

STAFF PROFILE



Dr. Sangeeta Dhananjay Jadhav

Professor

Information Technology

hodit@aitpune.edu.in

Educational Details

Qualification	Degree	University	Grade	Year
SSC		Maharashtra board	83	1985
HSC		Maharashtra board	84	1987
Graduation	BE(Electronics)	Pune University	72.33	1992
PG	M(Electronics & Telecommunication)	Pune University	61	1999
Doctrol	Ph D(Electronics)	BAMU	A	2012

Experience Details

Type	Duration	Designation/ Organisation Name	Brief Job Profile
Educational	Oct 1992-Dec 1996	Lecturer DY Patil College of Engg,Pune	Taught various subjects like Microprocessor based systems, Process Instrumentation, Linear Integrated Circuits
Educational	Jan1997-July 2004	Lecturer Army Institute of Technology	Taught various subjects like signal processing, image processing, control systems , power electronics, signals and systems etc
Educational	July 2004-july 2012	Asst. Professor Army Institute of Technology	Taught various subjects like signal processing, image processing, control systems , power electronics, signals and systems etc
Educational	july 2012-till date	Professor Army Institute of Technology	Taught various subjects like computer organisation and architecture, Digital communication, fundamentals of communication and computer networking, image processing, control systems , power electronics, signals and systems etc

Journal Publications

1. Renuka Bhandari, Sangeeta Jadhav, (2018). [Insight on Blind Channel Estimation of MIMO- OSTBC using Higher Order Statistics with Kalman Filter \(HOS-KF\)](#). *Helix the scientific explorer*. 8(4), 3431-3437 . ISBN/ ISSN No : 2319 – 5592. URL : <http://helix.dnares.in/wp-content/uploads/2018/08/3431-3437.pdf>.
2. Renuka Bhandari, Sangeeta Jadhav, (2018). [Spectral and Power Efficient Blind Channel Estimation Technique for MIMO-OFDM Communications](#). *Jour of Adv Research in Dynamical & Control Systems*. 10(8), 93-106. ISBN/ ISSN No : 1943-023X. URL : <http://www.jardcs.org/abstract.php?archiveid=5401>.
3. Renuka Bhandari, Sangeeta Jadhav, (2018). Spectral Efficient Blind Channel Estimation Technique for MIMO-OFDM Communications . *International Journal of Advances in Applied Sciences*. 7(3), 286-297. ISBN/ ISSN No : ISSN:2252-8814. URL :

- www.iaescore.com/journals/index.php/IJAAS/article/view/13547.
4. Renuka Bhandari, Sangeeta Jadhav, (2018). [Spectral Efficient Blind Channel Estimation Technique for MIMO-OFDM Communications](#) . *Journal of Advanced Research in Dynamical and Control Systems*. 10 (12), 771-785. ISBN/ ISSN No : 1943-023X. URL : <http://www.jardcs.org/abstract.php?archiveid=5536>.
 5. Renuka Bhandari, Sangeeta Jadhav, (2018). [Novel Spectral Efficient Technique for MIMO-OFDM Channel Estimation with Reference to PAPR and BER Analysis](#). *Wireless Personal Communications*. in press(in press), DOI 10.1007/s11277-018-6077-7. ISBN/ ISSN No : 1572-834X. URL : <https://www.springerprofessional.de/en/novel-spectral-efficient-technique-for-mimo-ofdm-channel-estimati/16253782>.
 6. Renuka Bhandari, (2017). [1. Blind Channel Estimation using Novel Independent Component Analysis with Pulse Shaping for Interference Cancellation](#). *Springer's series -Studies in Computational Intelligence*. 722(1), 45-56. ISBN/ ISSN No : 1860-949X. URL : https://link.springer.com/chapter/10.1007/978-3-319-61388-8_3.
 7. Renuka Bhandari, Sangeeta Jadhav, (2017). [Blind Channel Estimation using Novel Independent Component Analysis with Pulse Shaping for Interference Cancellation](#). *Springer's series -Studies in Computational Intelligence*. 722(1), 45-56. ISBN/ ISSN No : 1860-949X. URL : https://link.springer.com/chapter/10.1007/978-3-319-61388-8_3.
 8. Dr. Sangeeta Jadhav, (2013). A Review of BSS Based Digital Image Watermarking and Extraction Methods. *IOSR Journal of Electronics and Communication Engg.*. Vol 5(06), 41-45. ISBN/ ISSN No : ISSN- 2278-8375. URL : www.iosrjournals.org/ccount/click.php?id=4283.
 9. Sangeeta Jadhav, Dr. Anjali Bhalchandra, (2011). Insight on Using Non-Evolutionary Optimization Method to Estimate Mixing Matrix for BSS Based Digital Image Watermarking. *International Journal on Graphics , Vision and Image Processing(GVIP)*. 11(1), 21-27. ISBN/ ISSN No : ISSN 1687- 398X(print). URL : www.icgst.com/gvip/Volume11/Issue1/P1151043322.html.
 10. Sangeeta Jadhav, Dr. Anjali Bhalchandra, (2010). [Robust Digital Image-Adaptive Watermarking Using Wavelet Domain Embedding and BSS based Extraction Technique](#). *International Journal of Engineering Research and Industrial Applications(IJERIA)*. Vol.3,No.(II), 83-97. ISBN/ ISSN No : ISSN 0974-1518,. URL : <http://www.ascent-journals.com/IJERIA/Vol3No2/Paper-6.pdf>.
 11. Sangeeta Jadhav, Dr. Anjali Bhalchandra, (2010). Robust Digital Image-Adaptive Watermarking Using BSS Based Extraction Technique. *International Journal of Image Processing(IJIP)*. Vol.(4)(1), 77-88. ISBN/ ISSN No : ISSN 1985-2304. URL : www.cscjournals.org/csc/manuscriptinfo.php?ManuscriptCode=72....

