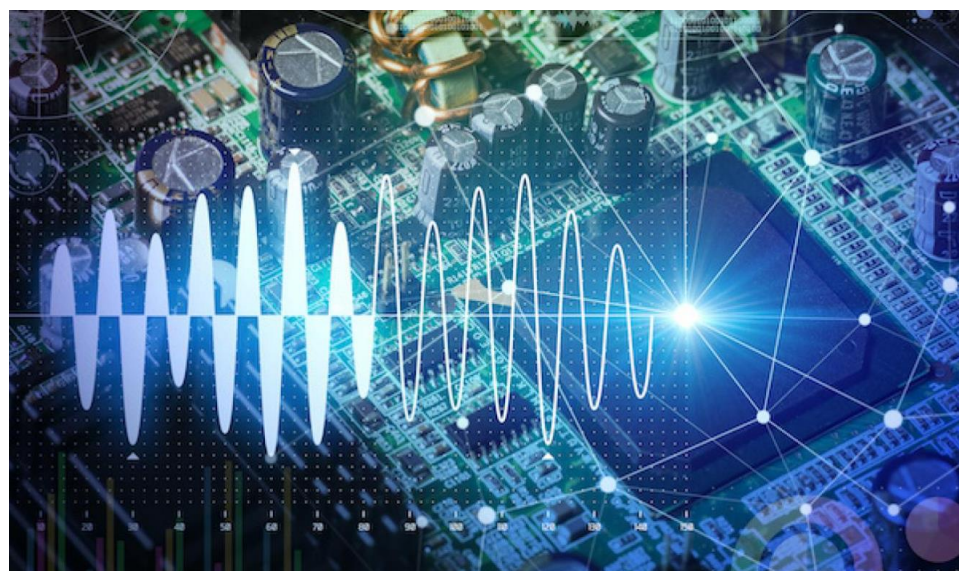
- UG Students of Electronics Engineering, Electrical Engineering,
- M.Sc Physics, M.Sc Electronic Science

Faculty coordinator

Prof. Anurekha Sharma, Department of Electronic Science, Kurukshetra University

Online session coordinator

Keerthana G



Details of the content of the module

The signals that we see in our daily life are primarily analog in nature. These signals, after being processed in digital form in computers, are converted back into analog form for our own understanding. This course deals with the basics of analog circuits required for the processing of analog signals. The course is divided into FOUR modules as under

- **Module I : Filters and Amplifiers (7 hrs)**

It talks about different kinds of filters and amplifiers used in analog circuits.

- **Module II : MOSFETs (12 hrs)**

It covers in detail about DC biasing and small-signal analysis of MOSFETs.

- **Module III : Operational Amplifiers (9 hrs)**

It includes differentiators, integrators, difference amplifiers etc. using Op-Amp.

- **Module IV: Wave- Shaping Circuits (10 hrs)**

Includes multivibrators, oscillators and waveform generators.

Each module will have one class devoted to numericals.

Schedule of the module

Start date : 5th June, 2021

**Class schedule : Every Saturday and Sunday
from 4 pm to 5:15 pm**

End date : September 2021

Meeting link

<https://meet.google.com/eta-jztr-dsa>

Contact email ID: issforum@gmail.com

Registration link:

<https://forms.gle/Dceac5KjKbfSgAGt5>



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