

	<b>Name</b>	<b>Mrs. Sharda Prakash Tondare</b>			
	<b>Designation</b>	<b>Assistant Professor</b>			
	<b>Department</b>	<b>Electronics and Communication Engineering</b>			
	<b>Qualification</b>	<b>M.E (Biomedical)</b>			
	<b>Contact No.</b>	<b>9423573474</b>	<b>Ph. Extension</b>	<b>271</b>	
	<b>Email ID</b>	<b>sptondare@bvucoep.edu.in</b>			
	<b>Experience</b>	<b>Teaching:</b>	16-Years	<b>Industry:</b>	0.6 Years

<b>Area of Interest</b>	Biomedical Instrumentation, Analog and Digital Electronics, Circuit Design, Embedded Systems			
<b>Publications</b>	<b>International Journal (s):</b>	28	<b>National Journals (s) :</b>	-
	<b>International Conference (s):</b>	02	<b>National Conference:</b>	03
<b>Publication Details</b>	<p><b>International Journal (s):</b></p> <ol style="list-style-type: none"> <li>1) <b>Mrs. S.P.Tondare</b>, Himanshu Chetiwal, Satyam Soni, "UV Light Sterilizer", International Journal of Scientific Research in Engineering and Management, Volume 04, Issue 07, July 2020.</li> <li>2) <b>Mrs. S. P. Tondare</b>, Siddhant Mishra, Ram Mishra, Harsh Singh, "Vital Parameters Measurement through Wireless Communication System", International Research Journal of Engineering and Technology, Volume 07, Issue 07, July 2020.</li> <li>3) <b>Mrs. S.P Tondare</b>, Haitham Saleh, Nabhansul Thakur, Sameen Akbar, "Patient Monitoring System", International Research Journal of Engineering and Technology, Volume 06, Issue 06 June2019.</li> <li>4) <b>Mrs. Sharda P. Tondare</b>, Dr. Mrs. S.P. Gaikwad, Harshlata Punse, "Smart Water Management with Biogas Production", Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 6, June-2019.</li> <li>5) <b>Mrs. Sharda P. Tondare</b>, Dr. Mrs. S.P. Gaikwad, Satyam Chourey, Shubham Mishra, Arshdeep, "Bluetooth Controlled Electronics Home Appliances", International journal of Innovative Research in Technology", Volume 6, Issue 6, June-2019.</li> <li>6) <b>Mrs. Sharda P. Tondare</b>, Dr. Mrs. S.P. Gaikwad, Arshdeep, "Accident Detection Through Mobile Phone", International journal of Innovative Research in Technology", Volume 6, Issue 6, June-2019.</li> <li>7) <b>Mrs. Sharda P. Tondare</b>, Dr. Mrs. S.P. Gaikwad, Rishabh Anand, Vidit Rastogi,</li> </ol>			

Ashutosh Sharma, "Finger Gesture Vocalizer", International Journal of Scientific Research in Engineering and Management, Volume 3, Issue 6, June-2019.

**8) Mrs. Sharda P. Tondare**, Dr. Mrs. S.P. Gaikwad, Anshika Mishra, Ayushi Goel, Sanjoli Omar, "Air pollution and Noise Pollution Detector Using ESP8266", International Journal of Scientific Research in Engineering and Management, Volume 3, Issue 6, June-2019.

**9) Mrs. Sharda P. Tondare**, Dr. Mrs. S.P. Gaikwad, Neha Bagale, "MIMO-OFDM for High Rate Underwater Communication", Research Review International Journal of Multidisciplinary, Volume-3, Issue-12, December 2018.

**10) Mrs. Sharda P. Tondare**, Dr. S. P. Gaikwad, Abhinav Shukla, Amritanshu, Diksha Sharma, "A 2-Dimensional optical router for optical network on Chip", International Research Journal of Engineering and Technology, volume 1, Issue 11, June 2018.

**11) Mrs. Sharda P. Tondare**, Mrs. S.P.Gaikwad, Mamta, Mohini Pandey, Prerna Bisen, " Data Acquisition From Heart Through Wireless Telemetry", International journal of Innovative Research in Computer and Communication Engineering, Volume-6, Issue-5, May 2018.

**12) Mrs. Sharda P. Tondare**, Mrs. S.P.Gaikwad, Shrushti Chavan, Prarthana Gadekar, Manjunath Patil, " Solar Powered Non-Invasive Pulse Oximeter and Heart Rate Meter", International journal of Innovative Research in Computer and Communication Engineering, Volume-6, Issue-5, May 2018.

