

*Rayat Shikshan Sanstha's*  
**Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College**  
**Manchar, Tal. Ambegaon, Dist. Pune 410503**  
**Department of Electronic Science**  
**Annual Report 2024-25**

The B.Sc. Programme in Electronic Science is a core course program offered under the Choice-Based Credit System (CBCS). This curriculum is designed to provide students with a comprehensive understanding of the fundamental concepts and practical applications in the field of electronic science.

Department results for the academic year 2023-24 are as follows:

| Sr. No. | Class | Result |
|---------|-------|--------|
| 1       | FYBSc | 100%   |
| 2       | SYBSc | 100%   |
| 3       | TYBSc | 100%   |

- The dedication and hard work of both faculty and students have contributed significantly to the success of the B.Sc. Programme in Electronic Science. We are committed to maintaining high academic standards and fostering an environment that encourages learning and innovation.

➤ **Student Profile**

The first-year classes for the academic year commenced on July 16, 2024. Currently, the student enrolment distribution is as follows:

- **First Year:** 26 students
- **Second Year:** 11 students
- **Third Year:** 6 students

In total, the department is proud to have 43 students across all three academic years

**Academic Activities Overview**

**1. Field Visit**

A student activity was organized for First Year (FY), Second Year (SY), and Third Year (TY) BSc students. The field visit took place on July 29, 2024, providing participants with practical insights and experiences relevant to their academic studies.

**2. Concept of Mapping**

A focused session on the “Concept of Mapping” was conducted to familiarize students with various mapping techniques and their applications across different disciplines.

**3. Mind Mapping Workshop**

A workshop on “Mind Mapping” was held, aimed at enhancing cognitive processes and encouraging creative brainstorming among students. This interactive session provided valuable tools for organizing thoughts and ideas visually.

#### 4. Group Discussion

Engaging group discussions were facilitated, encouraging students to express their perspectives on relevant academic topics. This activity aimed to promote critical thinking and collaborative learning.

#### 5. Day Seminar on Career Opportunities

The department organised a day seminar titled “Career Opportunities in Information Technologies & Electronics.” This event featured industry experts who shared insights on current trends and career pathways in these fields.

#### 6. Memorandum of Understanding (MoU)

The department is pleased to announce the signing of a Memorandum of Understanding (MoU) with Vigyan Ashram, Pabal, Pune. This collaboration aims to foster academic and research opportunities, enhancing the overall educational experience for our students.

#### 7. Avishkar Competition

From the department, 8 project models are participating. Department-wise projects are evaluated. **Two** projects from the department have been selected for presentation at the Zonal Level of the Avishkar Competition.

Based on the presentation skills, knowledge, and prototype model of the project. Judges selected the motivated with some exciting prizes and certificates.

Additionally, one of these projects has successfully progressed to the University Level.

This achievement reflects the hard work and dedication of our students and faculty.

#### 7. Workshop on AI-Driven Decision Making

A day-long workshop titled “AI-Driven: Smarter Decision Maker” was successfully conducted by Professor (Dr.) Abhijit Tarawade from Inha University, Tashkent, Uzbekistan. This workshop provided participants with insights into the application of artificial intelligence in decision-making processes.

#### 8. International Conference

The Department of Electronic Science is pleased to announce the organisation of a one-day international conference titled "**Recent Advancements in Energy Harvesting & Applications**" (RAEHA-2025).

This conference aims to bring together researchers, practitioners, and industry experts to discuss the latest developments, trends, and applications in the field of energy harvesting. Participants will have the opportunity to share insights, present their research findings, and engage in discussions that foster collaboration and innovation.

#### 9. Book Chapter published

| Sr. No. | Name of Teacher | No of Book Chapters |
|---------|-----------------|---------------------|
| 1       | Ms. A M Dange   | 7                   |
| 2       | Ms. J B Khilari | 6                   |
| Total   |                 | 13                  |

