



Shri Balasaheb Mane Shikshan Prasarak Mandal's
ASHOKRAO MANE GROUP OF INSTITUTIONS



Vathar Tarf Vadgaon | Kolhapur | Maharashtra

Record No.: AMGOI/ACAD/30

Revision: 00

Date: 01/07/2024

Activity/Event Report

Department: Electronics Club

Academic Year: 2024-2025

Name of Activity: Electronics Club Report



Introduction: Electronics Club is a group of Electronics Enthusiastic, started with the objective of providing a platform for students where they can enhance practical skills and Leadership qualities by applying theoretical knowledge to solve the practical Problems. We believe in coming up with projects that are innovative and tackle real life problems. To achieve these objectives we conduct various workshops, lecture series, practical hands-on sessions, competitions and mentorship programs.

1. Objectives:

- a. **Exposure to Recent Trends:** To expose the students to the latest technological advancements in the field of electronics.
- b. **Modern Tool Usage:** To explain modern electronics concept and provide hands-on training to the students.
- c. **Innovations:** To provide a platform for the students to give a shape to their innovative ideas.
- d. **Develop Leadership Qualities:** To form a discussion boards on latest trends of electronics which indeed improve their leadership qualities and communication skills
- e. **Industry Institute Interaction:** To provide a virtual bridge between the present global industries and the department.

2.. Student Representatives:

Sr. No.	Student Name	Year
1	Mr. Prathamesh Patil	TY
2	Mr. Rohit Ghule	TY
3	Mr. Sunny Kumbhar	TY
4	Ms. Siddhi Sutar	TY
5	Mr. Digvijay Patil	SY
6	Ms. Snehal Patil	TY

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3. Date of Conduction:

The activities were conducted throughout the academic year 2024-25.

4. Name of Coordinator:

The Electronics Club events were coordinated and managed under the guidance of:

- **Prof. Prathmesh S. Powar** – Electronics Club
- **Dr. D. J. Pawar** – HOD, E&TC
- Various faculty and student representatives also played significant roles in event execution.

5. No. of Participants:

More than 200+ students were benefited through the activities of Electronics Club

6. Details of Activities:

a. One Week Hands-on Skilling Program on “Applications of Embedded and IoT Devices” (20th to 27th September 2024)

- **Resource Persons**



- Prof. S. A. Bhosale, Project Coordinator, AMGOI.
- Er. Ruturaj Chougule, Ultra Firetech Systems, Pune. (Alumni, E&TC)

- **Objectives:**

- To develop skills in **Embedded Systems** and **Internet of Things (IoT)** technologies.
- To understand the practical applications of **Arduino** and IoT-based devices in real-world scenarios.

- **Outcome:**

- Students gained knowledge of embedded systems and IoT technologies.
- Participants understood the potential of IoT in solving real-world problems.
- Participants developed the ability to design and implement simple IoT-based projects using Arduino.



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b. One week SDP on “Hands on Learning in Robotics and Automation” (25th to 30th November 2024)

- **Resource Persons:** Mr. Rohit V. Kadam, Managing Director, Robosap Innovations Pvt. Ltd, Nippani, Karnataka
- **Objectives of the Program:**
 - **Understand the fundamentals** of robotics, including the history, types, and components of robots (sensors, actuators, controllers, and power systems).
 - **Learn key principles** of robotics, such as kinematics, dynamics, and control systems.
 - Explore the **different branches of robotics**, including industrial robotics, mobile robotics, autonomous systems, and service robotics
- **Outcomes**
 - Students gained knowledge of fundamentals of Robotics and Hands-On Robotics Building and Assembly.
 - Participants gained the ability of problem solving and critical thinking.
 - Participants developed the ability to design and implement, to innovate, to communicate and explored career opportunities.

7. Outcomes of Activities:

- Hands-on experience with circuits, microcontrollers.
- Connecting with peers, professors, and industry experts.
- Prototyping ideas that could turn into startups.
- Exposure to software toolsthe relationship between students, faculty, and administration through interactive events.