**13) Mrs. Sharda P. Tondare**, Mrs. S.P.Gaikwad, Ruchi Vyawahare, "Vital Parameter monitoring for health through IoT Using Biosensors and Medicine Box", International journal of Innovative Research in Computer and Communication Engineering, Volume-6, Issue-4, April 2018.

**14) Mrs. Sharda P. Tondare**, Ruchi Vyawahare, "Vital Parameter monitoring for health through IoT Using Biosensors and Medicine Box", International Journal of Scientific and Engineering Research, **Volume-6, Issue-4, April 2018.**

**15) Mrs. Sharda P. Tondare**, Mrs. S.P.Gaikwad, Priyadarshani Meshram, "Design and Realization of Automatic Video-based Docking Structure for Home Surveillance Robots by using Raspberry Pi", International Journal of Scientific

and Engineering Research, Volume-8, Issue-11, November 2017.

- 16) **Mrs. Sharda P. Tondare**, Mrs. S.P.Gaikwad, Abhijeet, "An Electronically Controlled Damper System to Reduce the Roll and Pitch in Automobiles", International Research Journal of Engineering and Technology, Volume-4, Issue-5, May 2017.
- 17) **Mrs. Sharda P. Tondare**, Poornima, Ulfat Mujawar, "Sleep Inducer", International Research Journal of Engineering and Technology, Volume-4, Issue-4, April 2017.
- 18) **Mrs. Sharda P. Tondare**, Divya Singh, hyuthika Sen, Yashpriya "Pain Relief through Electrical Stimulation", International Research Journal of Engineering and Technology, Volume-4, Issue-4, April 2017.
- 19) **Mrs. Sharda P. Tondare**, Diksh Bolshetti, Sonupriya Langote, Sonali Lokare, "Hearing Aid", International Research Journal of Engineering and Technology, Volume-4, Issue-4, April 2017.
- 20) **Mrs. Sharda P. Tondare**, Rahul Kumar, Navin Kumar, "Transcutaneous Electrical Nerve Stimulation using Microcontroller", International Journal of Engineering Science and Computing, Volume-6, Issue-5, May 2016.
- 21) **Mrs. Sharda P. Tondare**, Trinetra Naik, Prachi Samarth, "Finger Plethysmograph to Monitor Heart Rate", International Journal of Research in Engineering and Technology, Volume-5, Issue-5, May 2016.
- 22) **Mrs. Sharda P. Tondare**, Shradhha Bunnan, Gagan Pratap Singh, "Ultrasonic Blind Walking Stick for the Visually Impaired", International Journal of Research in Engineering and Technology, Volume-5, Issue-5, May 2016.
- 23) **Mrs. Sharda P. Tondare**, Priyadarshani Meshram, "Automatic Docking System for Home Surveillance Robots", International Journal of Scientific & Engineering Research, Volume-7, Issue-5, May 2016.
- 24) **Mrs. Sharda P. Tondare**, Ratnesh Kumar, "An AC LED Driver with Improved Harmonic Distortion and Power Factor", International Journal of Scientific & Engineering Research, Volume-7, Issue-5, May 2016.
- 25) **Mrs. Sharda P. Tondare**, Akanksha Fadnavis, "Automated Peritoneal Dialysis: A Cost effective Solution", International Journal of Science and Research, Volume-3, Issue -11, November 2014.

**26) Mrs. Sharda. P. Tondare**, Akanksha Fadnavis, "An easy and Economical Option for Dialysis Patients to Solve their PD problems: Automated Peritoneal Dialysis", International Journal of Advanced Research in Computer Science and Software Engineering, Volume-4, Issue -9, September 2014.

**27) Mrs. Sharda. P. Tondare**, "Body Composition Analysis: An Overview with Bioimpedance", ACADEMECIA an International Multidisciplinary Research Journal, Volume-2, Issue -12, December 2012.

**28) Mrs. Sharda. P. Tondare**, "Multi-Frequency Bioimpedance Monitoring Technique using Network Analyzer for body composition analysis", International Journal of Engineering Research and Technology, Volume-1, Issue -6, August 2012.

**International Conference (s):**

**1) Mrs. Sharda. P. Tondare**, Mrs. S.P. Gaikwad, "Nanotechnology in Cochlear Implants using Nano-Biomaterial for Drug Delivery and Stimulation", Proceedings of Nano Technology- Materials and Composites for Frontier Applications, BVDU, Pune, October 2010.

**2) Mrs. Sharda. P. Tondare**, Mrs. S.P. Gaikwad, "Nanotechnology and Its Advent in electronics and Communication Networks", Proceedings of Nano Technology- Materials and Composites for Frontier Applications, BVDU, Pune, October 2010.

