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	Qualification	M.E (Electronics), Ph.D.Pursuing		
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	Experience	Teaching :	14-Years	Industry :

Area of Interest	Signal processing, Communication			
Publications	International Journal (s):	27	National Journals (s) :	
	International Conference (s):	02	National Conference:	01
Publication Details	<p>Academic Year 2017-18</p> <ol style="list-style-type: none"> 1) Mangal Patil, Vishakha Patil, “Curvelet Based ECG Steganography for Protection of Data” Springer Lecture Notes in Computational Vision and Biomechanics book series (LNCVB, Vol. 28), pp 238-248, DOI: https://doi.org/10.1007/978-3-319-71767-8_20 , P-ISBN: -978-3-319-71766-1, (Feb. 2018) 2) Mangal Patil , J. S. Chitode, “Robustness Improvement of Digital Audio Watermarking by optimizing Singular values for Copyright Protection” WSEAS TRANSACTIONS on SYSTEMS and CONTROL, Vol. 12, PP.440-450,(Dec. 2017) 3) Maheshwari Kulmethe, M. V. Patil, “Techniques of Characteristics, Components of a Raga Identification System”, Imperial Journal of Interdisciplinary Research (IJIR) ,Vol-3, Issue-9, 2017,ISSN: 2454-1362,Pp.953-958. <p>Academic Year 2016-17</p> <ol style="list-style-type: none"> 4) M. V. Patil, KalpanaShete, J. S. Chitode, “Least Significant bit & discrete wavelet Transform algorithm realization for Image steganography employing FPGA”, International Journal of Image ,Graphics and signal processing, Vol.6, PP.48-56, June 2016, DOI:10.5815/ijigsp.2016.06.06. (IF-0.722). 5) Mrs. M. V. Patil, Dr. J. S. Chitode , “A Novel Digital Audio Watermarking Algorithm by Optimizing Singular Values”,. International Journal of 			

Computer Science and Information Security, Vol.14, No.12, December 2016, pp.880-885.

- 6) Mrs. M. V. Patil , Aditya, “Solar based Cell phone signal strength amplifier on GSM 900 frequency band,” International Journal of Scientific and Engineering Research, Vol. 8, issue 3, March 2017.
- 7) Mrs. M. V. Patil ,NitishOza, “Obstacle sensing walking stick for visually impaired: , International Research Journal of Engineering and Technology(IRJET), vol. 4, issue 4, Apr 2017.
- 8) Sheetal Shelke, Mrs. M V Patil, J.S. Chitode “Implementation of Audio Watermarking algorithm based on embedding strategy in high frequency sub-band with binary sequence using DWT-FFT”, International Journal of Advanced Research ,Vol.4(9), Sept. 2016
- 9) Mangal Patil, Janardan Chitode, “Performance Evaluation of Digital Audio Watermarking based on Discrete Wavelet Transform for Ownership Protection”, International Journal on Electrical Engineering and Informatics, Vol. 9, No. 1, March 2017.
- 10) Gaurav Singh Bisht ,Vivek Kumar Verma , Anish Kumar Singh, M. V. Patil , “A Study on Vehicle Accident Alert System”,International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering(IJAREEIE)ISSN (Online): 2278 – 8875, Vol. 6, Issue 4, April 2017 . Pp.2383-2389.

Academic Year 2015-16

- 11) Bharat Avasthi, Sabya,Ashish Kumar, Mrs. M V Patil, “Robotic Arm Wirelessly Controlled By Android Application”, International Journal of Engineering and Technical Research (IJETR) ISSN: 2321-0869, Volume-3, Issue-6,PP.193-196, June 2015.(IF.2.19)
- 12) Utkarsha Singh, TeestaMoitra, NehaDubey, Mrs. M V Patil”Automated fabric defect detection using Matlab”, International Journal of Advanced Technology in Engineering and Science , Volume No.03, Issue No. 06,PP.294-299, June 2015, ISSN (online): 2348 – 7550, IF-2.87
- 13) SheetalShelke, Mrs. M V Patil,J.S. Chitode, “DWT-DFT based Audio watermarking algorithm for copyright protection” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-5, Issue-2, Dec.2015.(IF-3.84)
- 14) SheteKalpana, Mrs. M V Patil, J.S. Morbale, “FPGA implementation of

Image Steganography using LSB and DWT' , International Journal of Computer Science & Network(IJCSN) ISSN: 2277-5420,Vol.4,Issue 6, PP. 847-853, Dec.2015.(IF.1.02)

- 15) SupriyaHasarmani, Mrs. M V Patil, P.R. Naregalkar, "Digital Video Watermarking using DWT-DFT Transforms and SVD Technique", International Journal of Computer Science & Network(IJCSN) ISSN: 2277-5420,Vol.4,Issue 6, PP. 854-859, Dec.2015.(IF-1.02)
- 16) M. V. Patil, DheerajPatil, " A Fast FPGA based Architecture Implementation for Reversible Image Watermarking", International Journal of Engineering and Advanced Technology Vol.5, Issue 4, April 2016. PP. 228-232. (IF- 3.84)
- 17) M. V. Patil, DishaKapoor, RohitPandey, RishavVaid, " Electronics Dice using Dot matrix display" , International Journal of Engineering Sciences & Research Technology, Vol.5, May 2016. (IF- 3.785)PP. 315-321.
- 18) Sonam Singh, Mrs. M.V. Patil, "Multi Focus Image Fusion Based on Spatial Frequency and Contrast Based Analysis under Stationary Wavelet Transform Domain", International Journal of Scientific & Engineering Research, Vol.7, No. 5, May 2016,PP. 225-230.(IF- 3.8)

