

**APARNA RAJESH LOKHANDE (HARALE)****Present Address:**

A-207, Phase III, Platina, Grand View 7,  
Ambegao Bk, Near Podar International School,  
Pune, MH INDIA.

**Phone:** 9987957794/ 8830476662

**E-mail:** [aparna.harale@gmail.com](mailto:aparna.harale@gmail.com)

**Permanent Address:**

D/O Madhavrao Harale,  
Survey No 112/10, Harale Niwas  
Shivnagar, Sutarwadi,  
Pashan, Pune – 411021,  
MH INDIA.

**EDUCATION**

Degree & Branch	Institute / University	Year	Percentage
<b>Ph.D</b>	AISSMS IOIT SPPU Pune	Jan 2018-In Progress	-
<b>M.TECH (Electronics - VLSI)</b>	Bharati Vidyapeeth Deemed University, Pune.	Jan 2014	9.30 Out Of 10 (CGPA).
<b>PG DAC</b>	Sunbeam Institute – CDAC, Pune.	Jan-2013	61.76
<b>B.E (Electronics and Telecommunication)</b>	Cummins college of Engineering for women, Pune.	2006-10	58.73
<b>12<sup>th</sup> Class</b>	Bharat English school, Pune / HSC Board	2005-06	61.33
<b>10<sup>th</sup> Class</b>	Vidyapeeth high school, Pune / SSC Board	2003-04	62.40

**WORK EXPERIENCE (Total 8 Years)**

Post	Teaching/ Industry experience	Year	Experience in Months
<b>Assistant Professor</b>	SKN COE, Pune	17 July 2023-Till date	In process
<b>Assistant Professor</b>	Navsahyadri Education's Group of Institutes	28 Sep 2022 – 14 June 2023	10 Months
<b>Assistant Professor</b>	Shri Chhatrapati Shivajiraje College of Engineering	19 July 2019 – 08 July 2021	2 Years
<b>Assistant Professor</b>	Flora Institute Of Technology Khopi	1 Sep 2016 – 17 June 2019	3 Years
<b>Assistant Professor</b>	Parvatibai Genba Moze College Of Engineering Wagholi Pune.	01 March 2015– 06 May 2016	1.3 years
<b>Visiting Faculty in E&amp;TC Department</b>	Bharti Vidhyapeeth College of Engineering Pune	01 July 2011- 31 Dec 2011	6 months
<b>Engineer</b>	Surekha Electronics Pvt. Ltd. Pune	26 Nov 2010 – 31 May 2011	6 months

**PAPER PUBLICATIONS**

**Total: 10**

**International journal: 06**

**International conference: 03**

**National Conference: 01**

- Springer Conference-** Research paper titled “An Empirical Analysis of Lung Cancer detection and classification using CT images”, in **6th International Conference on Soft Computing And Signal Processing (ICSCSP-2023)** organized by Malla Reddy College of Engineering & Technology, Hyderabad, India, paper ID: 033, Presented on 23<sup>th</sup>- 24th June 2023.
- Scopus International Journal-** Research paper titled “Computer-Aided Detection (CAD) system for detection and classification of Pulmonary Nodules in Lung Cancer using CT images”, Seventh Sense Research Group - International Journal of Engineering Trends

**and Technology (IJETT)**, Volume 71 Issue 1, 31-40, January 2023, DOI: <https://doi.org/10.14445/22315381/IJETT-V71I1P204>.

3. **Scopus International Conference-** Research paper titled “**Detection of Lung Cancer Pulmonary Nodules Using Computer Aided Detection System**”, in **6th International Conference on Computing, Communication, Control and Automation (ICCUBEA-2022)** organized by PCCOE Pune, paper ID: 57, Presented on 26<sup>th</sup>- 27 August 2022.
4. **UGC Journal-** Survey Research paper titled “**Computer Aided Detection of Lung Cancer Pulmonary Nodules from CT Images: A Recent Survey**” in **International Journal of Advanced Information Science and Technology (IJAIST)** ISSN: 2319:2682 in Vol.6, No.6, June 2017 DOI:10.15693/ijaist/2017.v6i6.20-32
5. **International Journal-** Research paper titled “**Smart Vehicle with Speed Lock System in Accident Prone Area**” in **International Engineering Research Journal (IERJ)** in Volume 2 Issue No.2 Pages 494-497 April 2016.
6. **International Journal-** Research paper titled “**Removal of Impulse Noise and Analyze Performance of Median Filter and Center Weighted Median Filter**” (Paper ID – IJ16788) in **(International Journal of Engineering Science and Computing IJESC)** in Volume 6 Issue No.3 March 2016.
7. **International Journal -** Research paper titled “**A PAPR Reduction of OFDM Signal by using Nonlinear Companding Transform**” (Paper ID – IJ16787) in **(International Journal of Engineering Science and Computing IJESC)** in Volume 6 Issue No.3 March 2016.
8. **International conference -In ICCSIT** (International conference on Computer Science and Information Technology) – 2013, Goa titled “**Embedded implementation of Median Filter and Center Weighted Median Filter analysis**” (ID – CSIT-05MAY13-064)
9. **International Journal-** Research paper titled “**Analyze performance of Median Filter and Center Weighted Median Filter for efficient removal of Impulse noise using ARM**” (Paper ID – D1530042413) in **IJEAT** (International journal of Engineering and Advanced Technology) in volume – 2 Issue 4 April 2013.
10. **National Conference-** Presented in **NACIC – 2013** (National Conference on Instrumentation and Communication Engineering) titled “**ARM Based Implementation of Median Filter and Centre Weighted Median Filter for Efficient Removal Impulse Noise and Gets Its Performance Analysis**” at Bharti Vidhyapeeth, college of Engineering Pune.