Conference Publications

1. Sangeeta Jadhav, Renuka Bhandari, (2017). [Blind Channel Estimation using Novel Independent Component Analysis with Pulse Shaping for Interference Cancellation](#). *15 th International Conference on Software Engineering Research, Management and Application (SERA 2017)*. -(), 45-56. ISBN/ ISSN No : ISBN 1860-949X .
2. Renuka Bhandari, Sangeeta Jadhav, (2015). [A literature Review on BSS Approaches for MIMO -OFDM Communication](#). *International Conference, ICCUBEA (IEEE sponsored)*. 10.1109/ICCUBEA.201(NA), 238-241. ISBN/ ISSN No : 978-1-4799-6892-3 .
3. Dr. Sangeeta D. Jadhav, (2013). [Digital Color Image Watermarking System Using Blind Source Separation](#). *International conference on digital image processing-2013*. -(), 109-116. ISBN/ ISSN No : 10.5121/csit.2013.3911.
4. Sangeeta Jadhav, Anjali Bhalchandra, (2010). Blind Source Separation Based Robust Digital Image Watermarking Using Wavelet Domain Embedding. *International conferences on Cybernetics & Intelligent Systems (CIS) & Robotics, Automation and Mechatronics (RAM)*. -(), 12-13. ISBN/ ISSN No : ISBN: 978 -1-4244-6506-4.
5. Sangeeta D. Jadhav, Dr. Anjali Bhalchandra, (2009). Digital Color Image – Adaptive Watermarking Using Blind Source Separation. *International Conference on Advances in Computer Vision and Information Technology*. --(--), 193-201. ISBN/ ISSN No : ISBN-13: 9789380026954.
6. Sangeeta D. Jadhav, Dr. Anjali Bhalchandra, (2009). Digital Color Image Watermarking by Means of Blind Source Separation. *International Conference on Control, Automation, Communication and Energy Conservation-2009(INCACEC-09)*. -(), 163-166. ISBN/ ISSN No : ISBN 978-81- 8424-439-7.
7. Sangeeta Jadhav, Dr. Anjali Bhalchandra, (2009). Blind Source Separation Based Digital Color Image – Adaptive Watermarking. *Fifth International Conference on Image and Graphics,(ICIG) Xian,China*. -(), 13-17. ISBN/ ISSN No : ISBN : 978-0-7695-3883-9,.
8. Sangeeta D. Jadhav, Dr. Anjali Bhalchandra, (2008). 1Blind Source Separation: Trends of New Age - A Review. *International Conference on Wireless, Mobile and Multimedia Networks*. -(), 251-254. ISBN/ ISSN No : ISBN: 978 0 86341 887 7.

Book Chapters

1. renuka bhandari, sangeeta jadhav, (2017). [Blind Channel Estimation Using Novel Independent Component Analysis with Pulse Shaping for Interference Cancellation](#). *Software Engineering Research, Management and Applications*. Springer, Cham. ISBN/ ISSN No : 978-3-319-61388-8.

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1. RenukaBhandari, Sangeeta Jadhav, (2018). L -76176/2018. [Investigation of Blind Source Separation Approaches for MIMO communication Sytems](#). 21/06/2018, India.

Conference

1. International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2016) (Attended), Insight on Symmetrical Posture Detection of Human Using SIFT", 2017, Bhubaneshwar,Odisha,India
2. Session chair for National conference NCETCET-2017 (Attended), NCETCET-2017 , 2017, MIT college,Pune

Guest Lecture

1. "Upcoming Languages and Technologies" (Organized), Guest Lecture, 2017, IT Dept-AIT

Workshop

1. Foundation Program in ICT for Education-Pedagogy for Online and Blended Teaching – Learning Process (Attended), Two weeks FDP by IIT Bombay, 2018, AIT- RC center
2. Machine Learning and Deep Learning (Organized), One week STTP, 2017, AIT
3. Linux Kernel Programming (Organized), Workshop for students, 2017, IT Dept-AIT
4. Attended One day workshop on "Training programme on sexual harassment of women at workplace" (Attended), Training programme on sexual harassment of women at workplace, 2017, SPPU
5. One day FDP on Syllabus revision on "Foundations of Communication and Computer Network" (Attended), Syllabus revision on "Foundations of Communication and Computer Network", 2016, DY Patil college ,Akurdi,Pune

Research Grants

Title Of Project	Funding Agency	Duration		Sanctioned Amount	Role of Investigator
Navigation System Using Optical Flow Detection Technique for Visually Impaired	BCUD	01/07/2014	01/07/2016	85000.00	Co-Investigator

Consultancy

Title Of Project	Funding Agency	Duration	Sanctioned Amount	Investigator Role
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Professional Memberships

Society	Membership No	Duration	
ISTE	LM 19821	01/06/1994	01/05/2030
IETE	F-233930	01/06/2012	01/05/2030
IEEE	IEEE- 90436726	01/01/2018	31/12/2018

No of PhD Students Guided :

5

No of PG Students Guided :

0