## Department Glimpse



*Avishkar Participation at Zonal Level*



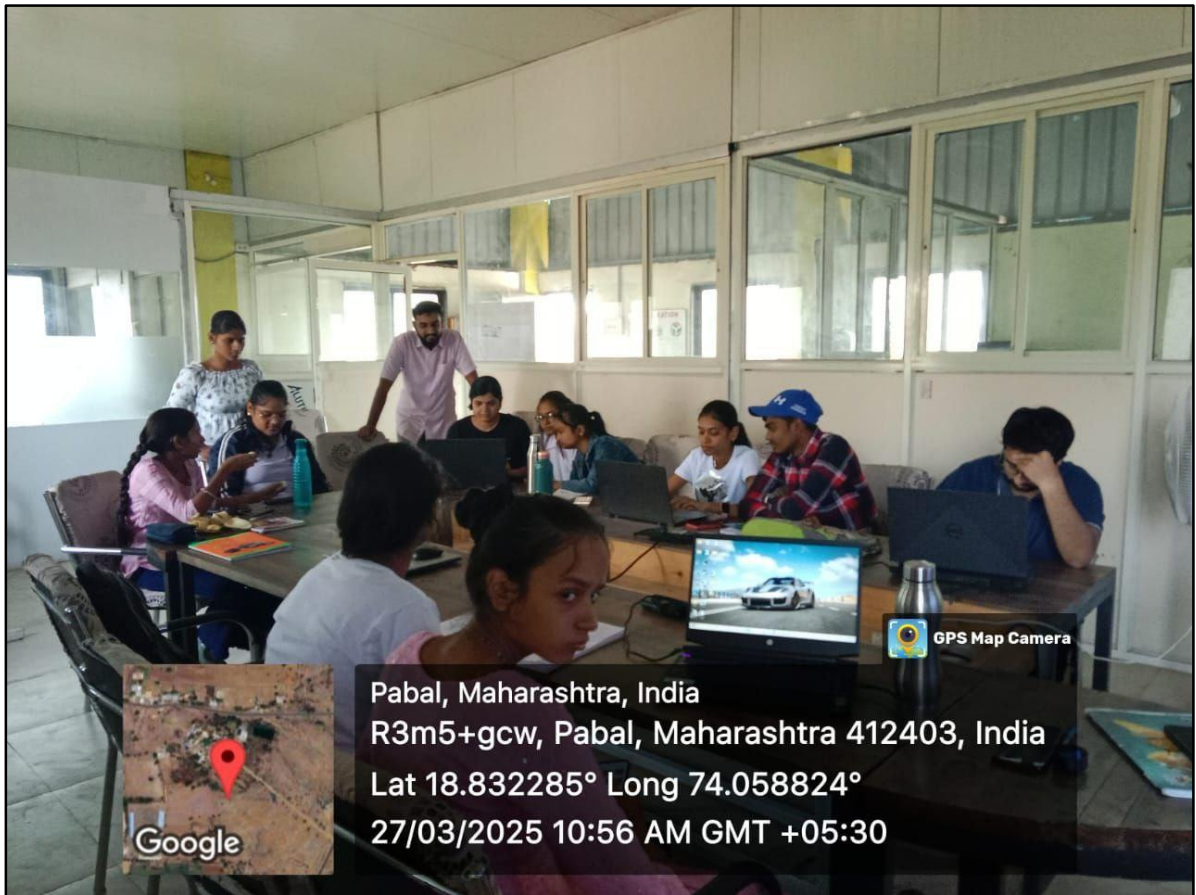
*Concept Mapping Activity*



***Study Tour at Department of Electronic Science, Shivaji University, Kolhapur***



***Study Tour at Radha Nagari Dam Electricity Production***



*Girls Participation in the Advanced Makeathon Activity at Vigyan Ashram, Pabal*



*[Signature]*  
**Head**  
**Dept. of Electronics Science**  
A. A. College, Manchar



***Girls' Participation in the Advanced Makeathon Activity at Vigyan Ashram, Pabal***



### *Virtual Lab Workshop*



R3M5+GCW, Pabal, Malwadi Agarkarwadi, Maharashtra 412403, India

Latitude  
18.83276281°

Longitude  
74.05891208°

Local 03:01:27 PM  
GMT 09:31:27 AM

Altitude 681 meters  
Thursday, 16.01.2025

Note : Vigyan Ashram MoU 2025  
Captured by GPS Ms. Afroj M Dange

***MoU Signed at the Vigyan Ashram, Pabal, Pune***



***DOES Girls students participate at the Makeathon Camp at Vigyan Ashram, Pabal***



*Inauguration of International Conference RAEHA-2025*



*Participation in the International Conference RAEHA-2025*

