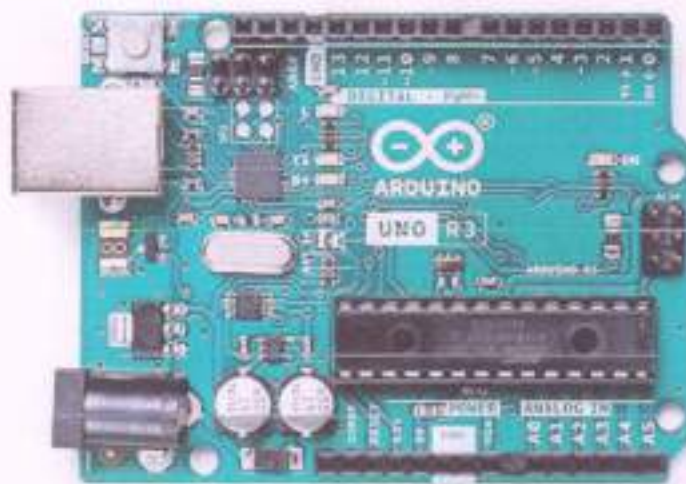


A REPORT ON

**Two Day Hands-On Workshop On
"ARDUINO – Programming & Interfacing"**

28/03/22 TO 29/03/22



Organized By



"॥ वाचं धेनुमुपासीत ॥"

Department of Mechatronics Engineering

Marathwada Mitra Mandal's Institute of Technology, Lohgaon,

Pune

Approved by AICTE New Delhi, Recognized by DTE Maharashtra & Affiliated to SavitribaiPhule Pune,
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Convenor

Dr. Anjali J. Joshi
Head of Department, Dept. of Mechatronics Engineering, MMIT, Lohgaon, Pune

Conducted & Co-ordinated By

Prof. Rigved P. Kelkar
Assistant Professor, Dept. of Mechatronics Engineering, MMIT, Lohgaon, Pune

The workshop aims to provide an Introduction to the ARDUINO Environment. The workshop will give insight into the programming of ARDUINO using ARDUINO IDE software. The participants will get to know interfacing and control of different peripherals by using ARDUINO Microcontroller





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Department of Mechatronics Engineering
(Academic Year: 2021-22)

Date-27/03/2022

NOTICE

All the SE students of Mechatronics Engineering Department hereby informed that our department is going to conduct 'ARDUINO' workshop. It is Starting from 28th March 2022.

Details of the Course:

Topic of course: **ARDUINO**

Duration: 08 Hours.

Course Fees – Free

Resource Person: Asst. Prof. R.P. Kelkar

E- Certificate will be awarded on the completion of the course. Attendance is mandatory to all students.

H.O.D

(Mechatronics Engg. Department.)

Agenda:

- Introduction about Microcontroller ATmega 328P
- Architecture of ARDUINO UNO
- Interfacing Circuits of ARDUINO UNO to various peripherals
- Different Real-life applications
- Programming in C

Learning Outcomes:

- Learn the basics of electronics, including reading schematics (electronics diagrams)
- Learn the Arduino programming language and IDE
- Program basic Arduino examples
- Prototype circuits and connect them to the Arduino
- Program the Arduino microcontroller to make the circuits work
- Connect the Arduino microcontroller to a serial terminal to understand communication and stand-alone use

The details about Workshop:

Title of Workshop: ARDUINO – Programming & Interfacing

Date: 28th March 2022 & 29th March 2022

Time: 10:00 am to 03:00 pm

Feedback Link: <https://forms.gle/FwqEEEDsxQ4ztj4C6>



Vote of thanks:

Prof. Rigved Kelkar, Coordinator of Workshop expressed thanks to Management for supporting and to Principal for motivating to arrange the Workshop. The participants of the Workshop wish to thank all resource person, and all the staff from MMIT for their dedication to show all aspects of the process, making the Workshop a valuable learning experience.

After successful completion of Workshop the Question Answer session was organized for participants. The Workshop was concluded with vote of thanks and feedback of Participants. After submission of Participants feedback, E-Certificate were provided to Participants.

images of Workshop:



Dr. Anil Inshi
Electronics Engineering



Feedback :

Name (without Mr/Mrs/Ms) (Printed On Certificate)	ROLL NO	Overall, how would you rate the session	How clearly did the Topics were explained?	How well did the speaker answer your questions?	How was the overall support provided by the organizing team?	Any Comment on Overall Workshop	Suggestions if any
Abhishek Gaikwad	SMX30	5	5	5	5	Good	NA
PRATHAMESH KACHARE	SMX09	3	5	3	5	No	No
Ayush Ambre	SMX01	5	5	5	5	Excellent	NA
Piyush Ambre	SMX02	5	5	5	5	NA	NA
SAHIL NARAYAN NIKALJE	SMX22	5	5	5	5	We want more workshops like this	NA
SHARAYU NANASAHEB MALEKAR	SMX18	5	5	5	5	It was really good	Would like to have more workshops like this.
OMKAR BAJIRAO LAWAND	SMX14	5	5	5	5	It was nice	We need more workshops
NIRAJ ONKAR MAHAJAN	SMX16	5	5	5	5	Workshop was amazing	Plz conduct more work shops like this.
KAPSE SURAJ VISHVAS	SMX12	5	4	5	5	it helped lot of.	-
NAWALE SHUBHAM MAHESH	SMX21	5	5	5	5	It was excellent	NA
Karan Ramesh Thakur	SMX26	5	5	5	5	This workshop was helpfull	No
YASHRAJ RAVINDRA ALANDE	SMX23	5	5	5	5	Great intiative, learning was fun	No
SAURABH GOPICHAND BHONDAVE	SMX03	5	5	5	5	It's very Good	Na
AKANSHA DIGAMBAR DHORE	SMX06	5	5	5	5	The best workshop so far	Would like to join similar workshops in future
PRATHMESH DHANANJAY NARALE	SMX20	5	5	5	5	Good experience	NA
PRATHAMESH SUSHIL DESHMUKH	SMX04	5	5	5	5	it was good experience	NA
VRUSHABH JAIN	SMX29	5	5	5	4	It was a good experience	-
ARHIFET DINKAR						I got very great experience on Arduino kit as well	Please take next level Arduino workshop



