

## BIO-DATA



Recent Photograph

<b>1.</b>	<b>Name</b>	Nilashree S Wankhede (Madakath)			
<b>2.</b>	<b>Designation</b>	Assistant Professor in Electronics And Telecomm Branch			
<b>3.</b>	<b>Residential Address</b>	B- 1509, Arihant Aradhana CHS, Plot 253-254, Sector 10, Kharghar 410210			
<b>4.</b>	<b>Date of birth</b>	10 - 11 - 1980			
<b>5.</b>	<b>Total Experience</b>	15 years			
<b>i.</b>	<b>Teaching</b>	15 years			
<b>ii.</b>	<b>Industrial</b>	-			
<b>6.</b>	<b>Qualifications</b>				
	<b>Exam Passed</b>	<b>Year</b>	<b>Institution/ University</b>	<b>Branch/Specialization</b>	<b>Percentage/CGPI</b>
	ME	2013	Fr. C. Rodrigues Institute of Technology, Vashi.	Electronics & Telecommunication Engineering	1 <sup>st</sup> class with distinction (73%)
	BE	2002	Mahatma Gandhi Mission's College of Engineering and Technology (Mumbai University)	Electronics & Telecommunication Engineering	1 <sup>st</sup> class (66.38%)
	HSC	1996	Maharashtra Board	Electronics (vocational course)	1 <sup>st</sup> class with distinction 87.83% ,PCM: 90.33%
	CBSE	1994	Central Board of Secondary Education	-	1 <sup>st</sup> class with distinction (85.8%)
<b>Additional Qualification:</b>					
<b>7.</b>	<b>Employment Record</b>				
	<b>Institution</b>	<b>Year (From To)</b>		<b>Designation</b>	
	Fr. C. Rodrigues Institute of Technology, Vashi.	Since 01/01/2011 till date		Assistant Professor	
	Fr. C. Rodrigues Institute of Technology, Vashi.	01/01/2005 to 31/12/2010		Lecturer	
	Larsen And Toubro Institute of Technology, Powai	1/06/2003 to 31/12/2004		Lecturer	
<b>8.</b>	<b>Undergraduate / Postgraduate Teaching Experience and Subjects Taught</b>				
	<b>Subjects Taught at UG level</b>				
	<b>Sr.No.</b>	<b>Name of Subject</b>			<b>Semester</b>

	1	Probability and Random Processes (old course)		VI			
	2	Random Signal Analysis (rev course)		V			
	3	Internet communication Engineering (old course)		VIII			
	4	Internet and Voice Communication (CBGS)		VIII			
	5	Basic Electricity and Electronics Engg (old + rev course + CBGS)		I			
	6	Electronic devices and circuits (old course)		III			
	7	Optical fiber communication (old + rev course)		VIII			
	8	Optical Communication and Networks (CBGS)		VII			
<b>Subjects Taught at PG level</b>							
	Sr.No.	Name of Subject		Semester			
	1	Statistical Signal Analysis (ME CBGS)		I			
<b>9.</b>	<b>Research Experience</b>						
	<b>Self thesis work:</b>						
	1) Successfully completed ME project work from Fr. C R I T, Vashi, Navi Mumbai, in the year 2013. Project Guide: Dr. Milind S. Shah Project topic: Vocal tract shape estimation						
	2) Successfully completed BE project work from MGM Engineering College, Kamothe, in the year 2002. Project Guide: Prof. Wadkar , Project topic: Wideband FM Generation						
<b>10</b>	<b>Research Funding / Consultancy Services:</b>						
	Sr.No.	Name of the Company	Address	Product	Consulting Service	Consulting Fees	Period
	<b>Research Grants:</b>						
	Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project	
	<b>Technical Collaboration / Lab Funding with Industries</b>						
	Sr.No.	Name of the Funding Organization		Type of Support	Amount (Rs.)	Year	
<b>11</b>	<b>Professional Societies Fellowship / Membership</b>						
	Sr. No.	Name of the Professionals Society					
	1.	Fellow of The Institution of Electronics & Telecommunication Engineers, India (M-211859). Executive committee member of IETE Navi Mumbai Centre for the year 2014-16.					
	2.	Life member of the Indian Society for Technical Education, India (LM46471).					
	3.	Had Six months membership of IEEE from July 2013 to December 2013 (presently not renewed)					
<b>12</b>	<b>Achievements / Awards / Position</b>						
<b>13</b>	<b>Projects guided in UG/PG level BE project guidance</b>						

