

## RESUME

**Dr. Poonam Swapnil Jadhav (Ph.D, M.Sc Electronics, NET, SET)**

**Permanent Address**

Near Biroba Mandir, A/P:-Shiroli (Pulachi)  
Tal:-Hatkanangale, Dist:-Kolhapur  
State: Maharashtra, India  
PIN:-416122



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**Cell no: - 9960475592**

**Objective:**

Seeking a challenging and growth oriented position in a progressive organization with a supportive environment, which encourage and provide opportunities for enriching my knowledge and to work for the betterment of the organization and my career as well.

**Personal Information:**

Name : **Dr. Poonam Swapnil Jadhav**  
Date of birth : 16 Nov 1986  
Sex : Female  
Nationality : Indian  
Languages known : English, Hindi Marathi  
Strength : Management & Analytical Skill, Hardworking.

**Academic Experience**

- **Teaching Experience:11 Years (Subject: Electronics)**
- 4 years  
Vivekanand College Kolhapur (Autonomous)  
Class: B.Sc.
- 7 years  
D. Y. Patil Junior College, Kadamwadi, Kolhapur.

<b>Educational Qualification:</b>				
<b>Qualification</b>	<b>University/Board</b>	<b>Percentage of Marks</b>	<b>Class</b>	<b>Year of Passing</b>
<b>Ph.D</b>	Shivaji University. Kolhapur Guide: Prof. Dr. R. R. Mudholkar	Awarded	-----	2020
<b>NET</b>	University Grants Commission (National Educational Testing Bureau).	-----	-----	2013
<b>SET</b>	Savitribai Phule Pune University	-----	-----	2014
<b>M.Sc (Electronics)</b>	Shivaji University. Kolhapur	80.54	First Class With Distinction	2009
<b>B.Sc (Electronics )</b>	Shivaji University. Kolhapur	80.36	First Class With Distinction	2007
<b>H.S.C</b>	Divisional Board, Kolhapur	79.33	First Class With Distinction	2004
<b>S.S.C.</b>	Divisional Board, Kolhapur	81.33	First Class With Distinction	2002

#### Member

Member of the Board of Studies Committee of Electronics Department in Vivekanand College Kolhapur (Autonomous)

#### Project Details

<b>Ph.D</b>	<b>FPGA Based Fuzzy Logic Spindle Temperature Compensation</b> To design and implement the Real Time Fuzzy Logically Controlled Cooling System for Thermal Compensation of High Speed Precision Machine. <b>Project Guide:</b> Dr. R. R. Mudholkar
<b>M.Sc</b>	<b>Weathermon System</b> To measure a weather parameters temperature and humidity and make data storage system by using ATMEGA 32 microcontroller, which are required at the most of the times in industries, weather stations to know about the weather. <b>Project Guide:</b> Dr. S. R. Sawant
<b>B. Sc</b>	<b>School College Quiz Buzzer</b> To detect first respondent. Detects the first respondent immediately after pressing the buzzer.

	<b>Project Guide:</b> Dr. V. C. Mahajan
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**Awards and rewards :**

- Worked as **Junior Research Fellow** for two years on **UGC-MRP** entitled as “Studies on Fuzzy Logic Thermal Compensation Technique for High Speed Precision Machine” at Department of Electronics, Shivaji University, Kolhapur.
- **Late Shantaram Narayan Waingankar Paritoshik** for securing highest marks in M.Sc Electronics 2008-2009, conferred by Shivaji University, Kolhapur.
- Active Participation in National science day programs.
- Participation in “AVISHKAR 08-09” (research competition initiated by His Excellency Chancellor of Maharashtra to inculcate research culture in academics).
- **Secured Seventh Rank in B. Sc. III Electronics Examination of April 2007**, conducted by Shivaji University, Kolhapur.
  - Secured **Second Prize in One Day UGC-CPE Sponsored National Conference** on “Innovative Trends in Electronics and Allied Technology (ITEAT 2017)” organized by Department of Electronics and Computer Science, Yashwantrao Chavan Institute of Science, Satara in February 2017.
  - Secured **Third Prize in One Day International Conference** On “Recent Trends in Science and Technology” Organized by Willingdon College, Sangli on 29<sup>Th</sup> June 2022.

