

Date: 25.07.2023

Report on Workshop on “Basics of Electronics”

Name of the Program:	Basic of Electronics	Program Dates & Timings:	21.07.23 10 am – 4 pm			
Name & Details of the Resource Person:	Mrs. Thrapthi Shetty	Mr. Ganesh U G				
Organized by (Clubs/ Dept.)	IEI student chapter	In Association with	Embedded & Robotics club			
Number of Participants	46	Students	46	Faculty	1	
Program Outcome (PO) Mapping	PO 1, PO 2					

About the Program:

The Aim of the event was to teach the Basics of Electronics for high School Students of Government High school, Koyla.

In the first session of the workshop, the basics of Electronics, Electrical tools essential to build electronic circuits, safety measures to be followed, symbols used to illustrate electronic components, Introduction to breadboard, types of circuits, working of a switch was explained.

Workshop Mainly Focused on rigging of circuits using LED, Resistors, switch, Battery using breadboard. Participants were able to identify different values of resistors by understanding the colour codes of the resistors.

Second session was focussed on explaining the colour codes of the resistor and Third Session was focused on hands-on Sessions. Initially Participants were

asked to draw the simple circuit in the paper using pencil to ensure the current flows through the graphite and attach LED to one end of the circuit and to attach a battery on another end to glow the LED. To make the participants familiar with the uses of a breadboard and its different parts, a simple circuit was built using one LED, a resistor and a battery. Then the Parallel and series circuits were built by the participants using three resistors, LED and a battery. Once the participants were familiar with the use of breadboard and different types of circuits, a traffic light circuit was built by the participants successfully.

Objectives: The program Basics of Electronics enable Participants to

- To Know the basic elements of electronic circuits.
- To build simple circuits using electronic components

Outcomes: On successful completion of program of this lecture/ technical talk/workshop the Participants should able to:

1. Understand the basics elements of electronic circuits.
2. To rig up simple circuits using electronic components.

Articulation Matrix:

Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	2	2							2			
2	2	2							2			
Average	2	2							2			

Photos:



Coordinator

HOD

Principal