	<p>1) BE Final year students of the batch 2017-18 ongoing project on “High speed Optical Xilinx GTP transceiver”, Vedant C., Raviraj G. , Shamika G, Joso G., in consultation with TIFR.</p> <p>2) BE Final year students of the batch 2016-17 successfully completed a project on “Remote controlled Quadcopter”, Mahendra G, Thomson J, Roshan V, Abhimanyu G.</p> <p>3) BE Final year students of the batch 2015-16 successfully completed a project on “Smart Bag”. Shweta Mahavarkar, Tanvi Pulekar, Poonam Sakhare.</p> <p>4) BE Final year students of the batch 2014-15 successfully completed a project on “Android controlled Robot”. Himani Pathak, Aditya Shinde, Vidyalaksmi.</p> <p>5) BE Final year students of the batch 2010-11 successfully completed a project on “Zigbee based Monorail”. Nilesh Pagire, Santosh , Vishal C.</p> <p>6) BE Final year students of the batch 2010-11 successfully completed a project on “Data collecting Space Rover”. Ashish G, Pratima W., Kiran P</p> <p>7) BE Final year students of the batch 2008 successfully completed a project on “Development of two way mobile radio”. Melwin Louis Anugrah Srivastava Chandrakant .Mahale Sandhya G</p> <p>8) BE Final year students of the batch 2007 successfully completed a project on “Multichannel two way mobile radio”. Shankar Jadhav Harshal Nehete Rupesh Patil Shrinand Shirwal</p> <p>9) BE Final year students of the batch 2006 successfully completed a project on “Implementing two way mobile radio”. Sagar G Pankaj K. Omkar K. Mukesh P.</p> <p>10) BE Final year students of the batch 2006 completed project on “m-Commerce using Near Field Communication(NFC)”. Parameshwaran L. Nikhil P. Sushant P. Shwetangi</p> <p>11) BE Final year students of the batch 2005 completed project on “Two way mobile radio”. Shankar Narayan A. Ajit V. Onkar Bhardwaj. Dipen Dalal.</p> <p><b>ME project guidance</b></p> <p>1. ME Final year student of the batch 2014-15 worked on project “Public Key Encryption in Visual Cryptography” Student : Sarita Kulhari.</p> <p>2. ME Final year student of the batch 2015-16 worked on project “Vocal tract Shape Estimation for Children” Student : Veena S.</p>
<p><b>14</b></p>	<p><b>Short Term Training Programmes attended</b></p> <p>a) <b>Winter/Summer schools</b></p> <ol style="list-style-type: none"> <li>1. Attended one week AICTE-ISTE approved Induction Training program on “Open source Technologies for Engineering Education” organized by Don Bosco Institute of Technology, Kurla from 02/01/2018-06/01/2018.</li> <li>2. Attended 8 weeks course on “LASER: fundamentals and Applications” through NPTEL online courses (SWAYAM course) August-October 2017 with NPTEL certification.</li> <li>3. Attended a two day workshop on “Hands on Pic-Microcontroller and FPGA” conducted by resource persons from TIFR, Colaba on 19<sup>th</sup> and 20<sup>th</sup> August 2017 at FrCRIT, Vashi</li> <li>4. Attended one day workshop on “IE3D software” conducted in FrCRIT, EXTC Dept, Vashi on 7<sup>th</sup> April 2017.</li> <li>5. Attended one week Industrial training program on “Fiber optic technology and fibre optic sensors” from 21/12/2017-26/12/2017 at Eagle Photonics Pvt LTD., Vashi</li> <li>6. Attended one week ISTE approved Short term training program on “Software Tools for Engineering Researchers” organized by Electrical Engineering Department at Fr CRIT Vashi 05/10/2015-09/10/2015</li> </ol>

