


## FACULTY PROFILE

<b>Name</b>	:	<b>Dr. Anand H. Unnibhavi</b>	
<b>Designation</b>	:	Assistant Professor	
<b>Department</b>	:	Electronics and Communication	
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<b>Scopus ID</b>	:	57195066187	
<b>Vidwan Id</b>	:	125028	
<b>Researcher ID (Web of Science)</b>	:	AAI-4182-2021	
<b>Google Scholar ID</b>	:	mqPSnRMAAAAJ	
<b>Qualification</b>	:	Ph.D	
<b>Professional Experience</b>	:	17	
Teaching experience	:	16	
<b>Administrative Responsibilities</b>	:	i) Coordinator and Student advisor for Electronics & Communication Students Association, Basaveshwar Engineering College, Bagalkot. 2011 ii) Coordinator and Student advisor for Electronics & Communication Students Association, Basaveshwar Engineering College, Bagalkot. 2017. iii) Assisted in NBA, NAAC, and VTU-LIC for documentation at college and department. iv) SEE Question paper Proof reading Coordinator of the dept. for the year 2022 v)SEE Booklet Issuing Coordinator of the dept. for the year 2023-24.	
<b>No. of Projects Guided</b>	:	19	
UG	:	15	

<b>PG</b>	:	4
<b>Number of students Guiding for Ph.D</b>	:	1
<b>Research Interest Area</b>	:	Speech Processing, Speech Synthesis
<b>Journals (with citations)</b>	:	<ol style="list-style-type: none"> <li>1. Anand Desai, Shrinivas Talawar, Sachin Naik, Anand H Unnibhavi,” A Survey of Wireless Charging System for Electric Vehicles and Fire Protection”, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 4, Issue 5, March 2024.</li> <li>2. Anand H.Unnibhavi, D.S.Jangamshetti, Shridhar K “Performance Enhancement of ASR System using Noise Reduction Technique as Pre-processing step”, Indian Journal of Computer Science and Engineering (IJCSE) Vol. 14 No. 6 Nov-Dec 2023.</li> <li>3. Anand H.Unnibhavi, D.S.Jangamshetti, Shridhar K. , “Triphone Model Based Novel Kannada Continuous Speech Recognition System using Kaldi Tool” , International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-9, July 2020.</li> <li>4. Anand H.Unnibhavi, D.S.Jangamshetti, Shridhar K. , “Continuous Speech Recognition System for Kannada Language with Triphone Modelling using HTK”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-3, September 2019.</li> <li>5. Anand H. Unnibhavi, Dr.D.S.Jangamshetti, “Development of Kannada Speech Corpus for Continuous Speech Recognition”International Journal of Computer Applications (0975 – 8887) Volume 179 – No.53, June 2018.(Citations-04).</li> <li>6. Rashmi Jakati, Anand Unnibhavi, “Automation of liquid filling and mixing/agitating sequentially with pre-defined volume using plc” IJRET: International Journal of Research in Engineering and Technology ISSN: 2319-1163   ISSN: 2321-7308 2016.</li> <li>7. Pallavi K.Sajjan, Anand H.Unnibhavi, “PLC based Automated Flow Control in Cold Drinks Manufacturing Industry “International Journal on Emerging Technologies (special Issue on ICRIET-2016) 7(2):158- 163(2016).</li> <li>8. Mahaveer Chougala, Anand. H.Unnibhavi “Comparison of conventional MFCC with new Efficient MFCC Extraction Method in Speech Recognition” IPASJ International Journal of Computer Science (IIJCS) Publisher for Research Motivation Volume 3, Issue 1, January 2015.(citations-01).</li> <li>9. Smitha K., Anand H. Unnibhavi,“Fuzzy based Congestion Control in Wireless Network” International Journal of Computer Science and Communication Vol.2 July-</li> </ol>

