

## PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR

## DEPARTMENT OF ELECTRICAL ENGINEERING

Teaching Learning Process

## Initiatives in improving instructional methods / Assessment method

Instruction method used: Technical Quiz/Analogy/ use of e-Resources (NPTEL, DTEL, e-journals, e-books, e-learning, etc) / Presentations / Expert Lectures / Group Discussion / Study Groups/ Real World Examples / Surprise test/Open book test/ Objective Test / Visit/ In house Workshop / Value added course / Participation in technical fest / Virtual Lab. / Any other \_\_\_\_\_

Session: 2024-25 Semester: 7<sup>th</sup> Sem Section: B

Subject: Electrical Installation & Design

Topic: Circuit Breaker and its various types

CO: CO2 PO: 1,2,3,6,12

Objective: To give the detailed knowledge of circuit breaker and its different types.

## Implementation Method:

NPTEL Video lecture was shown to the students on Topic "Circuit breaker and its various types" in Seminar Hall.

Link: <https://youtu.be/IRv2RVyYMTM?si=CobaX-YarVeuY5rQ>

## Impact/Conclusion:

The students got the detailed knowledge about the working & construction of circuit breaker and its different types.

## Enclosures:

OPR

Attendance sheet

Photograph

Date: 15/07/24

Gambas

Name & Signature of Faculty

Prof P. N. Gambas

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Photograph:



P. N. Gunkar

Name & Signature of Faculty

Prof. P. N. Gunkar

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Session: 2023-24Semester: IIISection: ASubject: Electrical Measurement and InstrumentationTopic: PMMC InstrumentCO: 01PO: 4, 5

Objective: 1) To make them understand the topic by experts from IIT 2) Online mode of learning make them learn easy.

**Implementation Method:**

Offline but through online NPTEL platform. construction and working of PMMC instrument has been shown to the students.

NPTEL Video Lecture by Prof. Avishek Chatterjee, IIT, Kharagpur

Impact/Conclusion: <https://youtu.be/nIMioLtvnPR?si=ydr8ufS4D0Zer0dJ>

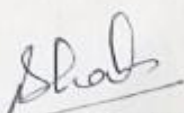
Students have understood the basics and advancement in instrument through this course.

**Enclosures:**

(1) OPR

(2) Attendance

Date: 16/10/23

  
Name & Signature of Faculty  
H. B. Sarvaiya

**PRIYADARSHINI COLLEGE OF ENGINEERING**  
Department of Electrical Engineering

**ICT Tools- NPTEL Lecture**

|                           |   |                                                                                                                                                                                                                                                            |
|---------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Event Title               | : | NPTEL Lecture on Measuring Instrument PMMC                                                                                                                                                                                                                 |
| Name of subject           | : | Electrical Measurement and Instrumentation                                                                                                                                                                                                                 |
| Semester                  | : | III Sem B.TECH EE                                                                                                                                                                                                                                          |
| Section                   | : | A                                                                                                                                                                                                                                                          |
| Session                   | : | 2023-24                                                                                                                                                                                                                                                    |
| Event Date and Time       | : | 16/10/2023      3:00 pm -4:00 pm                                                                                                                                                                                                                           |
| Event Conduction Duration | : | 1 Hour                                                                                                                                                                                                                                                     |
| Mode of Conduction        | : | Online through Internet                                                                                                                                                                                                                                    |
| Name of Event Coordinator | : | H. B. Sarvaiya, PCE Nagpur                                                                                                                                                                                                                                 |
| Name of Resource Person   | : | Prof. Avishek Chatterjee Department of Electrical Engg. IIT Kharagpur                                                                                                                                                                                      |
| Number of Students        | : | 39                                                                                                                                                                                                                                                         |
| Objectives                | : | <ul style="list-style-type: none"> <li>• To make them understand the topic through experts</li> <li>• Online modes of learning allow them to learn easily</li> </ul>                                                                                       |
| Outcome                   | : | <ul style="list-style-type: none"> <li>• Students will able to Understand</li> <li>• Classification, Construction, and Working of Instruments.</li> <li>• Torque equation based on the operation performed</li> <li>• Comparison of Instruments</li> </ul> |



*Shashi*  
H.B. Sarvaiya