	<p>7. Attended two week ISTE workshop on 'Introduction to Research Methodologies', conducted by IIT Bombay , at Terna College of Engg.and Tech., Nerul, 25/06/2012-4/07/2012 .</p> <p>8. Attended one week Short term training program on "Advances in Mobile systems" organized by Computer Engineering Department at Fr CRIT Vashi 18/01/2010-22/01/2010.</p> <p>9. Attended One week AICTE approved and ISTE sponsored STTP on "Recent Trends in Wireless Communication" organized by Lokmanya Tilak college of Engineering, Koparkhairane from 23rd June to 27th June 2008.</p> <p>10. Attended AICTE sponsored one week workshop on "Matlab and its Application" held at Fr.C.R.I.T. Vashi by Electrical Engg. Dept.. during 07/01/2008 to 11/01/2008</p> <p>11. Attended AICTE sponsored one week workshop on "DSP and its Application in Speech and Image processing" held at Fr.C.R.I.T. Vashi from 9/07/07-14/07/07.</p> <p>12. Attended two week AICTE approved and ISTE sponsored STTP on "Recent Trends in Wireless Communication" organized by K.J.Somaiyya college of Engineering, Vidyavihar from 12th June to 22th June 2006.</p>
<b>15</b>	<b>List of Journal Papers Published (list in IEEE format)</b>
1	Nilashree W, Mahendra G, Thomson J, Roshan V and Abhimanyu G "Remote controlled Quadcopter for image capturing", in <i>International Journal of Engineering and Advanced Technology (IJEAT)</i> , Vol.6, Issue : ICDSIP17 MIT Aurangabad, ISSN (Online): 2249 – 8958 pp.1-5, March 2017
2	Veena S., N. S. Wankhede, and M. S. Shah, "Estimation of Vocal Tract Shape of Vowels for children", in proceedings of 2016 International Conference on communication systems and networks(ComNet) held on July 21-23, 2016, Trivandrum,pp 28-33(978-1-5090-3349-2/16 and full paper also included in the <i>IEEE Xplore DOI: 10.1109/CSN.2016.7823981</i> , July 2016
3	Shweta Mhavarkar, Tanvi Pulekar, Poonam Sakhare, and Nilashree W., "Multipurpose Smart Bag", in International Conference on Cloud computing and Virtualization 2016 held on February 26th-27th 2016, Thakur college of Engineering and Technology , Mumbai and full length paper also included in the <i>Elsevier Journal, Procedia Computer Science 79 (2016)</i> , doi: 10.1016/j.procs.2016.03.011, Pg 77-84, Feb 2016
4	Veena S., N. S. Wankhede, and M. S. Shah, "Study of Vocal Tract Shape Estimation Techniques for Children", in International Conference on Cloud computing and Virtualization 2016 held on February 26 <sup>th</sup> -27 <sup>th</sup> 2016, Thakur college of Engineering and Technology , Mumbai, full length paper also included in the <i>Elsevier Journal, Procedia Computer Science 79 (2016)</i> , doi: 10.1016/j.procs.2016.03.035, Pg 270-277, Feb 2016
5	Veena S., N. S. Wankhede, and M. S. Shah, "Study of Pitch detection methods" at National conference on Technological Advancement and Automization in Engineering.(Jan 2016), <i>ISSN: 2321-0613, International Journal - IJSRD</i> , Pg no : 405-410, Jan 2016
6	Sarita K and Nilashree W, "Public Key Encryption in Visual Cryptography" in the proceedings of ICNTE 2015, <i>International Journal IJERT</i> pp 44-48. held on 9th and 10th of January 2015 at Fr. C. Rodrigues Institute of Technology, Vashi, Jan 2015.
7	Nilashree W and Milind S, "Validation of Optimum Algorithm Parameters Required to Estimate Vocal Tract Shape for Children Using LPC Analysis" , in

