

## Curriculum Vitae

**Name:**Ms. Roopali Bhaskar Palwe



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**Date of Birth:** 12<sup>th</sup> June 1981

### Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
Ph.D.	E&TC	D.Y. Patil, Akurdi ,Pune	SPU, Pune University	2020- 21	Pursuing	
M.E./ M. Tech.	ME( EC)	Govt. College Auranagabad	Dr. BAMU, Aurangabad	2011	8.7 CGPA	<i>Distinction</i>
B.E./B.Tech.	BE (IE)	S.S.G.B.C.O.E.T . Bhusawal	NMU, Jalgoan	2005	64.83%	First Class

### M. Tech. Project:

An Intelligent Air Conditioner Controller by Using AD $\mu$ C 832

### Key Research Areas:

- Embedded Systems
- Internet of Things
- Communication Systems

### Experience

Sr. No.	Organization	Post	From	To	No. of Years
1	G.S. Mandal's , Maharashtra Institute of Technology, Aurangabad	Assistant Professor	29 <sup>th</sup> June 2009	Till date	11 years
2	PES College of Engineering Aurangabad	Lecturer	6 <sup>th</sup> March 2007 to 28 <sup>th</sup> June 2009		2years and 5 month

3	Hi-Tech Institute of Engineering, Aurangabad	Lecturer	January 2006 to 5 <sup>th</sup> March – 2007	1 year and 1 month
4	Hindi Seva Mandal's , Shri Sant Gadge Baba College of Engineering & Technology in North Maharashtra University Bhusawal	Lecturer	5 <sup>th</sup> Aug. 2005 to 26 <sup>th</sup> January 2006	5 month

### List of Courses Taught/Teaching at UG level :

- Internet of Things
- Object Oriented Programming using C++
- Basic Electronics
- Basic Electrical
- Wireless and Mobile Communication
- Analog Communication
- Communication Engineering
- Principle of Communication Engineering
- Digital Signal Processing
- Electronic Measurement
- Signals and Systems
- Remote Sensing and Telemetry
- Electronic Devices and Circuits
- Components Devices and Printed Circuit Boards

### Additional Assignments/Duties

- Working as a Departmental Time Table coordinator
- Working as a Lab In-charge of Electrical Drives Lab
- Working as a Lab In-charge of Machine Lab.
- Worked as a Lab In-charge of Basic Electronics Lab.
- Worked as a member of ICC committee.
- Worked as a Practical Exam Coordinator of Department.
- Worked as a IPT co-ordinator for ICE Department.
- Worked as a Module Co-ordinator in NBA Process at Department.
- Worked as a Lab In-charge of Communication System-II Lab
- Worked as a Lab In-charge of SDC Lab.

### **Membership of Professional Bodies**

Life Member of IETE (LM107487)

IEEE Member (97871814)

### **Research Projects/Projects Guided**

- IoT Based Door Lock System
- IoT Based Smart Trolley
- Solar Panel Monitoring System
- Railway Track Cleaner

### **Computer/Software Proficiency**

- Arduino Programming
- MATLAB
- Visual Basic
- C++, C

### **Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference Attended**

- AICTE STTP on “**Electric Vehicle Evolution-Impact on Power Grid**”, organized by Department of Electrical and Electronics Engineering of Sri Venkateswara College of Engineering, Tamil Nadu.
- Workshop on “**Research Metrics**”, organized by **Center for Publication Ethics of SPU Pune university** on 4<sup>th</sup> May 2021
- Workshop on “**OBE Concepts & Implementation and Digital Preparedness for NBA** ”, Organized by IQAC on 29<sup>th</sup> May 2021 of **Maharashtra Institute of Technology, Aurangabad**
- Refresher-1 AICTE Online Workshop on “**Inculcating Universal Human Values in Technical Education**”, organized by **All India Council for Technical Education(AICTE)**.
- AICTE Online Workshop on “**Inculcating Universal Human Values in Technical Education**”, organized by **All India Council for Technical Education(AICTE)**.
- FDP on “**Effective use of ICT tools in online platform**”, organized by IQAC & ETC of **MIT BTech. Aurangabad. Developed and conducted by Pharmacy Department, polytechnic, Jalgaon.**

