



“Education for Knowledge, Science and Culture”
-Shikshanmaharshi Dr. Bapuji Salunkhe

VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)
INTERNAL QUALITY ASSURANCE CELL
2020-21



Quality Initiatives/ Activities Report

- 1. Name of Department:** ELECTRONICS
- 2. Name of Organized Activity:** One day workshop on “Hands on Training of Arduino”
- 3. Date/ Duration:** Saturday, 27/02/2021 at 11:00am to 04:30pm
- 4. Aims and Objectives:**
 - Understand Arduino basics, programming, and electronics.
 - Build and program Arduino-based projects.
 - Foster problem-solving and creativity in electronics and programming.
 - Enable participants to apply Arduino technology for personal, educational, or professional purposes.

5. No. of beneficiaries: Total 32 Students had participated for this program.

6. Expenditure & funding agency:/collaborators: 2000/- (Funded by the College)

7. Brief description: Department of Electronics Vivekanand College, Kolhapur (Autonomous) And Department of Electronics New College, Kolhapur was organized One day workshop on “Hands on Training of Arduino” under MoU activity dated 27th February 2021 at Room no. 19. The theme of Program was “Hands on Training of Arduino”. The Chief Guest of this program was Dr. A. M. Shaikh HOD, Electronics New College, Kolhapur and the chairperson was Dr M.M. Karnjkar Dean of Science, Vivekanand College, Kolhapur (Autonomous). The resource persons of this workshop are Dr Milind S. Patil Partner, ASM SYSTEM Kolhapur and Dr K.D. Attar lecturer, New College, Kolhapur.

The program was started at 11 a.m. with Sanstha Prayer and Introductory speech by Mr. D. M. Panhalkar HOD, Electronics Vivekanand College, Kolhapur (Autonomous). Afterwards Inauguration speech was given by Dr. A. M. Shaikh and Dr M.M. Karnjkar. Introduction of guests was given by Mr. D. M. Panhalkar.

The first session of program was started on 11.00 a.m. up to 1.30 p.m. for Third year students of Vivekanand College and New College. In this section Dr. Milind Patil Sir gives lecture on basics of Arduino. Then Refreshments were arranged at canteen from 1.30 pm to 2.30.p.m for all faculty members. Then Second session started on 2.30 p.m. up to 4.30 p.m. In this section Dr. K.D. Attar sir gives demonstration on Arduino board. Finally Mr. P.R.Bagade Assistant Professor, Vivekanand College, Kolhapur has given vote of thanks.

The Program was anchored by Mr. N.P. Mote Assistant Professor, Vivekanand College, Kolhapur and Mr. Karan Manohar Garale, T.Y. electronics student Vivekanand College Kolhapur.

There were total 32 students were participated for this program. The participants are benefited by the knowledge of Arduino and demonstration of Arduino board.



8. Outcomes:

- i. Understanding of Arduino Basics: Participants will gain a fundamental understanding of what Arduino is, its hardware components, and its programming environment.
- ii. Electronic Circuit Design: Participants will learn how to design basic electronic circuits, connect sensors, LEDs, motors, and other components to the Arduino board.
- iii. Inspiration for Future Projects: Hands-on training with Arduino can inspire participants to continue exploring electronics and programming, leading to the development of their own innovative projects.
- iv. Students will become familiar with the broader Arduino ecosystem, including the availability of various Arduino boards.

9. Photos:




Photo 1, 2: Speech by Resource person Dr. Milind S. Patil, ASM System, Kolhapur





Photo 1, 2: Speech by Resource person Dr. K.D. Attar, Assistant Professor, The New College, Kolhapur

10. Signatures of coordinator/ organizer:


Head
Department of Electronics
Vivekanand College, Kolhapur.



Head of Department

Electronics

Date: 25 -02-2021

To,
The Principal,
Vivekanand College, Kolhapur (Autonomous)

Sub: Permission to organize One day Workshop

Respected Sir

Department of Electronics has organized one day Workshop on "Hands on Training of Arduino" on Saturday, 27th February 2021. So please give the permission for the same.

