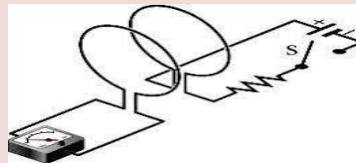
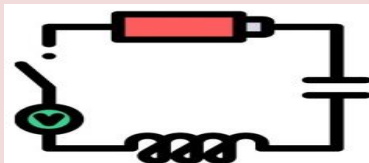


# Add-on Course on Domestic Electric Circuit

Registration Fee: Free

Last date: 14 July 2024



Organized by **DEPARTMENT OF PHYSICS**

**Sir P. T. Science College, Modasa**

## Requirements

- Have a basic understanding of electricity and electronics.
- Interested in learning electricity.
- Own a multi-meter, Electric Testers.

## Description

**"Domestic Electric Circuit" makes electricity connections easy!**

This course includes Practical's and text explanations of everything in electricity connections in daily life, and it includes more than 8 Experiments with easy-to-understand explanations. 'The Domestic Electric Circuit Course' is organized into four sections:

1. Basic concepts
2. Basic laws
3. Methods of analysis
4. Experiments

## Who this course is for:

- First year students of B Sc..
- University, college or school students taking an electricity or electronics Connection course.
- Anyone interested in gaining mastery of the core concepts of electrical and electronic Sciences.

**For Certification require fulfillments evaluation and presence**

**Course Duration: 30 contacts**

**Course Commencement From 15<sup>th</sup> July 2024**

**Course Coordinator:- Prof Girish Vekaria**

**HOD:-Dr R H Parmar**

## Aims of the programme:

- To develop the skills required to gather information from resources and use them.
- To provide an intellectually stimulating environment to develop skills and enthusiasms of students to the best of their potential.
- To give need based education in physics of the highest quality at the undergraduate level.
- To offer courses to the choice of the students.
- To enable students to perform experiments and interpret the results of observation, including an assessment of experimental uncertainties.

## Objectives:

By the end of the add on Course on Domestic Electrical Circuit Connection the students should have attained a common level in basic of Electrical Circuit physics to complement the core for their future courses and developed their experimental and data analysis skills through experiments at laboratories.

## Basics of Electric Circuits Connections

- ✓ Domestic Electric Circuits
- ✓ Types of Wire involved in Domestic Electric Circuits
- ✓ How Does the Distribution of Electricity happen?
- ✓ Short Circuit and Overloading
- ✓ Electric Fuels
- ✓ Fuse and MCB
- ✓ Earthing
- ✓ Electric Metre
- ✓ Overhead Cables & Underground
- ✓ Supply Electricity
- ✓ Precautions

