

# Pradnya Pathakji

31-B, Renukadham, Senadatta Peth, Pune-411030 (India)

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## Assistant Professor in Electronics

### Chief Motive

- To work as faculty in Electronics & Deliver the best knowledge to the students.

### Educational Qualifications

10<sup>th</sup> Passed with Distinction in June 1994 from SSC Board Pune with 87% Aggr.

12<sup>th</sup> Passed with Distinction in June 1996 from HSC Board Pune with 78% Aggr.

Graduation B.Sc.(Electronic Science) from Fergusson College, Pune University in June 1999 with 72% Aggr.

Post Graduation M.Sc. (Electronic Science) from Pune University in June 2001 with 72% Aggr.

SET State Eligibility Test - Passed in August 2004

### Accomplishments

Total Experience: 19.5 years

- Recently working as Assistant Professor in Electronics at Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 16.
- Working as NAAC-Criterion-I-In charge, Nodal Officer for NIRF (National Institutional Ranking Framework) India Ranking , Chairperson of Time Table Committee for college.
- Worked in several committees like Examination, Seminar & Workshop, Quiz, Time table & Lecture monitoring, Planning & Implementation committee at administration & organizational level.

### Work experience (Starting from Recent)

1. Working as Assistant Professor in Electronics at Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 16 from January 17, 2012 till date.
  - Subjects taught: Principles of Analog Electronics, Principles of Digital Electronics, Digital System hardware, Digital System Design, Computer organization, Microprocessor, Process Control Instrumentation, Communication Principles, 8051 Microcontroller & Embedded Systems, Semiconductor Devices and Basic Electronic Systems, Instrumentation Systems,
  - Conducting Practicals for the same.

2. Worked with Sinhgad College of Science as an In-Charge of Department of Electronics & Physics and Lecturer in Electronics.
  - Duration- From July 2002 to July 2012
  - Subjects taught: Linear Electronics, Digital Electronics, computer organization, Microprocessor, Process Control Instrumentation, Communication Principals, 8051 Microcontroller & Embedded Systems.
  - Conducting practical's for above subjects.
  
3. Worked as Lecturer in Electronics in S.P. College, Pune-30
  - Duration- From July 2002 to July 2012
  - Subjects taught: Linear Electronics.
  - Conducting practical's for above subject.

### **Academic Projects**

#### Project @ M.Sc.

|                |  |
|----------------|--|
| Project Name   | Production Planning System.  |
| Duration       | 6 months as a part of M.Sc. Electronics course.  |
| Softwares used | HTML 4.0 , A.S.P. 3.0 and Crystal report.  |
| Role           | Programmer & System Analyst.   |
| Description    | The existing Production Planning System in Foxpro was required to change the platform and modify it. The previous system was studied at the time of Industrial training. The requirement of the project was to develop the system which can be put on the web so the project was developed using Active server Pages. The project has three parts- a. Data entry b. Purchase and c. Stock & Reports. |

#### Project @ M.Sc.

|              |   |
|--------------|---|
| Project Name | Development of MODEM  |
| Duration     | 3 months as a part of M.Sc. Electronics course.                                     |
| Description  | Modulator & demodulator circuit was build using "Frequency shift Keying" technique. |

#### Project @ B.Sc.

|              |   |
|--------------|---|
| Project Name | Analog Multiplier Divider.                      |
| Duration     | 4 months as a part of B.Sc. Electronics course. |

Description                      Using operational amplifier as Logarithmic amplifier, multiplication & division of voltage levels was achieved.

### **Certification**

- Certificate course in C & C++ from I.M.L.D. Pune
- Completed Refresher course in Physics (Electronics Science) conducted at Department of Electronic Science on “Biomedical Instrumentation” with A Grade in Oct-2006.
- Attended Refresher course in Electronics Science conducted at Department of Electronic Science on “DSP & Embedded systems” with A Grade in Apr-2009.
- Attended short term course in Embedded system design using Microcontroller at Department of Instrumentation Science in Jan-2008.
- Presented paper in National conf. on ‘Emerging trends in Electronics & Computer Science’ at D.Y. Patil college Pimpri on 9<sup>th</sup> Feb 2010.
- Completed General Orientation Course at Savitribai Phule Pune University Pune-7 with A Grade in September 2017.
- Published online a paper in American Institute of Physics (AIP) Conference Proceedings 2335, 090001 (2021) on 10 March 2021.
- Successfully completed Certificate course in Research Methodology and Publication Ethics with A+ grade conducted by the Department of Electronics , Abasaheb Garware College, Karvenagar ,Pune.

### **Software Familiarity:-**

Operating systems- Windows 95, 98 & DOS

Utility softwares- MS Office 2000 (Word, Excel, Power Point)

Programming Languages :-‘C’,’C++’,Assembly language

Front End Tools:-Visual basic 6.0

Web Development Tools:- HTML 4.0 ,A.S.P.3.0

Back End Tools:-Oracle 8.0 & MS Access 2000

Simulation Tools:-MATLAB,PSPICE,DiLux 4.12

### **Improving Qualifications:-**

Currently registered for Ph.D. Program at MES.Abasaheb Garware College Research Centre under the guidance of Dr.P.B.Buchade and Dr.A.D.Shaligram.

### **Personal Details:**

- Date of Birth :December 22,1978
- Blood Group :A “+”ve
- Marital Status: Married
- Language Known:-Marathi,Hindi,English.

- Family Background:-Husband is working as Quality Manager in KPIT,Hinjewadi,Pune,  
Daughter studying in Secondary school,Father-in-law; retired  
Govt.employee and Mother-in-law; housewife.

**References:-**

- **Dr.A.D.Shaligram** –Dean, Science and Technology,  
Head, Department of Electronic Science,  
Savitribai Phule Pune University,Pune-07.
- **Dr.Sanjay Kharat** – Principal  
Modern College of Arts, Science and Commerce, Ganeshkhind,  
Pune-16.

Mrs.Pradnya Pathakji