# PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF ENGINEERING \& TECHNOLOGY, BARGARH 



LESSON PLAN
Session: 2023-24

## 4th Semester

## Electrical Engineering

## ANALOG ELECTRONICS \& OP-AMP

Sri Niranjan Behera
Sr. Lect. in Electronics\& tele comm.

Semester From Date :16-01-2024_ To Date :26-04-2024


Semester from Date: 16-01-2024_ To Date: 26-04-2024
 Signature of the Faculty

Semester From 16-01-2024_ To Date :26-04-2024

| Week | Class Day | Theory /Practical Topics |
| :---: | :---: | :---: |
| 13th | 1 | FET parameter 1.DC drains resistance 2. AC drain resistance 3.Transconductance |
|  | 2 | Biasing of FET |
|  | 3 | Revision of FET |
|  | 4 | Operational amplifier (op-amp) . Block Diagram and Equivalent Circuit of op-amp |
| 14th | 1 | Open-loop op-amp configuration |
|  | 2 | Close-loop op-amp configuration. Inverting op-amp |
|  | 3 | Non-inverting op-amp, voltage follower \& buffer differential amplifier. |
|  | 4 | Adder or summing amplifier |
| 15th | 1 | Subtractor, Integrator |
|  | 2 | Differentiator and comparator |
|  | 3 | Revision and probable question discussion |
|  | 4 | Question of previous year semester Examination |
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Niromjon Behera
Signature of the Faculty

