

# Department of Electronic Science

- **About the Department:**

Department of Electronics was established in 1986, to offer skill based training which will help students to gain good knowledge about Electronics. Department runs Electronic Science course, affiliated to Savitribai Phule Pune University. University has granted 25 seats for this subject. In natural course the Department of Electronics became full fledged by 1989. This Department has well equipped laboratory i.e, instruments, furnitures, computers,departmental library with 3 staff members which fulfills the University requirement as per syllabus.

This Department has completed more than 300 projects based on Microprocessor and 8051 Microcontroller System ,Arduino, MATLAB,C Graphics ,Circuit Simulation using Pspice, Robotics, and Various Sensors are made available to understand hardware as well as software fundamentals required for interfacing applications.

The Department has duly qualified ,well experienced and efficient teaching staff who encourage students throughout their learning process and in developing their skills.Being a technical course many pass out students of our Department got good opportunities in renowned Companies,Industries,Banking,Railway and other government agencies as well as private sectors.

- **Our Objectives:**

To provide the necessary theoretical background and practical experience in order to meet the requirements of Industries..

To produce electronic professionals who can be directly employed or start his/her own work as Electronic circuit Designer, Electronics consultant, Testing professional, Service engineer and an Entrepreneur in electronic industry.

To train students to a level where they can readily compete for seats of advanced degree courses like M.Sc. (Electronics),MCA and MBA etc.

- **Staff Details:**



**Name :-** Mr.Rajesh Kantilal Patni

**Designation:-** Assistant Professor(H.O.D)

**Qualification:-** M.Sc.,B.Ed.

**Email ID:-** patnirajesh1@gmail.com

**Contact No.:-** 9890591565

**Experience in Years:**28 Years

**Expertise Domain:** Analog Circuit Design,Power Electronics,Optical Fiber Communication.



**Name:-** Miss.DharmadhikariAparna Anil

**Designation:-** Assistant Professor

**Qualification:-** M.Sc.,NET

**Email ID:-** aparnad66@gmail.com

**Contact No.:-** 9561844419

**Experience in Years:**09 Years

**Expertise Domain:** Semiconductors,Foundation of Nanoelectronics,Digital System Design,Microcontrollers



**Name :-**Miss.Jyoti Rajan Singh

**Designation:-** Lecturer

**Qualification:-** M.Sc.

**Email ID:-** jyotisingh21053@gmail.com

**Contact No.:-**9075211358

**Experience in Years:**03 Years

**Expertise Domain:** Microcontrollers, Industrial Automation, MATLAB, Analog and Digital DeviceApplications,Verilog HDL

- **Departmental Initiatives for Quality Sustenance and Enhancement:**

Group Discussion

Remedial Teaching

Session for PCB Designing

Design and Simulation of Electronic Circuits

Seminars on Electronics Projects.

**Course Details:**

Sr.No.	Programme	Programme Details	Duration
1.	B.Sc(Electronic Science)	CBCS and Semester System	3 Years

**SWOC Analysis of Department:**

- **Strengths:**

Trend of 100% Result

Rank Holders of Department at Savitribai Phule Pune University

Well Equipped Laboratories

Team Spirit

Qualified Staff

Interactive Alumni

Free and Full Access of Laboratory and Departmental Library for Final Year Students.

Induced Work Culture among students through seminar,practical and project work.

Personal attention and counseling for students.

- **Weaknesses:**

Less Number of Admissions

No Linkage with Industry or Job Providing Agencies

Insufficient Space Availability of Department

- **Opportunities:**

To train students for Embedded System Design , Sensor Applications and Internet of things (IoT) using Arduino, Raspberry pi

- **Challenges:**

To Provide Linkage with Industry.

To Increase the Student Intake for the Course

- **Future Plan:**

To run the short term certificate courses like Internet of Things,Robotics,Automation,Wireless Sensor Network, computer networking,Digital System Design for e-vehicles.

Initiate Post Graduation Course in Electronic Science

To motivate Faculty members for research.