**National Conference (s):**

**1) Mrs. Sharda. P. Tondare**, Rohan Aurora, "Nanotechnology in Cochlear Implants using Nano-Biomaterial for Drug Delivery and Stimulation", Proceedings of Emerging Trends in Biological and Information Sciences, Swami Vivekanand Mahavidyalaya, Udgir (M.S.), March 2011.

**2) Ms. Sharda V. Gourshete**, U. R. Bagal, S. H. Sanghavi, Arun Chavan, " Design and Development of Body Composition Analyzer" Souvenir, Emerging Trends in Biomedical Engineering, Birla Institute of Technology, Mesra, Ranchi, April-2005.

	<p><b>3) Ms. Sharda V. Gourshete, C.A. Chougule, U. R. Bagal, “System Development for Bio-electrical impedance Measurement for Body Composition Analyzer”, Proceedings of Advances in Electronics and Telecommunication, College of Engineering, Osmanabad (M.S.), February 2005.</b></p>
<b>Books Published</b>	Nil
<b>Professional Memberships</b>	IEEE Membership
<b>Workshop/ Seminar/Conference / Certification Courses attended</b>	<ol style="list-style-type: none"> <li>1) Two days Webinar series on “ IEC 62353 Complaint Electrical Safety Analyzer Testing for Patient Monitors and ventilators Part-1” from 15<sup>th</sup> March to 16<sup>th</sup> March 2021, organized by FLUKE Biomedical,</li> <li>2) One Week Online-Faculty Development Programme on “Machine Learning: Algorithms and Applications in Data Science” from 2<sup>nd</sup> November to 7<sup>th</sup> November 2020, organized by VIT, Pune.</li> <li>3) One Week Online-Faculty Development Programme on “Research trends in Medical Imaging” from 5<sup>th</sup> October to 10<sup>th</sup> October 2020, organized by SKNCOE, Pune.</li> <li>4) One Week Online-Faculty Development Programme on “Internet of Things for Healthcare” from 21<sup>st</sup> September to 26<sup>th</sup> September 2020, organized by Dr. Mahalingum College of Engineering and Technology, Pallochi.</li> <li>5) One Week Online-Faculty Development Programme on “Advances in Biomedical Signal Processing with Hands-on” from 7<sup>th</sup> September to 12<sup>th</sup> September 2020, organized by MKSSS Cummins College of Engineering for Women, Pune.</li> <li>6) One Week Online-Faculty Development Programme on “Electric Vehicles: Challenges and Opportunities” from 4<sup>th</sup> August to 29<sup>th</sup> August 2020, organized by</li> <li>7) One Week Online-Faculty Development Programme on “Advanced and Opportunities in Electronics and Telecommunication Engineering” from 4<sup>th</sup> August to 8<sup>th</sup> August 2020, organized by BV(DU) COE, Pune and SPVP S. B. Patil COE, Indapur.</li> <li>8) One Week Online-Faculty Development Programme on “Optimal Operation of Power System incorporating Renewable Energy Sources” from 27<sup>th</sup> July to 1<sup>st</sup></li> </ol>

August 2020, organized by Sagar Institute of Research and Technology, Bhopal.

- 9) One Week Online-Faculty Development Programme on “AI and Data Science” from 22<sup>nd</sup> July to 26<sup>th</sup> July 2020, organized by JSPM’s Rajarshi Shahu College of Engineering, Pune.
- 10) One Week Online-Faculty Development Programme on “Effective Teaching Pedagogy” from 20<sup>th</sup> July to 22<sup>nd</sup> July 2020, organized by Indraprasth Engineering College, Gaziabad.
- 11) One Week Online-Faculty Development Programme on “Future Nano Electronic Devices and Circuits” from 6<sup>th</sup> July to 11<sup>th</sup> July 2020, organized by MGIT, Hyderabad.
- 12) One Week Online-Faculty Development Programme on “SCILAB” from 11<sup>th</sup> May to 16<sup>th</sup> May 2020, organized by NBN Sinhgad School of Engineering, Pune.
- 13) Twelve-Week online NPTEL-AICTE Faculty Development Programme on “Sensors and Actuators”, Aug-Nov 2019 (12-Weeks), conducted by Indian Institute of Science, Bangalore.
- 14) NPTEL Online Certification Course on “Sensors and Actuators”, Aug-Nov 2019 (12-Weeks), conducted by Indian Institute of Science, Bangalore.
- 15) Two days workshop on “Nanoelectronics, Nano-Bioelectronics and Nanomaterials”, on 17<sup>th</sup>, & 18<sup>th</sup> September 2019 organized by IEEE Student Branch, Bharati Vidyapeeth (Deemed to be University), College of Engineering, Pune.
- 16) One day seminar on “Build Like Women” on 19<sup>th</sup> September 2019, organized by Bharati Vidyapeeth (Deemed to be University), College of Engineering, Pune.
- 17) Three days workshop on “Technical leadership Training Program”, on 16<sup>th</sup>, & 17<sup>th</sup> July 2019 and 30<sup>th</sup> August 2019, organized by Bharati Vidyapeeth (Deemed to be University), College of Engineering, Pune.
- 18) One Week Online-Faculty Development Programme on “Assessment and Evaluation under Outcome Based Education” from 10<sup>th</sup> June to 14<sup>th</sup> June 2019, organized by NITTTR, Kolkata.
- 19) Eight-Week online NPTEL-AICTE Faculty Development Programme on “Electronic Modules for Industrial Applications Using Op-Amps”, Feb-April 2019 (8-Weeks), conducted by Indian Institute of Science, Bangalore.