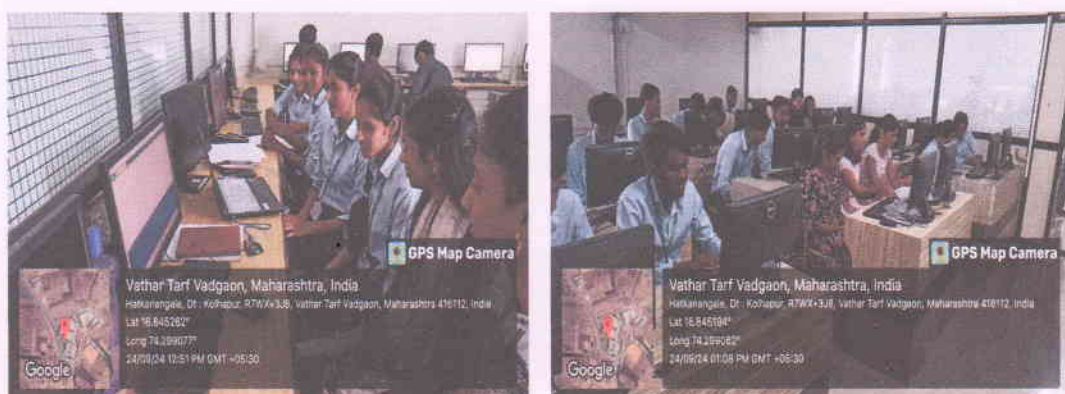
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Record No.: AMGOI/ACAD/30	Revision: 00	Date:01/07/2024	

8. Photos:

Glimpses of Skilling Program on Applications of Embedded and IoT Devices



Inauguration of Program



Hands-on Session



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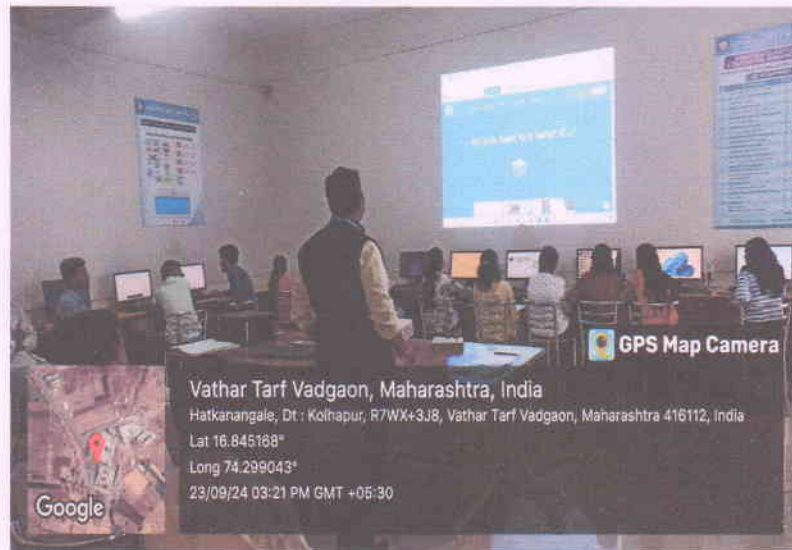


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Demonstration of Tinkercad

Glimpses of Robotics and Automation





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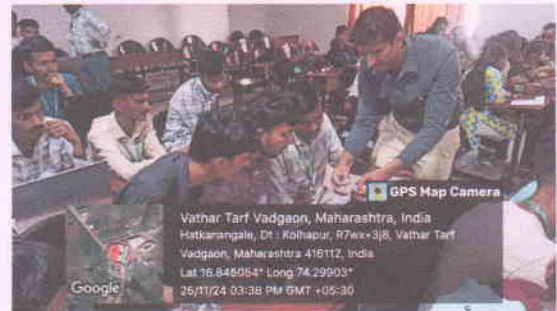


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Hands on Activities


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9. Conclusion:

The Electronics Club at AMGOI successfully conducted various Technical activities, fostering technical skills among students. We extend our gratitude to the **Management, Director Dr. Ajay V. Deshmukh, Vice Principal Prof. P. B. Ghewari, Dean Dr. J. M. Shinde, HOD Dr. D. J. Pawar**, faculty members, and student volunteers for their unwavering support.


 Prof. Sarvajeet A. Bhosale
 Coordinator, Electronics Club




 Dr. D. J. Pawar
 HOD, E&TC
HOD
 Electronics & Telecommunication Engg.
 Ashokrao Mane Group of Institutions
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