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AJ INSTITUTE OF ENGINEERING & TECHNOLOGY
A Unit of Laxmi Memorial Education Trust ®
(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

AJIET

Date: **10-07-2023**

Report on "Workshop on Arduino based Projects"

Name of the Program:	**Workshop on Arduino based Projects**	Program Dates & Timings:		08-07-2023	
Name & Details of the Resource Person:	Mr. Swastik Nanda CADD Engineer CADD Centre, Mangaluru				
Organized by (Clubs/ Dept.)	Department of Mechanical Engineering	In Association with (clubs)		ARMS	
Number of Participants	52	Students	41	Faculty	10
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO5, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2.				
Coordinators	Mr. Prashantha D A &Mr. Nithin Shet, Dr.Sunilkumar M				

About the Program:

Arduino is a fantastic platform to unleash your creativity and learn about electronics and programming. With its user-friendly interface and vast community support, Arduino opens up a realm of possibilities for bringing your ideas to life. But with Arduino application projects, it can be difficult to know where to start. Hence to train mechanical engineering students workshop on arduino based projects organised by mechanical engineering department in association with ARMS. The resource person for this workshop, Mr.Ajay Prinston Pinto, Director of IQmetric solutions Private Limited,explained with demonstration various tools and techniques to start programming and testing.

Workshop was inaugurated by principal .Dr.Shantarama Rai C along with HOD Dr.Rajesh Rai, resource person Mr.Ajay Prinston Pinto, and association coordinator Mr.Prashantha D A.

Objectives: The program **Workshop on Arduino based Projects** enable students to

1. Understand the basics of Computer Aided Drawing using Arduino.

2. Explain the use of different tools and methods of programming Arduino.
3. Be a leader of a team and effectively communicate with all level of students.

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

1. Understand the basics of Arduino.
2. Explain the use of different tools and methods of programming Arduino
3. Apply the knowledge of Arduino to actuate and control mechanical elements and system.

Articulation Matrix:

Course Outcomes	Program Outcomes POs												PSOs of Dept. of ME	
	1	2	3	4	5	6	7	8	9	10	11	12	PSO 1	PSO 2
1	3				3			1	2	1		2	3	2
2	3	3	3		3				2	1		2	3	2
3	3	3	3		3				2	1		2	3	2
Average	3	3	3		3			1	2	1	3	2	3	2

Photos:

Coordinator   **HOD**   **Principal**