HARSHAVARDHAN MADAN						experience on Arduino and i learn new technique here	
GAURAV HITEN MAKWANA	SMX17	5	5	5	5	Your expertise in teaching has put our minds at ease. Until now i thought it was a difficult thing to program Arduino but now i am confident	I would love to learn more about it so it would be great if this course would be of 4- 5 days
AISHWARYA MAWAL	SMX19	5	5	5	5	The best workshop has been done this time	Expecting similar workshops in future
MAYUR VASANT BHAGWAT	SMX31	5	5	5	5	I was amazing experience when attending Arduino workshop, the workshop content is very useful and informative. Thanks to Anjali mam for guiding workshop and rigved sir for talking workshop..	Take workshop on microcontroller

Certificate :

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Marathwada Mitra Mandal's
INSTITUTE OF TECHNOLOGY (MMIT)
Lohgaon, Pune 411047



Department of Mechatronics Engineering
CERTIFICATE OF PARTICIPATION

VRUSHABH JAIN

Has Participated in Hands-On Workshop on "**ARDUINO - PROGRAMMING & INTERFACING**" dated on 28/03/2022 and 29/03/2022 Organized by
Mechatronics Engineering Department, MMIT Lohgaon, Pune-47





Dr. Anjali J. Joshi
HOD, Mechatronics



Dr. Rupesh Bhortake
Principal



Marathwada Mitra Mandals
Institute of Technology, Lohgaon, Pune
 Academic Year 2021-22
Mechatronics Engineering Department
SE Attendance
Arduino DAY 1

SR.	Roll No.	Name of student	Signature
1	SMX01	AMBRE AYUSH AJIT	
2	SMX02	AMBRE PIYUSH AJIT	
3	SMX03	BHONDAVE SAURABH GOPICHAND	ABSENT
4	SMX04	DESHMUKH PRATHAMESH SUSHIL	ABSENT
5	SMX05	DESHMUKH SANGRAMRAJE MANIKRAO	ABSENT
6	SMX06	DHORE AKANKSHA DIGAMBAR	
7	SMX07	GADHE BHAGYSHRI SHRIKRISHNA	ABSENT
8	SMX08	GAIKWAD LEENA TANAJI	ABSENT
9	SMX09	KACHARE PRATHAMESH ANIL	
10	SMX10	KADAM AVISHKA UMESH	
11	SMX11	KAMBLE PRITEE PRADIP	ABSENT
12	SMX12	KAPSE SURAJ VISHWAS	ABSENT
13	SMX13	KHARAT OMKAR SHASHIKANT	ABSENT
14	SMX14	LAWAND OMKAR BAJIRAO	ABSENT
15	SMX15	MAHAJAN GOVATI VIRENDRA	
16	SMX16	MAHAJAN NIRAJ ONKAR	
17	SMX17	MAKWANA GAURAV HITEN	
18	SMX18	MALEKAR SHARAYU NANASAHEB	
19	SMX19	MAWAL AISHWARYA PANKAJ	
20	SMX20	NARALE PRATHMESH DHANANJAY	
21	SMX21	NAWALE SHUBHAM MAHESH	ABSENT
22	SMX22	NIKALJE SAHIL NARAYAN	
23	SMX23	PALANDE YASHRAJ RAVINDRA	
24	SMX24	PANDEY ABHISHEK MAHENDRA	ABSENT
25	SMX25	SHINGOTE ABHJEET DINKAR	
26	SMX26	THAKUR KARAN RAMESH	
27	SMX27	VARPE HARSHVARDHAN MADAN	
28	SMX28	VISHWAKARMA ABHINAY SUBHASH	
29	SMX29	JAIN VRUSHABH DILIP	
30	SMX30	GAIKWAD ABHISHEK SUNIL	
31	SMX31	BHAGWAT MAYUR VASANT	
32	SMX32	CHENNUR OMKAR GURUPRASAD	ABSENT
33	SMX33	HAREL ABHISHEK RAJENDRA	ABSENT
34	SMX34	DESHPANDE SAMEER NAGESH	
35	SMX35	BARAPATRE ANAND NARENDRA	ABSENT
36	SMX36	PALANDE PRASAD RAVINDRA	ABSENT
37	SMX37	AYUSH KARPE VASUDEV	ABSENT



Dr. Anjali Joshi
 HoD, Mechatronics Engineering