- Workshop on “**Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020)**” organized by Government College of Engineering, Karad, 26<sup>th</sup> May to 30 May, 2020.
- Faculty Development Programme on “**Modeling and Simulation using MATLAB**” organized by NITTTR, Chandigarh, 18<sup>th</sup> May 2020 to 22<sup>nd</sup> May 2020.
- Faculty Development Programme on “**NBA Accreditation of Engineering Programs**” organized by Mechanical Engineering Department NITTTR, Chandigarh, 11<sup>th</sup> May 2020 to 15<sup>th</sup> May 2020 (One Week)
- Faculty Development Programme (FDP) on “**Teaching and Learning for Accrediation in Technical Education**” organized by NITTTR, Chandigarh, 27<sup>th</sup> April 2020 to 1<sup>st</sup> May 2020.
- Faculty Development Programme (FDP) on “**Data Science**” jointly organized with Shivaji University, Kolhapur from 24<sup>th</sup> June 2019 to 30<sup>th</sup> June 2019 at MIT, Aurangabad.
- Workshop on “**Recent Trends in Electromagnetics, RF and Radar signal Processing**”.
- Work shop on “**Programming of C++**”
- Workshop on “**Aspect of MATLAB Tools in Communication, control and signal Processing with Simulink**” organized by ETC Department MGM’s JNEC Aurangabad , 28<sup>th</sup> Nov to 3<sup>rd</sup> Dec 2016.
- Work shop on “**Research Methodology**” organized by PES College Aurangabad 20<sup>th</sup> August 2016.
- Work shop on “**Exploring the world of Electromagnetics** ” organized by ETC Department ICEEM Aurangabad 16<sup>th</sup> to 17<sup>th</sup> Jan 2015.
- Work shop on “**Robotics and Automation** ” organized by PES College Aurangabad 15<sup>th</sup> to 19<sup>th</sup> June 2015.
- Work shop on “**Faculty Induction Program** ”organized by Electrical and Electronics Engineering , MIT Aurangabad 9<sup>th</sup> and 11<sup>th</sup> Jan 2012 .
- Work shop on “**Effective Research Methodology**” organized by MIT(E) Aurangabad 7<sup>th</sup> Feb 2010.
- Work shop on “**Digital Image Processing Using MATLAB**” organized by MIT Aurangabad 15<sup>th</sup> to 19<sup>th</sup> June 2010.
- Work shop on “**Satellite Communication**” organized by Institute of Satellite Communication in Collaboration with Satellite Corporation 29<sup>th</sup> Dec 2007.

### Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference organized

- Worked as a Coordinator for Faculty Development Programme (FDP) in “Data Science” jointly organized with Shivaji University, Kolhapur from 24<sup>th</sup> June 2019 to 29<sup>th</sup> June 2019 at MIT, Aurangabad.
- Organized a workshop of 60 hours on “C++ Programming” for SY(ETC) Students, 2017-18
- AEMC-IEEE Applied Electromagnetics Conference (AEMC-2017) IN ASSOCIATION WITH Kolkata Chapter and it is scheduled to be held during 19<sup>th</sup> Dec to 22<sup>nd</sup> 2017 at Hotel Rama International, Aurangabad, India.
- International Conference on Digital Signal & Image Processing(ICoDSIP-2017) | 7<sup>th</sup> to 8<sup>th</sup> March, 2017 | Aurangabad, India.
- National Level Two days Workshop on Research Methodology,2014-15
- National Level Workshop on Digital Image Processing, 15<sup>th</sup> to 19<sup>th</sup> June 2010.

### List of Research Publications

- Ms. R. B. Palwe, Miss. N. R. Kolhare, Mr. S. G. Nagargoje , “**An Intelligent Air Conditioner Controller**” *ISSN No.: 2249-7455, Vol I, Issue 6(VIII), March 2012.*

### Papers in National/ International Journal

- Miss. Ashwini Rathod , Mrs Roopali Nagargoje , “GSM in Mobile Communication” *,NCSEC, Feb-2008.*

### Papers in National /International Conference Proceedings

- Ms. R. B. Palwe, Miss. N. R. Kolhare, Mr. S. G. Nagargoje , “An Intelligent Air Conditioner Controller” *ISSN No.: 2249-7455, Vol I, Issue 6(VIII), March 2012.*
- Miss. Ashwini Rathod , Mrs Roopali Nagargoje , “GSM in Mobile Communication” *,NCSEC, Feb-2008.*

### NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
Jan 2019	April 2019	12 Weeks	Introduction to Internet of Things	98%	Elite Gold
Jan 2020	April 2020	12 Weeks	Industrial Automation and Control	49%	Completed Successfully
Jan 2020	April 2020	12 Weeks	NBA Accreditation and Teaching - Learning in Engineering (NATE)	73%	Successfully Completed with Elite

## Awards, Achievements and Recognition

- Elite Gold Certificate in NPTEL course “Introduction to Internet of Things”

Date: 18<sup>th</sup> July 2021

Place: Aurangabad