- 20) NPTEL Online Certification Course on “Electronic Modules for Industrial Applications Using Op-Amps”, Feb-April 2019 (8-Weeks), conducted by Indian Institute of Science, Bangalore.
- 21) Seminar on “Importance of Promoting Quality Research” on 20<sup>th</sup> February 2019, organized by Bharati Vidyapeeth (Deemed to be University), College of Engineering, Pune.
- 22) Two Day Workshop on “LaTex” on 13<sup>th</sup> & 14<sup>th</sup> February 2019, organized by Bharati Vidyapeeth (Deemed to be University), College of Engineering, Pune.
- 23) One Day Workshop on “Patent Drafting and Filing” on 9<sup>th</sup> February 2019, organized by Bharati Vidyapeeth (Deemed to be University), College of Engineering, Pune.
- 24) One Day Workshop on “Design Thinking” on 14<sup>th</sup> August 2018, organized by IEEE Student Branch, MIT COE, Pune.
- 25) Two Day National Workshop on “Analysis of Biological Data using R-Studio”, on 8<sup>th</sup> & 15<sup>th</sup> April 2018, organized by MGMs CET, Navi Mumbai.
- 26) One Day Workshop on “Author Workshop” on 7<sup>th</sup> March 2017, jointly organized by Springer Nature and Bharati Vidyapeeth University, College of Engineering, Pune.
- 27) Short Term Training Program on “Fundamentals and Applications of Nanomaterials”, from 26<sup>th</sup> December 2016 to 30<sup>th</sup> December 2016, organized by National Institute of Technical Teachers’ Training and Research, Kolkata, West Bengal.
- 28) 2<sup>nd</sup> National conference on “**Women Health- Challenges and Solutions**”, on 28<sup>th</sup> & 29<sup>th</sup> November 2015, jointly organized by Sharada Shakti, Pune, Tilak Ayurved Mahavidyalaya, Pune and MES institutes of Health Sciences, Pune.
- 29) TEQIP-II Sponsored Workshop on “**Women Empowerment**”, on 6<sup>th</sup> February 2015, organized by Bharati Vidyapeeth Deemed University College of Engineering, Pune.
- 30) One Day Workshop on “**Rashtra Nirmanasathi Shikshan**”, on 28<sup>th</sup> November 2014, organized by Department of Research and Innovation & Consultancy, Maharashtra Education Society Garware College of Commerce and Vivekanand Kendra, Kanyakumari (Branch-Pune)