		<p>December 2011, pp. 469-473.</p> <p>10. Anand Mulsalvagi, Anand H.Unnibhavi,“Impact of Relay Nodes on Vehicular Delay Tolerant Network”. International Journal of Computer Science and Communication Vol.2 July-December 2011, pp. 653- 656.(citations-01)</p>
<b>Conferences</b>	:	<p>1. Kartik Kulkarni, Shrinidhi Joshi, Chandrashekhar G. Hadalagi, Shivananda, Anand H. Unnibhavi “Survey on Health Monitoring System”, Sustainable Solutions in Engineering and Technology, Sep. 2024 ISBN: 978-93-48091-13-0</p> <p>2. Anand H.Unnibhavi and D.S.Jangamshetti, “LPC Based Speech Recognition for Kannada Vowels”, International Conference On Electronics, Communication, Computer Technologies and Optimization Techniques, December 15-16,ICEECCOT-2017.(citations-10).</p> <p>3. Anand H.Unnibhavi, Dr.D.S.Jangamshetti, “A Survey of Speech Recognition on South Indian Languages ”IEEE Conference Proceedings, International Conference on Signal processing, Communication, Power and Embedded System(SCOPES-2016),ISBN:CFP16H12-PRT/978-1-5090-4619-5,3<sup>rd</sup> – 5<sup>th</sup> October-2016,(citations-06).</p>
<b>Invited Talks</b>	:	Resource person for “Remedial classes” of MCA Dept final year students in April 2011.
<b>Events Organized</b>	:	
<b>Conferences/ Symposia/ Workshops/ Training Programs Attended</b>	:	<p>1. “ETHICS, TRUST AND USABILITY IN SPEECH TECHNOLOGY”, 5 days workshop (GIAN) at IIT Dharwad from 03/03/2025 to 07/03/2025.</p> <p>2. “Quantum Computing” 6 days workshop at KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES from 10/02/2025 to 15/02/2025.</p> <p>3. “Empowering Smart Cities with AI-Driven Edge and Fog Computing Architecture” 6 days ATAL workshop conducted by SIDDAGANGA INSTITUTE OF TECHNOLOGY from 20/01/2025 to 25/01/2025.</p> <p>4. "Harnessing GeNAI", for 10 days conducted by NIT Warangal-NMIT Bangalore from 04th November 2024 to 14th November 2024.</p> <p>5. Outcome Based Education for two days conducted by BEC Bagalkote held on 30<sup>th</sup> to 1<sup>st</sup> October 2023.</p> <p>6. ChatGPT and Generative AI conducted by ExcelR solutions for 9 days Held From 11th Sep 2023 to 19th Sep 2023.</p> <p>7. Artificial Intelligence and Machine learning with Python Programming conducted by NIT Warangal and B.L.D.E.A's V.P. Dr.P.G.Halakatti College of Engineering</p>

