



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust<sup>®</sup>

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

Date: 14-02-2023

From,

Mr. Manjukiran

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 Arudino Programming”**

We are planning to conduct Workshop on “Basics of Arudino Programming” on 17-02-2023 for students of SDPT Kateel by first and second year Engineering Students. In this session, engineering students will give information about working of Arduino and interfacing of different sensors and Arduino. I request you to grant permission for the same.

Thanking you,

Staff Coordinator

Mr. Manjukiran

Principal

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



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 17.02.2023

## Report on Workshop on “Basics of Arduino Programming” for students of SDPT ,Kateel

Name of the Program:	Basic of Arduino Programming	Program Dates & Timings:	17.02.23 10 am – 4 pm		
Name & Details of the Resource Person:	Dr. Gnane Swarnadh Satapathi	Mr. Suhandas	Mr. Manjukiran		
Organized by (Clubs/ Dept.)	ECE	In Association with (clubs)	IEEE/IEI/ISTE		
Number of Participants	72	Students	72	Faculty	0
Program Outcome (PO) Mapping	PO1, PO2, PO9				
Coordinators	Mr. Manjukiran				

### About the Program:

The Aim of the event was to teach the Basics of Arduino Programming for the students of SDPT, Kateel by first- and Second-year Engineering Students.

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.

Principal

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**Objectives:** The program Basics of Arduino Programming enable students/ faculty to

- To Know the working of Arduino
- To Interface Different Sensors to Arduino

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

1. Explain working of Arduino
2. Interface Different Sensors to Arduino

**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			
3	2	2							2			
Average	2	2							2			

**Photos:**





**SDPT Kateel MangaluruIndia**

Karnataka , India

Long 74.831180°

Lat 12.912194°

17/2/2023 11:01 AM

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



*A. R. Kumar*  
Coordinator

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

ಸರಕಾರಿ ಪ್ರೌಢಶಾಲೆ ಕೊಯಿಲ ಬಂಟ್ವಾಳ ತಾಲೂಕು, ದಕ್ಷಿಣ ಕನ್ನಡ ಜಿಲ್ಲೆ, 574211

Email : [ghskoila@gmail.com](mailto:ghskoila@gmail.com)

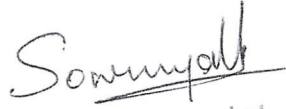
Mob :9845306019

This is to certify that the following Faculties from AJ institute Engineering and Technology have participated and given training on Arduino for the Our School children's and also for neighboring school children's which was held on the occasion of community day on 17/02/2023.

1. Dr. Gnane Swarnadh Satapathi – HOD, E&C Department .
2. Mr. ManjuKiran –Asst Professor, E&C Department.
3. Mr. Suhandas – Asst Professor, E&C Department.

Place : Koila

Date : 17/02/2023

  
ಮುಖ್ಯೋಪಾಧ್ಯಾಯರು  
ಸರಕಾರಿ ಪ್ರೌಢ ಶಾಲೆ, ಕೊಯಿಲ  
ಬಂಟ್ವಾಳ ತಾಲೂಕು, ದ.ಕ.ಜಿಲ್ಲೆ-574211

  
Principal  
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Mangaruru - 575 006

ಸರಕಾರಿ ಪ್ರೌಢಶಾಲೆ ಕೊಯಿಲ ಬಂಟ್ವಾಳ ತಾಲೂಕು, ದಕ್ಷಿಣ ಕನ್ನಡ ಜಿಲ್ಲೆ, 574211

Email : [ghskoila@gmail.com](mailto:ghskoila@gmail.com)

Mob :9845306019

ದಿನಾಂಕ 17/02/2023 ರಂದು ಸರಕಾರಿ ಪ್ರೌಢಶಾಲೆ ಕೊಯಿಲ ಇಲ್ಲಿನ ATL ಲ್ಯಾಬ್ ವತಿಯಿಂದ ನಡೆದ ಕಮ್ಯುನಿಟಿ ಡೇ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ Arduino ಬಳಕೆಯ ಬಗ್ಗೆ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ, AJ Institute of Engineering and Technology ಮಂಗಳೂರು ಇಲ್ಲಿನ ಕೆಳಕಂಡ ವಿದ್ಯಾರ್ಥಿಗಳು ಭಾಗವಹಿಸಿ ಸ್ಥಳೀಯ ಶಾಲಾ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತರಬೇತಿಯನ್ನು ನೀಡಿರುತ್ತಾರೆ.

Sl.No	Name Of the Student	Department
1	Thrishul	ECE
2	Karan Bhandary	ECE
3	Thanisha	ECE
4	Saakshi	ECE
5	Sakshi Santhosh	ECE
6	Rakshitha M	ECE
7	Darshan	CSE
8	Shreya D K	ECE
9	Shama Shetty	ECE
10	Rakshitha Shetty	CSE
11	Sonal	ECE
12	Pooja	ECE
13	Shravyashree K A Shetty	ECE
14	Moksha	ECE
15	Nithin	ECE
16	Rakshith Nayak	ECE
17	Ashitha B Y	ECE
18	Sujanya P	ECE
19	Raksha G V	ECE
20	Suhan Rai K	ECE
21	Vishnu Santhosh	ECE
22	Sumanth	ECE
23	Apporva Mithun	ECE
24	Shashank J Moolya	EC
25	Akanksha U Saadhana	CSE
26	Ashlesh S	EC
27	Thejas	EC

ಸ್ಥಳ : ಕೊಯಿಲ

ದಿನಾಂಕ : 17/02/2023

Principal

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

*Somenya*  
ಮುಖ್ಯೋಪಾಧ್ಯಾಯರು  
ಸರಕಾರಿ ಪ್ರೌಢ ಶಾಲೆ, ಕೊಯಿಲ  
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