

Sarvajanik Education Society  
**Sarvajanik College of Engineering & Technology**  
Dr. R.K.Desai Marg,Opp.Mission Hospital,Athwalines,Surat-395001

## **FACULTY OF ELECTRICAL ENGINEERING**

Report of workshop on  
**“AIR CIRCUIT BREAKER”**  
In association with L&T, Surat  
For BE – IV ELECTRICAL STUDENTS  
Academic Year: 2018-19



Sarvajanik Education Society  
Sarvajanik College of Engineering & Technology, Surat  
Department of Electrical Engineering



### ***One Day Workshop on***

### ***Air Circuit Breaker***

***Conducted by : Department of Electrical Engineering, SCET.***  
***In association with L& T***  
***Date:20/03/2019***

***Coordinators: Prof. Sharad B. Patel***  
***Prof. Naman Bhatt***  
***Prof. Krishna Vakharia***

***Head of Dept.: Dr. Hiren Patel***

***Patron: Prof. Vaishali Mungurwadi,***  
***Principal***

**Date:** 20/3/2019

**Venue:** N J Seminar Hall

**Speaker:** Mr. Biren Patel: Asst. Manager, L& T

**No. Of Participants:** 90

Electrical Engineering Department has organised a Workshop on '**AIR CIRCUIT BREAKER**' in association with **L&T, Surat**. The main aim of workshop was to provide platform for interaction between Industries and academia.

Final year students had hands on practice on air circuit Breaker and also gained practical aspect knowledge regarding air circuit breaker.

During Lecture session, Mr. Biren Patel has explained about U-power Omega Air circuit Breaker specification, also described how to specify Circuit Breaker in industries as per application. They also discussed about various release in Air circuit Breaker.

During Practical session they demonstrated rack in and rack out operation of breaker, also opening and closing operation of breaker, various inter locked in circuit breaker, various safety features in the breaker, they also explained about Matrix release in the breaker. Students gained Hands on experience during Practical session.

Students have seen various internal part like contact jaw, safety shutter, internal CT, interlock mechanics. spring charge motor and various electrical connection They also acknowledged procedure for how to configure and modify air circuit breaker as per application.

In the year 2010 U-power Omega Air circuit Breaker got best product award from ELECRAMA.