Thanking You,

Yours Faithfully

(Mr D.M.Panhalkar)

Expected Expenditure for workshop

| Sr.No | Resource Person | Remuneration |
|-------|--|--------------|
| 1. | Dr.Khwaja Attar Assistant Professor New College, Kolhapur. | 1000/- |
| 2. | Dr.M.S.Patil Partner ASM System, Kolhapur | 1000/ |

Allowed.
PE
25/2/21



"Education for Knowledge, Science and Culture"
-Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College Kolhapur (Autonomous)

One Day Workshop on
"Hands on Training of Arduino"

Organized

By

Department of Electronics Vivekanand College Kolhapur (Autonomous)

And

Department of Electronics New College Kolhapur

As a MoU Activity

****PROGRAM SCHEDULE****

| | |
|-------------------------|---|
| ➤ Introduction | Mr. D. M. Panhalkar HOD Electronics Vivekanand College Kolhapur (Autonomous) |
| ➤ Chief Guest | Dr. A. M. Shaikh HOD Electronics New College, Kolhapur |
| ➤ Chairperson | Dr. R. R. Kumbhar Principal Vivekanand College Kolhapur (Autonomous) |
| ➤ Vote of Thanks | Mr. P. R. Bagade Assistant Professor Vivekanand College Kolhapur (Autonomous) |

Day & Date: Saturday, 27th February 2021

| Inauguration | 11:00 a.m.-11.30 a.m | Venue |
|--|---|----------------------------------|
| Session I Time: 11:30- am to 01:00 pm | Dr. M. S. Patil Partner ASM System, Kolhapur Topic: Arduino for Beginners | Room No:19 |
| Time: 01:00 pm to 01:30 p.m. | Break | |
| Session II Time: 01:30- pm to 03:30 pm | Dr. Khwaja Attar Assistant Professor New College, Kolhapur. Topic: Hands on Training on Arduino | Department of Electronics |



Jr. College Recog. No. H.S.C./1074/R-1/DT : 8-8-1976
Jr. College Code No. 23-09-002
Jr.College U.Dise No.27341301006

“ ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ”
शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Estd. : June 1964



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416 003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



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| Founder Dr. Bapuji Salunkhe D. Lit. | President Hon. Chandrakant Dada Patil MLA | Chairman Prin. Abhaykumar Salunkhe M.A. | Secretary Prin. Mrs. Shubhangi Gavade M.Sc., B.Ed. | Principal Dr. R. R. Kumbhar M.Sc. M.Phil., Ph.D. |
|---|---|---|--|--|

Ref No. VCK/ 1142/2020-21

Date : 26/2/2021

To,
Dr. M. S. Patil
Partner,
ASM System, Kolhapur

Subject: Invitation as a Resource person for day Workshop on
“Hands on Training of Arduino”

Respected Sir,

It gives us an immense pleasure to invite you as Resource person for One Day workshop on on “Hands on Training of Arduino” on Saturday, 27th February 2021 at Vivekanand College, Kolhapur (Autonomous).

We will be highly obliged if you accept our invitation and add grace to the program.

Thank you.

(Mr D. M. Panhalkar)
Workshop Co. or dinator
Head
Department of Electronics
Vivekanand College, Kolhapur.



Yours faithfully,

P. R. K.
(Dr. R. R. Kumbhar)
PRINCIPAL
Vivekanand College
Kolhapur

Department of Electronics
Vivekanand College Kolhapur (Autonomous)
And
Department of Electronics New College Kolhapur

As a MoU Activity
One Day Workshop on
"Hands on Training of Arduino"

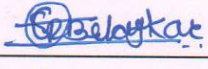
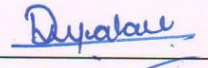
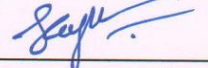
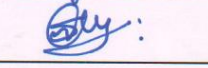
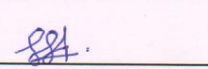
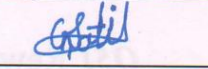

