

AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

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

Date: 23-03-2023

Report on " Workshop on *Basics of Arduino Programming For High School Students"

Name of the Program:	Workshop on *Basics of Arduino Programming _ For High School Students	Program Dates & Timings:	17.02.2023			
Name & Details of the Resource Person:	Dr. Gnane Swarnadh Satapathi, Mr. Suhandas, Mr. Manjukiran					
Organized by (Clubs/ Dept.)	IEEE Student Branch- AJIET-EC	In Association with	-			
Number of Participants	30	Students	27	Faculty	3	
Program Outcome (PO) Mapping	PO6, PO9, P10,					
Coordinators	Dr. Gnane					

About the Program:

The Aim of the event was to teach the Basics of Arduino Programming for High School students of Bantwal Cluster Schools. In the first session of the workshop, the basics of Microcontroller, Different Types of Arduino available and different application of it was explained. Workshop mainly focused on usage of Arduino UNO. Students were able to identify different pins in the Arduino UNO and usage of each Pins. Second and Third Sessions were focused on hands-on Sessions. Initially Participants were asked to write a program to blink a LED, followed by series of LED. In the third Session Interfacing of Different was taught and students were able to Interface Temperature, Moisture, Gas, Rain Detector etc Successfully. Students participated actively and different modules were presented. Totally 72 students had participated.

Objectives:

The objectives of the events are

- Enhance the educational skills for high school students.

- Provide hands-on session regarding the usage and interfacing wrt Arduino UNO.
- Develop creative and critical thinking through presentations.

Outcomes:

The expected outcomes include;

- Students showed interest in such kind of technology.
- Team activities improved hands-on session skills among the students
- The presentation program boosted self-esteem and confidence.

Articulation Matrix:

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

Photos:



Handwritten signature of the HOD in blue ink.

HOD
H.O.D. - Electronics & Commn. Engineering
A.J.INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangaluru - 575 006, D.K., Karnataka

Handwritten signature of the Principal in green ink.

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



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Participant Students List Date: 17/02/2023

Event: Workshop on *Basics of Arduino Programming _ For High School Students

Sr.No	USN	Name	17/02/23	
			FN	AN
1.	4JK22EC059	Thrishul	<i>[Signature]</i>	<i>[Signature]</i>
2.	4JK22EC021	Karan Bhandary	<i>[Signature]</i>	<i>[Signature]</i>
3.	4JK22EC057	Thanisha	<i>[Signature]</i>	<i>[Signature]</i>
4.	4JK22EC044	Saakshi	<i>[Signature]</i>	<i>[Signature]</i>
5.	4JK22EC043	Sakshi Santhosh	<i>[Signature]</i>	<i>[Signature]</i>
6.	4JK22EC040	Rakshitha M	<i>[Signature]</i>	<i>[Signature]</i>
7.	4JK21CS013	Darshan	<i>[Signature]</i>	<i>[Signature]</i>
8.	4JK22EC042	Shreya D K	<i>[Signature]</i>	<i>[Signature]</i>
9.	4JK22EC039	Shama Shetty	<i>[Signature]</i>	<i>[Signature]</i>
10.	4JK21CS038	Rakshitha Shetty	<i>[Signature]</i>	<i>[Signature]</i>
11.	4JK22EC046	Sonal	<i>[Signature]</i>	<i>[Signature]</i>
12.	4JK22EC032	Pooja	<i>[Signature]</i>	<i>[Signature]</i>
13.	4JK22EC047	Shravyashree KA Shetty	<i>[Signature]</i>	<i>[Signature]</i>
14.	4JK22EC026	Moksha	<i>[Signature]</i>	<i>[Signature]</i>
15.	4JK22EC028	Nithin	<i>[Signature]</i>	<i>[Signature]</i>
16.	4JK22EC036	Rakshith Nayak	<i>[Signature]</i>	<i>[Signature]</i>
17.	4JK22EC005	Ashitha BY	<i>[Signature]</i>	<i>[Signature]</i>
18.	4JK22EC052	Sujanya P	<i>[Signature]</i>	<i>[Signature]</i>
19.	4JK22EC037	Raksha GV	<i>[Signature]</i>	<i>[Signature]</i>
20.	4JK22EC050	Suhan Rai K	<i>[Signature]</i>	<i>[Signature]</i>
21.	4JK22EC056	Vishnu Santhosh	<i>[Signature]</i>	<i>[Signature]</i>
22.	4JK22EC055	Sumanth	<i>[Signature]</i>	<i>[Signature]</i>
23.	4JK22EC005	Apporva Mithun	<i>[Signature]</i>	<i>[Signature]</i>
24.	4JK22EC048	Shashank J Moolya	<i>[Signature]</i>	<i>[Signature]</i>
25.	4JK22CS003	Akanksha	<i>[Signature]</i>	<i>[Signature]</i>
26.	4JK22EC004	Ashlesh S	<i>[Signature]</i>	<i>[Signature]</i>
27.	4JK22EC058	Thejas	<i>[Signature]</i>	<i>[Signature]</i>

[Signature]
Coordinator

Principal

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



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Students Feedback Form

Date: 17/02/2023

Event: Workshop on *Basics of Arduino Programming _ For High School Students

Note: Students should grade the feedback 1. Poor 2. Fair 3. Good 4. Very .Good 5. Excellent

Sr.No	USN	Name of the Student	How well-organized did you find the school facilities provided ?	How well do you rate the skill obtained by students?	How you rate the interest developed towards hands-on session offered to students?	How would you rate your overall experience in interacting with the students?	Signature
1.	4JK22EC059	Thrishul	4	3	3	4	
2.	4JK22EC021	Karan Bhandary	3	3	3	4	
3.	4JK22EC057	Thanisha	3	3	3	4	
4.	4JK22EC044	Saakshi	4	4	4	4	
5.	4JK22EC043	Sakshi Santhosh	4	3	3	3	
6.	4JK22EC040	Rakshitha M	4	4	4	4	
7.	4JK21CS013	Darshan	3	3	2	3	
8.	4JK22EC042	Shreya D K	3	3	3	3	
9.	4JK22EC039	Shama Shetty	4	4	4	4	
10.	4JK21CS038	Rakshitha Shetty	3	3	3	3	
11.	4JK22EC046	Sonal	4	4	4	4	
12.	4JK22EC032	Pooja	3	3	2	3	
13.	4JK22EC047	Shravyashree	2	2	2	3	
14.	4JK22EC026	Moksha	2	2	2	2	
15.	4JK22EC028	Nithin	2	2	3	3	
16.	4JK22EC036	Rakshith Nayak	2	2	2	3	
17.	4JK22EC005	Ashitha BY	3	2	3	2	
18.	4JK22EC052	Sujanya P	2	3	2	3	
19.	4JK22EC037	Raksha GV	2	3	2	3	
20.	4JK22EC050	Suhan Rai K	2	1	2	2	
21.	4JK22EC056	Vishnu Santhosh	4	2	4	3	
22.	4JK22EC055	Sumanth	3	3	3	3	
23.	4JK22EC005	Apporva Mithun	4	4	4	4	
24.	4JK22EC048	Shashank J Moolya	3	3	2	3	
25.	4JK22CS003	Akanksha	2	2	3	3	
26.	4JK22EC004	Ashlesh S	1	2	1	2	
27.	4JK22EC058	Thejas	3	2	2	3	

Coordinator

Principal

Principal

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