

	<p><b>Dr. Vinayak K. Bairagi</b>  <b>Professor</b>, Dept of Electronics &amp; Telecom. Engineering.  All India Shri Shivaji Memorial Society's, Institute of Information Technology,  <i>(Affiliated to Savitribai Phule Pune University, Pune)</i>  Kennedy Road, Near R.T.O, Pune – 411001.</p> <p style="text-align: right;">College website: <a href="http://www.aissmsioit.org">www.aissmsioit.org</a></p> <p>Contact: (+91) 9421016118, <b>Email:</b> <a href="mailto:vbairagi@yahoo.co.in">vbairagi@yahoo.co.in</a> ; <a href="mailto:vk Bairagi@aissmsioit.org">vk Bairagi@aissmsioit.org</a>  <b>Website:</b> <a href="https://sites.google.com/site/drvkbairagi">https://sites.google.com/site/drvkbairagi</a></p>
<p>Qualifications:</p>	<ul style="list-style-type: none"> <li>• <b>Ph.D.</b> (E&amp;TC – Engineering) in the area of Medical Image Compression, from College of Engineering, Pune; under University of Pune (2013).</li> <li>• M.E. (Electronic- Engineering) from Sinhgad COE, (2007) (<b>1<sup>st</sup> Rank</b> in University of Pune)</li> <li>• M.B.A (HR) from Abhinav College, Pune (2016) (YCMOU, Nashik) (<b>Post Doctoral Degree</b>)</li> <li>• Chartered Engineer</li> </ul>
<p>Experience:</p>	<p>Teaching: ~12 years. Research: 7 years.</p>
<p>Publications</p> <p><b>Selected Publications:</b></p>	<ul style="list-style-type: none"> <li>• 35+ Papers in International Journals. 34+ Papers in National &amp; International conferences</li> <li>• 12 Papers in <b>SCI Index</b>, 24+ Papers in <b>Scopus Index</b> , ~22 papers in <b>UGC</b> recommended Journals</li> </ul> <ol style="list-style-type: none"> <li>1. V K Bairagi and A. Kanwade, “Novel Slope Based Onset Detection Algorithm for Electromyographical signals”, <b>Inderscience</b> International Journal of Biomedical Engineering and Technology, August 2018, <i>Presently Online first</i>.</li> <li>2. V K Bairagi, “EEG signal analysis for early diagnosis of Alzheimer disease using spectral and wavelet based features”, <b>Springer</b> International Journal of Information Technology, September 2018, Volume 10, Issue 3, pp 403–412.</li> <li>3. V. Harpale and V K Bairagi, “An Adaptive Method for Feature Selection and Extraction for Classification of Epileptic Brain Signal in Significant States”, <b>Elsevier</b> Journal of King Saud University – Computer and Information Sciences (2018), <i>Presently Online first</i>.</li> <li>4. A. Kanwade and V K Bairagi, “Classification of COPD and normal lung airways using feature extraction of EMG signals”, <b>Elsevier</b> Journal of King Saud University – Computer and Information Sciences (2017), <i>Presently Online first</i>.</li> <li>5. N. N. Kulkarni and V. K. Bairagi, “Extracting Salient Features for EEG based Diagnosis of Alzheimer Disease Using Support Vector Machine Classifier”, <b>Taylor and Francis</b> - IETE Journal of Research , Vol 63, No 1, pp 11-22, Jan 2017. (<b>Impact Factor 0.909</b>)</li> <li>6. V K Bairagi, K C Charpe, “Comparison of Texture Features Used for Classification of Life Stages of Malaria Parasite”, <b>Hindawi</b> International Journal of Biomedical Imaging, Vol 16, May 2016, pp1-9.</li> <li>7. V K Bairagi, “Symmetry Based Biomedical Image Compression”, <b>Springer</b> Journal of Digital Imaging. , Vol 28, No 6, pp 718-726, Dec 2015 (<b>Impact Factor 1.5</b>)</li> <li>8. V K Bairagi, A M Sapkal, M S Gaikwad, “The Role of Transforms in Image Compression”, <b>Springer</b> Journal of Institute of Engineers (India), Series B., Vol 94, No 2, June 2013. pp 135-140.</li> <li>9. V K Bairagi, A M Sapkal , “Texture Based Medical Image Compression”, <b>Springer</b> Journal of Digital Imaging, Vol 20, No 1, pp 65-71, Jan 2013. (<b>Impact Factor 1.5</b>)</li> <li>10. V K Bairagi, A M Sapkal, “ROI based DICOM Image Compression for Telemedicine”, <b>Springer</b> Sadhana- Academy Proceedings in Engineering Science, Vol 38, No 1,2013, pp 123-131. (<b>Impact Factor 0.259</b>).</li> <li>11. V K Bairagi, A M Sapkal, “Automated Region Based Hybrid Compression for DICOM MRI Images for Telemedicine Applications”, <b>The IET</b> Science, Measurement &amp; Technology, Vol 6, No 4, July 2012, pp. 247 – 253 (<b>Impact Factor 0.706</b>)</li> <li>12. T. G. Shirsat and V. K. Bairagi, “Lossless Medical Image Compression by Integer Wavelet and Predictive Coding”, <b>Hindawi-ISRN</b> Biomedical Engineering, Volume 2013, June 2013, pp 1-6.</li> </ol>

