

1. Topic- Circuit Breaker

2. Overview of the topic- A circuit breaker is an electrical switch designed to protect an electrical circuit from damage caused by overcurrent/overload or short circuit. Its basic function is **to interrupt current flow after protective relays detect a fault.**

3. Teaching method-own video lecture.

4. Proof of the activity: <https://drive.google.com/file/d/12veLMp-9ZmUh16u6Ww2p5TyvY2bkUVte/view?usp=sharing>

Students Activity: MCQ conducted in Moodle

5. Feedback from student and knowledge gained: Students informed that the concept of working of circuit breaker is understandable and clear

6. Outcome of the Activity: Able to learn the working and how the circuit breaker operates and why it is needed

2. Topic- Bulk Oil Circuit Breaker

2. Overview of the topic- Oil circuit breaker is such type of circuit breaker which used oil as a dielectric or insulating medium for arc extinction. In oil circuit breaker the contacts of the breaker are made to separate within an insulating oil. When the fault occurs in the system the contacts of the circuit breaker are open under the insulating oil, and an arc is developed between them and the heat of the arc is evaporated in the surrounding oil

3. Teaching method-own video lecture.

4. Proof of the activity: <https://drive.google.com/file/d/1a2mSCk-yf6T8nt33JKNtryFwgJQtrRio/view?usp=sharing>

Students Activity: MCQ conducted in Moodle

5. Feedback from student and knowledge gained: Students expressed that , they gained knowledge about the bulk oil circuits breaker . What are merits and consequences of the circuit breaker is explained clearly

6. Outcome of the Activity: Able to know the overview of bulk oil circuit breaker , merits and demerits of the breaker