- 31) 3<sup>rd</sup> International Conference **NANOCON 014** on “**Smart Materials, Composites, Applications and New Innovations**”, on 14<sup>th</sup> & 15<sup>th</sup> October 2014, organized by Bharati Vidyapeeth University, Pune, in association with North Carolina A& T State University, Greensboro, USA, Tuskegee University, Alabama, USA, University of Rokushima, Japan and Centre for Materials for electronics Technology ( C-MET) Department of Information Technology, Government of India, Pune.
- 32) TEQIP-II Sponsored Workshop on “**Understanding the Mind & Conditioning Ourselves Through EFT**”, on 19<sup>th</sup> July 2014, organized by Bharati Vidyapeeth Deemed University College of Engineering, Pune.
- 33) National Conference on “**Advance Technologies for Secured Communication using 4G and LTE (ATSC-2014)**”, on 5<sup>th</sup> and 6<sup>th</sup> February 2014, organized by Department of Electronics and telecommunication Engineering, Bharati Vidyapeeth Deemed University College of Engineering, Pune.
- 34) One day Workshop on “**New Trends in Biomedical Research**”, on 1<sup>st</sup> February 2014, organized by Department of Electronics Engineering and IETE Student Branch Vishwakarma Institute of Technology, Pune.
- 35) TEQIP-II Sponsored Workshop on “**Mantras for Personal Effectiveness**”, on 6<sup>th</sup> August 2013, organized by Bharati Vidyapeeth Deemed University College of Engineering, Pune.
- 36) National Conference on “**Instrumentation and Communication Engineering (NACICE-2013)**”, on 18<sup>th</sup> and 19<sup>th</sup> April 2013 organized by Department of Electronics Engineering, Bharati Vidyapeeth Deemed University College of Engineering, Pune.
- 37) TEQIP – II Sponsored Two Day Workshop on “**NI LABVIEW**”, on 10<sup>th</sup> & 11<sup>th</sup> January 2013, organized by Bharati Vidyapeeth Deemed University College of Engineering, Pune.
- 38) IEIE Approved National Level One Week STTP on “**WAVELETS**”, between 13<sup>th</sup> to 18<sup>th</sup> December 2012, organized by Department of Electronics and telecommunication Engineering, Sinhgad Institute of Technology and Science, Narhe, Pune One day workshop on “**Time Management**” on 11 Feb 2012, organized by Bharati Vidyapeeth Deemed University College of Engineering, Pune.
- 39) Staff Development Programme on “**Neural Network Design**” from June 13<sup>th</sup> -25<sup>th</sup>,



	<p>2011, organized by department of Electronics and Telecommunication Engineering, Sinhgad College of Engineering, Pune.</p> <p>40) Training and Certification Programme on “<b>LabVIEW CORE-I and LabVIEW CORE-II</b>” from November 22<sup>nd</sup> -26<sup>th</sup> 2010, organized by NI Systems India Pvt. Ltd., Bangalore.</p> <p>41) State Level Workshop on “<b>Biomedical Engineering</b>” from January 14<sup>th</sup> - 15<sup>th</sup> 2010, organized by department of Instrumentation and Control Engineering, AISSMS’s Institute of Information Technology, Pune.</p> <p>42) Two -day Workshop on “<b>IP Experiments with MATLAB</b>” from March 5<sup>th</sup> -6<sup>th</sup> 2009, organized by IETE Student Forum &amp; E &amp; Tc Department, Bharati Vidyapeeth’s College of Engineering for Women, Pune.</p> <p>43) Symposium on “<b>Medical Instrumentation (Symedin 2009)</b>” from January 31<sup>st</sup> – February 1<sup>st</sup>, 2009, organized by department of Instrumentation and Control, College of Engineering, Pune.</p>
<p><b>Achievements</b></p>	<p>1) Certificate course in Programming- Visual Basic 6.0 and LabVIEW.</p> <p>2) NPTEL Online Certification Course-Electronic Modules for Industrial Applications Using Op-Amps.</p> <p>3) NPTEL Online Certification Course-Sensors and Actuators.</p>
<p><b>Extra Activities</b></p>	<ul style="list-style-type: none"> <li>• Working as an IEEE Counselor, IEEE Student Branch, BVU COE</li> <li>• Worked as a Biomedical coordinator.</li> <li>• Worked as Electronic Student Association In charge.</li> <li>• Worked as purchase coordinator.</li> <li>• Worked as a Member of Board of Studies</li> <li>• Contribution in admission process as a scrutiny committee member.</li> <li>• Active participated in Beti Bachao Beti Padhavo Abhiyan</li> <li>• Active participation in Swachha Bharat Abhiyan conducted at Vitthalwadi,2015</li> <li>• Worked as a Guardian Faculty Member.</li> <li>• Worked as a member of Women Cell.</li> <li>• Member of organizing committee for college like Bharatiyam (Annual Tech Fest) and international conference - NANOCON.</li> <li>• Involved in NAAC and NBA activities.</li> <li>• Involved in organizing field visits within Pune as well as outside Pune.</li> <li>• Involved in organizing Guest Lectures, Workshops and Seminars at department level as well as college level.</li> <li>• Worked as TEQIP-II coordinator at department level.</li> <li>• Active participation in organizing seminar under Women Cell: “Naturopathy for</li> </ul>

	<p>Women Health”.</p> <ul style="list-style-type: none"><li>• Active participation in organizing Faculty Development Programs and Student Training Programs at department level.</li><li>• Active participation in organizing industrial visits to get industry exposure to self as well as students.</li></ul>