#### **WORKSHOPS/ SEMINARS**

- Attended the Workshop on “**Intellectual Property Rights**” organized by AISSMS IOIT Pune Dated on 15<sup>th</sup> March 2018.
- Attended the STTP on “**Image processing and Machine Learning in Bio-metrics and Health-care**” organized by PCCOE Pune Dated on 8<sup>th</sup> March 2018.
- Attended the FDP on “**Wavelet Application in Signal and Image processing**” organized by AISSMS IOIT Pune Dated on 18<sup>th</sup> and 19<sup>th</sup> January 2018.
- Attended the Orientation Lecture on “**AVISHKAR 2017**” in AISSMS IOIT Pune Dated on 27<sup>th</sup> September 2017.

#### **SCHOLASTIC ACHIEVEMENTS**

- Participated in FORSAKEN Project exhibition competition held at ‘Bharati Vidhyapeeth College of Engineering, Pune’ in 2012.
- Secured 1<sup>st</sup> Prize in project competition held at ‘Modern college of Engineering, Pune’ in 2007.
- Secured 2<sup>nd</sup> Prize in project competition held at ‘Pune institute of computer technology (PICT), Pune’ in 2007.

#### **ACADEMIC PROJECTS**

**M-TECH Project: (June’12 to July’13)**

**Title: “ARM Based Implementation of Median Filter and Centre Weighted Median Filter for Efficient Removal of Impulse Noise and Gets Its Performance Analysis”**

This System based on Median filters for the removal of Salt and Pepper noise by filtering in gray level images for the removal of impulse noise. System preserves the edges and fine details during filtering. This method is implemented by using ARM.

**Objective:** To develop a median filter and Center weighted median Filter system with the use of ARM and MATLAB.

**B.E. Project: (July'09 to June'10)**

**Title: "Wireless city bus tracking system"**

This kind of system can be used to track and display the arrival time of the buses at the bus stops. The tracking information is send to the master, where VB MAP and database containing all the information of busses, bus stops, date and time is present.

People standing on bus stops can request for bus information with the help of keyboard. The LCD then will display the corresponding bus information.

**Objective:**

- To develop a wireless city bus tracking system with the use of Microcontroller and Visual Basic (6.0)
- To be able to easily access this system by the traveler at any bus stop to know the arrival and departure schedule of the bus.

**My role: Electronic Design**

The required objectives were met for this system and were tested as dummy system.

**PG-DAC Project: (Feb 2013)**

**Title: "Online Bank Management System"**

The E banking application provide functionality for fund transfer, request for DD, Cheque Book request, Edit some details of their account. Application provide proper authentication.

**Objective:**

To develop project we use Struts2, Hibernate

**My role:** I contributed in designing the User interface and Database Design.

**Mini Project: (2008-09)**

**Title: "Black line follower robot with object detector",**

This mini project was the part of the curriculum in our Third year of engineering. As the name suggests the robot was built and programmed to track the black line on the ground. There are various applications of these kinds of robots for the material handling of various raw as well as finished goods in the industries without the manual assistance. This robot has an added feature of detecting the uncertain obstacles/objects that could come in its path while in operation. With this feature it has been programmed to stop till the obstacles/objects in the path are not removed, thereby reducing the accidental incidents.

**SUBJECT TAUGHT IN UG**

- |                               |                              |
|-------------------------------|------------------------------|
| • Digital Electronics         | • Principal of Communication |
| • Microcontroller Application | • Basic Electronics          |
| • Audio Video Engineering     | • Basic Electrical           |

**COMPUTER SKILLS (HARDWARE/SOFTWARE)**

**Languages & Skills:** C, C++, Database Technology, J2SE, J2EE, .NET and XML

**Operating Systems:** Windows 9x/2000/XP, Linux

**Software:** Microsoft Word, Power Point and Excel

**HOBBIES**

- Reading, Drawing, Travelling, Listening music.

**PERSONEL DETAILS:**

Date of birth: 29<sup>th</sup> November 1988

Marital status: Married

I hereby declare that the above mentioned details are true to the best of my knowledge.

Place: Pune

Date

(Signature)

Aparna Rajesh Lokhande (Harale)