



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

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

Date: 1-8-2023

From,

Dr. Laxmi G.

Associate Professor

Department of CSE

A.J. Institute of Engineering and Technology, Mangaluru

To,

The Principal

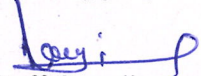
A.J. Institute of Engineering and Technology, Mangaluru

Respected Sir,

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

We are planning to conduct Workshop on “Basics of Electronics” on 04-08-2023 for PU students of SDPT PU College. 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

Dr. Laxmi G.


Principal

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

Date: 04.08.2023

Report on Workshop on “Basics of Electronics” for students of SDPT, PU College.

Name of the Program:	Basic of Electronics	Program Dates & Timings:	04-08-23 10 am – 4 pm			
Name & Details of the Resource Person:	Mr. Manjukiran B	Dr. Gnane Swarnadh Satapathi				
Organized by (Clubs/ Dept.)	IEEE student chapter	In Association with	Dept. of ECE			
Number of Participants	49	Students	48	Faculty	1	
Program Outcome (PO) Mapping	PO 1, PO 2, PO9					
IIC Ambassadors	Dr. Laxmi G, Dr. Sangeeta DM					

About the Program:

The Aim of the event was to teach the “Basics of Electronics” for students of SDPT, PU College.

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 be 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			

Principal

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

Photos:



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



S. K. [Signature]
Coordinator

[Signature]
Principal
Principal
A.J. Institute of Engineering & Technology
Mangaluru - 575 006