



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

Date: 21-07-2023

From,

Mrs. Thrapthi Shetty

Assistant Professor

Department of ECE

A.J. Institute of Engineering and Technology, Mangaluru

To,

The Principal

A.J. Institute of Engineering and Technology, Mangaluru

Respected Sir,

Sub: Seeking permission to conduct Workshop on “Basics of Electronics”

We are planning to conduct Workshop on “Basics of Electronics” on 25-07-2023 for high school students of Government High School. In this session, resource person will give information about basics elements of electronic circuits and rig up simple circuits using electronic components. I request you to grant permission for the same.

Thanking you,

Staff Coordinator

Mrs. Thrapthi Shetty

Principal

A.J. Institute of Engineering & Technology
Mangaluru - 575 006



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Date: 25.07.2023

Report on Workshop on “Basics of Electronics” for high School Students of Government High school, Koyla

Name of the Program:	Basic of Electronics	Program Dates & Timings:	25 .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 (clubs)	Embedded & robotics club
Number of Participants	46	Students	46 Faculty 0
Program Outcome (PO) Mapping	PO1,PO2,PO9		
Coordinators	Mrs. Thrapthi Shetty, Mr. Ganesh U G		

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 devices, 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 in breadboard. Students

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were able to identify different values of resistors by understanding the color codes of the resistors.

Second session was focussed on explaining the color 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 LE D to one end of the circuit and to attach a battery on another end to glow the LED. To make the students 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 students by using three resistors, LED and a battery. Once the students were familiar with the used of breadboard and different types of circuits, a traffic light circuit was built by the participants successfully.

Objectives: The program Basics of Electronics enable students/ faculty 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 student should able to:

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

Articulation Matrix:

Course 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			

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Photos:



[Signature]
Coordinator

[Signature]
HOD

[Signature]
Principal

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