	13.A M Sapkal, V K Bairagi, “Telemedicine In India: Challenges and Role of Image Compression”, American Scientific Publishers: <i>Journal of Medical Imaging And Health Informatics</i> . Vol. 2011, No 4, Dec 2011, pp300–306.( <b>Impact Factor 0.642</b> )												
Impact	Cumulative SCI IF : >5, Citations 245+, H-Index 8, i10-index=6, RG Score = 13.66												
IPR	<ul style="list-style-type: none"> <li>Patents : 9 Filed</li> <li>Copyrights : 5 (4 Registered)</li> </ul>												
Recognition	<ul style="list-style-type: none"> <li>Reviewer for Seven journals. (Includes IEEE Transaction, IET and Springer Journals)</li> <li><b>Technical Program Chair</b> at IEEE WIECON 2016</li> <li><b>Session Chair</b> at International Conferences <table border="1"> <tr> <td>Springer ICICC 2017 at MITCOE , Pune</td> <td>IEEE-ICCUBEA at Pimpri 2017 &amp; 18</td> </tr> <tr> <td>IEEE-ICCUBEA at Pimpri 2016</td> <td>IET- EEECOS at IOIT, Pune 2016.</td> </tr> <tr> <td>Springer ICDECT at Lavasa 2016.</td> <td>IEEE ICIC at COEP, Pune 2015.</td> </tr> </table> </li> <li>Judge for National Conferences <table border="1"> <tr> <td>ACCET-2015 &amp; also in 2016 at Wadia COE</td> <td>Project exhibition of IEEE-CS 15, Pune</td> </tr> <tr> <td>UGCON 2015 ,2017 &amp; 2018 at MAE &amp; SITACS-13 at MITCOE</td> <td>SP Pune University organized PGProjx Event 2015, 2016</td> </tr> <tr> <td>Judge at Avishkar 17</td> <td>Jishin 18 at BVCOEW</td> </tr> </table> </li> <li>TPC member / Reviewer for more than Ten IEEE /IDES International conferences abroad.</li> <li>Session chair / Judge for many national Competitions organised by PICT, Pune, Cummins College, PVG college, Bharati Vidyapeeth COEW , MAE alandi , etc.</li> <li>S P Pune University Subject Chairman/Expert/Examiner (UG-PG &amp; PhD).</li> <li>S P Pune University recognised PhD Guide in Engineering.</li> <li><b>Invited Speaker</b> at (1) FDP at KLE College, Karnataka 2016 (2) AICTE-FDP at COEP, Pune 2016 (3) PICT Pune 2016. (4) SVRI College, Pandharpur 2016 (5) PICT Pune 2017 (6) SKNCOE 2017 (7) MAECO 2017 (8) PVPIT 2017 (9) SCO 2017 (10) FDP at KLE College, Karnataka 2018 (11) International conference at Jaihind College, Pune (12) PICT Pune 2018 (13) KK Wagh COE, Nashik (14) Jaihind College, Pune (15) SKN Pandharpur</li> </ul>	Springer ICICC 2017 at MITCOE , Pune	IEEE-ICCUBEA at Pimpri 2017 & 18	IEEE-ICCUBEA at Pimpri 2016	IET- EEECOS at IOIT, Pune 2016.	Springer ICDECT at Lavasa 2016.	IEEE ICIC at COEP, Pune 2015.	ACCET-2015 & also in 2016 at Wadia COE	Project exhibition of IEEE-CS 15, Pune	UGCON 2015 ,2017 & 2018 at MAE & SITACS-13 at MITCOE	SP Pune University organized PGProjx Event 2015, 2016	Judge at Avishkar 17	Jishin 18 at BVCOEW
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Awards	<ol style="list-style-type: none"> <li>The Institution of Electronics and Telecommunication Engineers (<b>IETE</b>) – <b>M N SAHA Memorial Award-2018</b></li> <li>Indian Society for Technical Education (<b>ISTE</b>)-<b>SGSITS Young Researcher Award winner 2015.</b></li> <li>Institute of Engineers India (<b>IEI</b>) <b>Young Engineer Award winner 2014.</b></li> <li>Appreciated by AISSMS-IOIT with <b>Best Teacher Award</b> for Excellent academic performance with Letter &amp; Memento (2015, 2016 &amp; also 2017 <b>Hat-trick</b>).</li> <li><b>“Maniratna”</b> Best Teacher Award for Excellent academic Performance (2013).</li> <li><b>“Best Teacher”</b> Award from JaiGuru Datta Seva Santha, Pune (2012)</li> <li>Appreciated by Shree Rangdas Swami Ed. So. Mulashi, Pune, for <b>remarkable</b> academic performance with Letter &amp; Memento (2012).</li> <li>Appreciated by Sinhgad Academy of Engineering for Excellent academic performance with Letter &amp; Memento (2009 &amp; 2010).