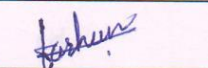
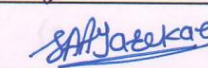
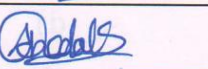
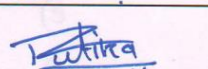
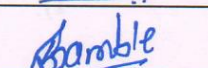
Attendance

27th feb, 2021

| Sr. No. | Name of the Student | class | Name of the College | Signature |
|---------|----------------------------|-------------|----------------------|----------------------|
| 1. | Vilas B. Dandgule | B.Sc. - III | VCK college | <u>Vilas</u> |
| 2. | Aakash Rajendra Kalgutkar. | B.Sc - III | VCK College. | <u>Aakgutkar</u> |
| 3. | Bharat Shivaji Shingare | B. Sc III | YCK College | B.S. Shingare |
| 4. | KARAN. M. G. HARALE | B. Sc III | ———— " ———— | KARAN |
| 5. | Sunil V. Ghorpade. | B. sc III | VCK college. | <u>Sunil</u> |
| 6. | Ashish Sunil Kambly | B. sc III | VCK | <u>Ashish Kambly</u> |
| 7. | Siddharth S. Shete | B. SC - III | VCK | <u>S.S.</u> |
| 8. | Tushar D. Chougale | B. SC III | Vsck | <u>Tushar</u> |
| 9. | Abhishek Khadye | B. SC III | NCK college. | <u>Abhishek</u> |
| 10. | Dipak B. Koli | B. SC III | New college Kolhapur | <u>Dipak</u> |
| 11. | Suraj sanjay mahekar | B. SC - III | NCK college | <u>Suraj</u> |
| 12. | Tejas D. Mane | Bsc III | Nck, college | <u>Tejas</u> |
| 13. | Yash Vikas Sutar | B. Sc. III | The New college | Y.V. Sutar |
| 14. | Prathamesh Tanaji Mithaj | B. sc. III | The New college | <u>Prathamesh</u> |
| 15. | suazoop Sanjay Khot | BSC. III | The new college | <u>Suazoop</u> |
| 16. | Yuvraj Sudhakar Polade | B-SC - III | The New college | <u>YJP</u> |
| 17. | Gaurav Ganapati Shelar | B. Sc III | The New college | <u>Gshelar</u> |
| 18. | Sunil Yallappa Dalatakar | B. Sc. III | The New college | S. Y. Dalatakar |
| 19. | Nishal Sunil Khandekar | B. Sc - III | The New College | <u>Nishal</u> |
| 20. | Poonam Siddelu Patil | B. sc - III | VCK | <u>Poonam</u> |



Department of Electronics
Vivekanand College Kolhapur (Autonomous)
And
Department of Electronics New College Kolhapur
As a MoU Activity
One Day Workshop on
"Hands on Training of Arduino"
Attendance **27th feb, 2021**

| Sr. No. | Name of the Student | class | Name of the College | Signature |
|---------|---------------------|-----------|---------------------|---|
| 21. | Gauri Bedagkar | BSc III | VCK |  |
| 22. | Durga Yadav | BSc III | VCK |  |
| 23. | Shrutika Gujar | B.Sc-III | VCK |  |
| 24. | Snehal chougule | B.Sc-III | VCK. |  |
| 25. | Shrumika Ayarekar | B.Sc-III | NCK |  |
| 26. | Gayatri Patil | B.Sc-III | NCK |  |
| 27. | Aishwarya Patil | B.Sc. III | NCK |  |
| 28. | Farheen Banhatti. | B.Sc III | NCK |  |
| 29. | Shraddha Ayarekar | B.Sc III | NCK |  |
| 30. | Arati Ghodake | B.Sc. III | NCK |  |
| 31 | Kutika patil | B.Sc. III | NCK |  |
| 32. | Sneha Kamble. | B.sc-III | NCK |  |
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