		<i>Open Access Library International Journal, 1, e690 (OALib), 2333-9721, ISSN Online: 2333-9705, DOI: 10.4236/oalib.1100690, PP. 1-10, July 2014</i>
8		Nilashree W.,“A Review on designing visual speech training aids for children”, in <i>Proc. International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE) (ISO 3297:2007), Vol.3, Issue 4, ISSN (Online): 2278 – 8875 ISSN (Print): 2320 – 3765, pp.8726-8733, April 2014</i>
9		Nilashree W and Milind S,“Investigation on Optimum Parameters for LPC Based Vocal Tract Shape Estimation”, in proceedings of the IEEE 2013 International Conference on Emerging Trends in communication, Control, Signal Processing and Computing Applications,C2SPCA held on October 10th-11th 2013, and full paper also included in the <i>IEEE Xplore Catalog Number CFP13SPF-ART</i> ISBN Number 978-1-4799-1085-4, Oct 2013.
<b>16</b>	<b>List of Papers Published in National and International Conferences (list in IEEE format)</b>	
		<b>International Conferences</b>
1		Veena S., N. S. Wankhede, and M. S. Shah,“Estimation of Vocal Tract Shape of Vowels for children”, in <i>proceedings of 2016 International Conference on communication systems and networks(ComNet) held on July 21-23, 2016, Trivandrum, pp 28-33(978-1-5090-3349-2/16, July 2016</i>
2		Shweta Mhavarkar, Tanvi Pulekar, Poonam Sakhare and Nilashree W,“Multipurpose Smart Bag”, in <i>proceedings of the International Conference on Cloud computing and Virtualization 2016</i> held on February 26th-27th 2016, Thakur college of Engineering and Technology , Mumbai and full length paper also included in the Elsevier Journal, <i>Procedia Computer Science 79 (2016) , doi: 10.1016/j.procs.2016.03.011, Pg 77-84, Feb 2016</i>
3		Veena S., N. S. Wankhede, and M. S. Shah,“Study of Vocal Tract Shape Estimation Techniques for Children”, in <i>International Conference on Cloud computing and Virtualization 2016</i> held on February 26 <sup>th</sup> -27 <sup>th</sup> 2016, Thakur college of Engineering and Technology , Mumbai, full length paper also included in the Elsevier Journal, <i>Procedia Computer Science 79 (2016) , doi: 10.1016/j.procs.2016.03.035, Pg 270-277, Feb 2016</i>
4		Sarita K and Nilashree W, “Public Key Encryption in Visual Cryptography” in <i>the proceedings of ICNTE 2015, International Journal IJERT pp 44-48. held on 9th and 10th of January 2015 at Fr. C. Rodrigues Institute of Technology, Vashi, Jan 2015</i>
5		Nilashree W and Milind S, “Investigation on Optimum Parameters for LPC Based Vocal Tract Shape Estimation”, in <i>proceedings of the IEEE 2013 International Conference on Emerging Trends in communication, Control, Signal Processing and Computing Applications,C2SPCA held on October 10th-11th 2013, and full paper also included in the IEEE Catalog Number CFP13SPF-ART</i> ISBN Number 978-1-4799-1085-4, Oct 2013.
6		Savitha U and Nilashree W “ Pitch Estimation using Autocorrelation method and AMDF” <i>Proceedings International Conference on Advances in Advances in Computing and Management, Dr. D Y Patil Institute of MCA, Akurdi, Pune pp 249-253, January 06-08, 2012</i>
		<b>National Conferences</b>

1	Veena S., N. S. Wankhede, and M. S. Shah, "Study of Pitch detection methods" at <i>National conference on Tecnological Advancement and Automization in Engineering.</i> (Jan 2016), ISSN: 2321-0613, IJSRD, Pg no : 405-410, Jan 2016
2	Sarita K and Nilashree W, " Authentication and Tampering Detection of Rotated Document images with Repairing Potential" in <i>proceedings of IETE National Conference</i> on 22 <sup>nd</sup> August 2015, Navi Mumbai, Aug 2015
3	Nilashree W and Milind S, "Speech Training and Speech Signal Processing for the Hearing Impaired Individuals" at <i>National conference on Recent Advances in Computer Engineering (RACE 2013)</i> , 15th and 16th March 2013, pg 270-275 held at Modern Education Society's college of engineering, Pune, March 2013
4	Nilashree W, and Savitha U, "Pitch estimation using autocorrelation method" at <i>National conference on VLSI and Signal Processing(NCVSP-2011)</i> , (31/06/2011-01/07/2011) at G.H.Raisoni College of Engineering, Wagholi, Pune, July 2011
5	Nilashree W, and Sreedevi N, "Concept of multichannel two way mobile radio" at <i>National conference on Emerging trends in Electronics and Communication</i> , 6th Feb 2010, "ETEC 2010" Pg161-164 ,St. Ann's College of Engineering and Technology, Chirala, Feb 2010
6	Nilashree W, and K.T.V.Reddy, "Implementation of multichannel wireless two way mobile radio" in abstract <i>proceedings of National Conference on "Embedded Control, Computing And Communication (NCECCube -07)</i> held at International Institute of Information and Technology, Pune (19/09/07-21/09/07) (pg no Pg.19), September 2007
7	Nilashree W, and K.T.V.Reddy, "Multichannel Wireless mobile radio" in <i>proceedings of National Conference on Signal Processing and Automation (NCSPA-07)</i> held at Padmashree Dr.D.Y.Patil a Institute of Engg and Technology, Pimpri, Pune (07/06/07- 08/06/07) pg no Pg.288-290, June 2007
17	<b>Books/Reports/General articles etc.</b> .
18	<b>Invited Lectures in FDP/ STTP</b> .
19	<b>International Conference Technical Program Committee Member / Reviewer</b> . Reviewer for ICNTE 2015 International Conference at FrCRIT, Vashi
20	<b>Patents</b> .