</li> <li>Won <b>Runner-up</b> Prize in ‘Avishkar-07’ a research Project Competition</li> <li>Winner of Yuva Engineers Awards 2014 in Technical paper section at Yuva-Engineers, Hyderabad for paper “Image Compression Based on Prediction Coding”.</li> <li><b>Best paper Award</b> in Signal Processing session, “Significance of Independent component Analysis for Epileptic Seizure Detection Using EEG Signals”, Springer International Conference ICDECT 2016, Lavasa.</li> <li><b>Won 1<sup>st</sup> Prize</b>, “An efficient way of garbage management”, UGCON 17 National conference, MAE Alandi, 25 March 17.</li> <li><b>Best paper Award</b> in VLSI session, “Hardware Implementation of Genetic Algorithm for Epileptic Seizure Detection and Prediction”, IEEE-ICCUBEA at PCCOE 2017</li> </ol>												

	<p><b>Awards to Students Guided Groups:</b></p> <p>14. Best Innovative project award in IEEE HTA project competition WIECON 2016.</p> <p>15. Gandhian Young Technological Innovation (GYTI) Awards. BIRAC-SRISTI Appreciation Award 2016.</p> <p>16. Winner of ISTE- Maharashtra State Engineering Design Award – 2015.</p> <p>17. Research Project Competition in Army Institute, Pune. 2015 1<sup>st</sup> Prize.</p> <p>18. Research Project Competition in PICT , Pune 2015. – 2<sup>nd</sup> Prize.</p> <p>19. Won 1st Prize , “Data tracking using GPS &amp;GSM”, CONVENE 2k13 National Level Conference SKNCOE, Pune, 16 March 2014</p> <p>20. Young Investigator Award for paper “Lossless Medical Image Compression” at International conference ICEECS-2013 at Mumbai.</p> <p>21. Consolation Award for paper “A Scalable Parallel Processor for Real-Time Image Processing” at National conference UESCOMM-2013 at Solapur.</p> <p>22. Appreciation for research project in ProjX competition in 2009 at SAE.</p>
Grants :	<ul style="list-style-type: none"> <li>• <b>DST SERB</b> Travel Grant worth Rs 71,400 to present paper at Singapore (2018)</li> <li>• BCUD, SPPU research grant , “Diagnosis for Alzheimer disease”. (Rs 1.6 lakh- 2016-18)</li> <li>• GYTI research Grant for research on “Brain Monitoring”. (Rs 1 lakh, 2016)</li> <li>• BCUD, UoP research grant , “Medical image compression”. (Rs 1.5 lakh, 2008-10)</li> <li>• Two times travel grant by University of Pune to present Research paper.</li> <li>• Travel Grant to attend meeting Electropreneur-park1 (2016)</li> <li>• QIP grants of total 4,90,000 to conduct various STTP/Workshops/Seminars.</li> </ul>
Teaching Responsibilities:	<ul style="list-style-type: none"> <li>• Various courses at B.E and M.E level like Electronic Product Design, Electronic Measurement Systems, Television Engineering, Digital Signal Compression, Fibre Optic Communication, Research Methodology etc.</li> </ul>
Administrative Responsibilities:	<ul style="list-style-type: none"> <li>• Research and development coordinator of Institute.</li> <li>• PhD Coordinator of Institute.</li> <li>• NBA &amp; NAAC research criteria In-charge at Institute level.</li> <li>• UGC nodal officer.</li> <li>• AICTE Single point contact person of Institute.</li> <li>• Remote centre coordinator of IITB-NMEICT program.</li> </ul>
Consultancy	<ul style="list-style-type: none"> <li>• Testing and consultancy for UPS Online, 20 KVA UPS, 3 Phase input, 3 Phase Output for Radiated Emission as well as conducted Emission</li> </ul>
Books authored	<ul style="list-style-type: none"> <li>• 5 Books (<b>1 with Elsevier Publication</b>) + (1 with CRC press under production)</li> <li>• 3 Book Chapters</li> </ul>
Project Guided	<ul style="list-style-type: none"> <li>• PhD - 07 Registered</li> <li>• ME - 11 + 3 ongoing</li> <li>• BE - 21 (Groups) + 2 ongoing (6 Sponsored Projects)</li> </ul>
QIP Organized	<ul style="list-style-type: none"> <li>• STTP : 7,</li> <li>• Conferences : 8,</li> <li>• Seminars : 10,</li> <li>• Workshops : 8.</li> </ul>
QIP Attended	<ul style="list-style-type: none"> <li>• STTP/ FDP :12,</li> <li>• Conferences :21,</li> <li>• Seminars : 11,</li> <li>• Workshops : 9</li> <li>• Online course / modules : 5</li> </ul>