	<p>and Technolog, Vijayapur for 12 days 11 October 2021 to 22 October 2021.</p> <ol style="list-style-type: none"> <li>8. Digital Transformation in teaching learning process conducted by BEC Bagalkote for 15 days from 16<sup>th</sup> -30<sup>th</sup> March 2020.</li> <li>9. Concepts, Methods, Challenges and Future directions in Medical image analysis using Machine learning conducted by SJCE Mysore for 5 days from 10<sup>th</sup> – 14<sup>th</sup> August 2020.</li> <li>10. Research Methodology and LaTeX with Hands-on, conducted by SVCE Bangalore, for 6 days, from 6<sup>th</sup> – 11<sup>th</sup> July 2020.</li> <li>11. Machine Learning Using Python conducted by Reva University for 5 days from 25<sup>th</sup> - 29<sup>th</sup> May 2020.</li> <li>12. Mathematical and Statistical Modelling organized by Godavari Institute of Engineering and Technology, Rajamundry Andra Pradesh, for 5 days from 26<sup>th</sup> – 30<sup>th</sup> May 2020.</li> <li>13. MOODLE (Online) TIET conducted by SALEM DT TAMILNADU for 6 days from 4<sup>th</sup> – 9<sup>th</sup> May 2020.</li> <li>14. R.Programming (Online) organized by Sinhgad Insti. SITS Maharashtra.Pune for 6 days from 4<sup>th</sup> – 9<sup>th</sup> May 2020.</li> <li>15. Online Workshop for Students and Faculty Development Programme On “LaTeX” organized by MIT Barshi for 4 days from 14<sup>th</sup> - 17<sup>th</sup> May 2020.</li> <li>16. AICTE-Examinations Reform policy conducted by BEC Bagalkot for 02 days from 6<sup>th</sup> – 7<sup>th</sup> May 2020.</li> <li>17. School On Automatic Speech Recognition (ASR)-2017 organized by IIT Guwahatti for 12 days from 16<sup>th</sup>-28<sup>th</sup> May-2017.</li> <li>18. WISSAP-2017 organized by IISC Bangalore conducted for 4 days from 26<sup>th</sup>-29<sup>th</sup> Jan. 2017.</li> <li>19. Biology For Engineers organized by IIT Bombay for 4 days from 1<sup>st</sup> - 4<sup>th</sup> Feb 2017.</li> <li>20. Machine Learning using Python conducted by BVB CET Hubli for 3 days from 3<sup>rd</sup>-5<sup>th</sup> March 2016.</li> <li>21. Control Engineering workshop organized by IIT Bombay for 3 days from 25<sup>th</sup>-27<sup>th</sup> Feb.2016.</li> <li>22. Train the trainer” program on Industrial Automation Technology organized by VTU-BR centre of Competence in Automation Technology, Mysore for 27 days from April 1<sup>st</sup> 2010 to April 27<sup>th</sup> 2010.</li> <li>23. IEEE APS Region Distinguished Speaker Programme organized by BEC-Bagalkot for 1 day from 11<sup>th</sup> September 2015.</li> <li>24. Sustainable Energy Technologies for Academic Campuses organized by BEC-Bagalkot for 2 days from 5<sup>th</sup> - 6<sup>th</sup> June 2015.</li> <li>25. Outcome Based Education organized by BEC-Bagalkot for 1 day from 18<sup>th</sup> Dec. 2015.</li> </ol>
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	<p>26. Capacity building Towards Quality Teaching and Learning organized by IISC-Bangalore for 15 days from 25<sup>th</sup>-6<sup>th</sup> December 2013 and 8<sup>th</sup>-10<sup>th</sup> January 2014.</p> <p>27. WISSAP-2013 organized by IIT-Madras for 4 days from 22<sup>nd</sup>-25<sup>th</sup> Feb.2013.</p> <p>28. VTU-VGST Faculty Development program on Intelligent Instrumentation and Robotics organized by BEC-Bagalkot for 5 days from 26<sup>th</sup> march- 30<sup>th</sup> march 2012.</p> <p>29. Bosch Rexroth Electric Drives and Controls organized by BEC, Bagalkot for 5 days from 14<sup>th</sup>-18<sup>th</sup>june,2010.</p> <p>30. Effective Teaching practices conducted by BEC, Bagalkot for 3 days from 29<sup>th</sup>- 31<sup>st</sup> jan.2010.</p> <p>31. Wireless Sensor networks conducted by BEC, Bagalkot for 5 days 24<sup>th</sup>-28<sup>th</sup> feb.2009.</p> <p>32. Fundamentals of HDL conducted by BEC, Bagalkot for 2 days from 14<sup>th</sup>-15<sup>th</sup> feb.2008.</p> <p>33. Computer network simulation organized by BEC, Bagalkot for 3 days from 21<sup>st</sup>-23<sup>rd</sup>feb. 2008.</p> <p>34. Recent advances in Electronics and communication Engg organized by B.L.D.E.A-Bijapur 3 days from 21<sup>st</sup>-23<sup>rd</sup> Sep.2007.</p> <p>35. Optical and wireless networks organized by I.I.T. Kharagpur for 6 days from 17<sup>th</sup>-22<sup>nd</sup> December, 2007.</p> <p>36. Digital System design using VHDL organized by MCE, Hassan for 1 day from 16<sup>th</sup> Sep-2006.</p> <p>37. Recent Trends in linear Algebra and its applications to Engineering Problems organized by MCE, Hassan for 5 days from 1<sup>st</sup> – 5<sup>th</sup> Nov.2006.</p>
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