<b>Additional Qualifications</b>	<ul style="list-style-type: none"> <li>• Completed “<b>Certificate Course in C Programming</b>” with A grade in February-March 2007 in Login Computer Academy, Tarabai Park, Kolhapur.</li> <li>• Completed <b>MSCIT</b> in October 2006, conducted by MSBTE and MKCL, Mumbai.</li> </ul>
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<b>Publications</b>	<ol style="list-style-type: none"> <li>1. Poonam S. Patil, S. R. Sawant, R.R. Mudholkar, “AVR Micro-Controller Based Embedded Weather Monitoring System , International Journal for Research in Applied Science &amp; Engineering Technology (IJRASET). Volume 4 Issue VII, 2016.pp:245-250.</li> <li>2. Poonam S. Patil, R. R. Mudholkar, “Cooling Techniques for a spindle of Machine Tool”, International Journal of Engineering and Computer Science, Vol: 5(12), 2016,pp-19653-19656.</li> <li>3. Poonam S. Patil, R. R. Mudholkar, “Thermal Error Modeling in a Machine Tool” International Journal of Engineering Science and Technology. Vol:9(5), 2017, pp:344-352</li> <li>4. Poonam S. Patil, R. K. Kamat, R. R. Mudholkar, “TF Estimation and Thermal</li> </ol>
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	<p>Behavioral Analysis of spindle cooler System Prototype” Research Journal of Engineering and Technology, Vol:9(1),2018, pp:37-44.</p> <p>5. Poonam S. Jadhav, R. R. Mudholkar, “FPGA Implementation of Fuzzy Logic Controller” Progression in Science, Technology and Smart Computing, ISBN – 978-81-948061-2-7, pp:240-245,2021.E-book.1<sup>st</sup> edition.</p> <p>6. P. S. Jadhav, C. B. Patil , G. B. Jirage, R. R. Mudholkar “Design and Simulation of Fuzzy Logic Based Temperature Controller for Machine Tool Spindle” Recent Trends in Science and Technology- Electronics (EL),ISBN- ISBN Number: 978-81-948061-9-6, 2022, pp:3.16-3.22 (E-book)</p> <p>7. P. S. Jadhav, C. B. Patil , G. B. Jirage, R. R. Mudholkar, “ FPGA based Data Acquisition System for Machine Tool Spindle” International Journal of Innovative Science and Research Technology,Vol.8,No.5,2023,pp.2599-2604.</p>
<p><b>Book Publications</b></p>	<p>1. “A Laboratory Work Book of Practical Electronics”, Nirali Prakashan, November 2022,ISBN: 978-93-95951-01-2</p>
<p><b>Conferences and Workshops and webinar</b></p>	<p>1. Poonam S. Patil, R. R. Mudholkar, “Interdisciplinary Relevance of Fuzzy Logic: A Review”, National Conference on "Innovative Trends in Electronics and Allied Technology" (ITEAT-2017), Organized by Rayat Shikshan Sanstha’s Yashavantrao Chavan Institute of Satara, Department of Electronics and Computer science, Sponsored by UGC-CPE New Delhi, Technically Sponsored by Society for Promotion of Excellence in Electronic Discipline (SPEED), Pune. (Adjudged for <b>second prize</b> for the best poster presentation.)</p> <p>2. Participated two day national workshop on Big Data Analytics with Hadoop organized by Department of Computer Science, Shivaji University, Kolhapur on 5<sup>Th</sup> and 6<sup>Th</sup> April 2017.</p> <p>3. Poonam S. Patil, R.R. Mudholkar “Student Performance Evaluation by Different Defuzzification Techniques” International Interdisciplinary Conference On Curriculum Reformsin Higher Education: Global Scenario (IICCRHE-2018) February 4-6, 2018</p> <p>4. One Day faculty development programme on “Use of Modern Technology in Teaching Pedagogy” organized by Internal Quality Assurance Cell &amp; Department of Electronics on 15 Th December 2019.</p> <p>5. One Day Workshop on “Hands on Training of Drone Technology” organized by Department of Electronics Vivekanand College Kolhapur (Autonomous) under the lead college scheme held on 5th February 2020.</p> <p>6. Participated one week faculty development program on “stepping towards problem and project based learning for academic excellence” organized by KIT College of Engineering, Kolhapur (Mechanical Department) from 9 June 2021- 13 June 2021.</p>

7. Participated in Three Days Online FDP on “Recent Trends in VLSI Design & Its Research Issues in Industry Compliance” from 16.7.2020 to 18.7.2020 organized by ECE Department, SRM Institute of Science & Technology-Ramapuram Campus, Chennai and Institution’s Innovation Council (Ministry of HRD Initiative), Govt. of India.
8. International online workshop on “New Trends in Fuzzy and Rough Set Theory and its application” Organized by Department of Mathematics, Statistics, school of Basic Sciences, Manipal University, India September 25-29,2020.
9. A webinar on Fuzzy Logic for Basic Research in Electronics, Mathematics & Statistics organized by Department of Electronics, Mathematics, Statistics Vivekanand College Kolhapur (Autonomous)Held on 29 December 2020.
10. A webinar on Fuzzy Logic for Fundamental Research Organized by Department of Electronics, Physics and Computer Science DKSC College, Ichalkaranji. Held on Friday, 22nd January, 2021.
11. A one day National Web Conference on Emerging Trends in Science, Technology & Smart Computing (ETSTSC-2021) organized by Department of Electronics, Physics & Computer Science of Willingdon college, Sangali,5<sup>Th</sup> March 2021.
12. One Week Online Faculty Development Program On “E-Content Development and Delivery, Research Methodology and Autonomy” organized by kamla Nehru Mahavidyalaya, Nagpur-24 &Modern College of Arts , Science and Commerce (Autonomous) in, collaboration with RUSA Maharashtra.
13. Workshop on “Radio Transmission Antennas” organized by department of Electronics, Vivekanand College Kolhapur (Autonomous), RUSA sponsored, 10<sup>Th</sup> March 2022.
14. One Day International Conference on “Recent Trends in Science and Technology” organized by Willingdon College, Sangli, 29<sup>Th</sup> June 2022. (Adjudged for **third prize** for the best paper presentation.)
15. MS-DEED Level 1 In-Person Workshop on “Introduction to Innovative Pedagogies for UG Teachers” organized by Maharashtra State Faculty Development Academy Pune in collaboration with Indian Institute of Science Education and Research Pune at Vivekanand College, Kolhapur (Autonomous), 4<sup>Th</sup> November 2022 to 6<sup>Th</sup> November 2022.

#### SELF-ASSESSMENT

Self-motivated and loyal individual with a strong passion for work and teaching profession. Being a responsible person with a good analyzing mind helps me to combat every difficulty and face challenging assignments successfully and with ease.

I hereby solemnly, do affirm that the particulars furnished above are true to the best of my knowledge.

Date:

Dr. Poonam S. Jadhav