Academic Year 2014-15

- 19) PrashantChauhan, PremPrakash, Mrs. M V Patil , "Wireless Agriculture System Using Zigbee, International Journal of Electronics & Communication Technology, Vol. 5, Issue 2, April - June 2014, PP-233-236, ISSN: 2230-7109. IF-0.675
- 20) Ashish ,Ashwin Kumar, Mrs. M V Patil, "Zigbee based voice recognition wireless home automation system", Indian streams Research Journal, Vol. 4 Issue. 6, PP. , ISSN- -2230-7850. July 2014. DOI : 10.9780/22307850, (IF- 4.1625)

Academic Year 2013-14

- 21) Mrs. M. V. Patil,. Dr. J. S. Chitode , "Improved Technique for Audio Watermarking Based on Discrete Wavelet Transform", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-2, Issue-5, June 2013,pp.511-516.(1.097)
- 22) KomalShedge, Mrs. M V Patil, " A New Facet in Robust Audio Watermarking in DWT-SVD Domain", International Journal of Engineering

	<p>Research & Technology (IJERT), volume 3, Issue 5, May 2014 (IF-1.76)</p> <p>23) Jyoti Mishra, Mrs. M. V. Patil, "An Effective Audio Watermarking using DWT-SVD, International Journal of Computer Application , PP. 6-11, ISSN- 0975 – 8887, May. 2013.(IF-0.791)</p> <p>24) Komal Shedge, Mrs. M V Patil, "Dual Transform Based Audio Watermarking", International Journal of Scientific & Engineering Research (IJSER), volume 5, Issue 5, May 2014. ISSN: 2229-5518 (IF-3.8)</p> <p>National Conference</p> <p>25) Sahil Jain, Mudit Agarwal, M.V.Patil, "Biometric Voting machine", NACICE-2013, Pune.</p> <p>International Conference</p> <p>26) Mrs. M V Patil, Komal Shedge, "Adaptive Audio Watermarking techniques: A literature Review", Conference on Recent Trends in Engineering & Technology (ICRTET'2014), K. B. Jain College of Engineering, Chandwad. 978-93-5107-221-8, March 2014.</p> <p>Academic Year 2012-13</p> <p>27) Mrs. Mangal V. Patil , Dr. J. S. Chitode, " A Concise Review of Digital Audio Watermarking Techniques ", CiiT International Journal of Digital Signal Processing, Vol 4, No 5, May 2012, pp.205-211 ,ISSN: 0974 – 9594. IF-0.126)</p> <p>28) Mrs. Mangal V. Patil, Dr. J. S. Chitode, "Audio Watermarking: A way to Copyright Protection", International Journal of Engineering & Research & Technology, Vol. 1 Issue 6, August – 2012, pp.1-5. ISSN: 2278-0181(1.76)</p> <p>29) Mrs. M. V Patil, Yatin Baluja, "Frequency domain based data hiding technique for audio" Vol. 2, Issue 5, May 2013 PP. 1564-1569, (IF-1.23)</p> <p>30) Mrs. M. V Patil, "Audio and Speech Compression Using DCT and DWT Techniques", International Journal of Innovative Research in Science, Engineering and Technology, pp. 1712-1719, May 2013, Vol. 2, Issue 5, ISSN: 2319-8753, (IF-6.209)</p>
<p>Research Projects</p>	<p>Title of the Project: Dual Transform based Digital Audio Watermarking Technique</p> <p>Funded by TEQIP-II - 2.83 Lakhs BVUCOE - 17 Lakhs</p>

Professional Memberships	1. ISTE (Life membership)
WorkShop/ Seminar/Conference attended	<ul style="list-style-type: none"> • Workshop on NBA Accreditation, BVUCOE,Pune, Sept.2013 • Workshop on NBA accreditation, AISSMS, IOIT, Pune, Aug. 2014. • Workshop on Women Empowerment, BVUCOE, Pune, 2014. • Workshop on Virtual labs, BVUCOE, Pune, August 2015. • Workshop on ‘Image Processing’, BVUCOE, Pune, Feb.. 2015. • Workshop on ‘High Impact teaching skills’, 29th and 30th Sept 2015. • FDP on ‘Internet of Things’, 28th Nov to 2nd Dec. 2016, DYPCOE, Akurdi. • STTP on ‘Developing Interpersonal skills & effective communication’, 2nd Jan -7th Jan 2017, SPCOE, Mumbai. • FDP on ‘Artificial Intelligence and Machine Learning’ , 15-17 May 2018, BVUCOE, Pune.
Achievements	Cambridge University Teachers Training Certification
Extra Activities	<ul style="list-style-type: none"> • Executive council member, Alumni Association. • Nodal coordinator, Virtual Labs Nodal Center, BVUCOE, Pune