

**Name:**

Dr. Madhavi Hemant Belsare

**Designation:**

Assistant Professor

**Contact Details:**

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**Educational Qualifications:**

- Ph. D. (E & TC), Savitribai Phule Pune University, November 2019
- M.E. (E & TC), University of Pune, Pune, May 2001
- B.E. (E & TC), University of Pune, Pune, June 1995
- D.E.R.E., CWIT, Pune, May 1991

**Experience:**

- Industrial: 6 months
- Teaching: 27 Years

**Research Interests:**

- - Wireless Communication

**Number of Publications: 18**

International Journal: 7

National Journal: 1

International Conference: 2

National Journals - 1

National Conference: 7

**Recognition/ Awards:**

- Received recognition as Best Practitioner by Mission 10X, Wipro in 2012 along with completion of Advanced Workshop

- Reviewed a book entitled “Electronic Communication System” by Kennedy and Davis, Fourth Edition, TMH.
- Worked as paper reviewer for IEEE International Conference on “Information Processing” organized by the department of Electronics Engineering, Vishwakarma Institute of Technology, Pune during November- December 2015
- Worked as paper reviewer for International Journal of Wireless Personal Communication by Springer publication in December 2016

### **Professional Society Memberships:**

- **ISTE---Life time membership number: LM29634**

**Number of FDPs / STTPs organized: 01**

**Number of Workshops organized: 01**

**Number of Conferences / Seminars organized: 03**

**Number of FDPs / STTPs attended: 13**

**Number of Workshops attended: 02**

**Number of Conferences / Seminars attended: 10**

**Number of Online Certification Courses done: 01**

**Number of Webinar attended: 10**

**Number of times served as a Resource Person: 02**

**Number of times served as a Reviewer / Judge: 03**

### **Details of Research papers published:**

- Dr. Pradeep B. Mane, Mrs. Madhavi H. Belsare, “Evaluation of Space Time Block Coded Spatial Modulation, Vertical-BLAST and Diagonal-BLAST Space Time Block Code,” International Journal of computer Networks and Wireless Communication, vol. 2, No. 4, August 2012, pp. 444–449.
- Mrs. Madhavi Belsare, Chandrahas Soman, Madhur Surve, Dr. P. B. Mane, “Implementation of Multiple Input Multiple Output System Prototype Model in Different Environment” , International Journal of Advanced Research in Electronics and Communication Engineering Vol. 4, Issue 3, March 2015, pp 504-508.
- Madhavi H. Belsare, Dr. Pradeep B. Mane, “BER Performance Evaluation of 2X2, 3X3 and 4X4 Uncoded and Coded Space Time Block Coded (STBC) MIMO System Concatenated with MPSK in Rayleigh Channel”, International

Journal of Applied Engineering Research Vol 13, Number 1 (2018) pp. 113-117.

- M. H. Belsare, Dr. P.B. Mane, "Performance Analysis of Uncoded and Coded 4XN Space Time Block Coded MIMO System Concatenated with MQAM in Rayleigh Channel", International Journal of Engineering & Technology, vol 7, Issue 3.13 (2018), pp 193-195.
- Madhavi Belsare, Dr. Pradeep Mane, "Performance Analysis of Space Time Block Coded MIMO System Concatenated With M-PSK And M-QAM In Different Channels," IEEE International Conference on Computing Communication Control and Automation, August 2018.
- Madhavi H. Belsare, Dr. Pradeep B. Mane, "BER Performance Evaluation of Turbo Coded MIMO System in Nakagami Channel", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12, October 2019
- Dr. Pradeep B. Mane, Mrs. Madhavi H. Belsare "Evaluation of the Performance of a Reed Solomon Coded STBC MIMO System Concatenated with MPSK and MQAM in Different Channels", International Journal of Sensors, Wireless Communications and Control, 2020, 10, 153-163

#### **Details of FDPs / STTPs attended in last 5 years:**

- Attended the "Faculty Orientation Workshop on TE (E&TC) Revised Syllabus 2019 Course" under the aegis of Board of Studies (E &TC/Electronics), Savitribai Phule Pune University for the subject Cellular Networks in January 2022
- Attended and Worked as a resource person for the "Faculty Orientation Workshop on TE (E&TC) Revised Syllabus 2019 Course" under the aegis of Board of Studies (E &TC/Electronics), Savitribai Phule Pune University for the subject Digital Communication in July 2021
- Attended One week Faculty Development Program on "Interactive Teaching Learning Strategies with Affective & Cognitive Approach (ITLS)" organized by Department of Electronics and Telecommunication Engineering at PVG's COET & GKPIM, Pune from 21st to 25th June 2021.
- Organized and attended Three Days National Level FDP on 'Outcome Based Education' under IQAC as FDP Coordinator 6th Oct to 8th October 2020.
- Attended one week of online AICTE Sponsored STTP on "Energy Efficient Techniques for 5G Wireless Communications", organized by Department of Electronics and Telecommunication Engineering, Under LabVIEW academy, Pune Institute of Computer Technology, Pune during 17th August to 22nd August 2020.

- Attended FDP on Recent Advances in Biomedical Applications and Communication Networks - 2020 organized by Department of ECE, GMR Institute of Technology, Rajam, AP, India from 13th July to 18th July 2020.
- Attended FDP on 'Internet of Things' organized by National Institute of Technology, Karnataka, Surathkal from 16th July to 18th July 2020.
- Attended FDP on Scilab organized by Dept of E &TC, PVG's COET, from 18th May to 22nd May 2020
- Attended FDP on Linux by Dept of E &TC, PVG's COET, from 25th MAY to 29th May 2020
- Participated in FDP on "Promoting Quality Culture in Technical Institutions" from 25<sup>th</sup> may to 29<sup>th</sup> May 2020, Organized under PARAMARSH scheme by IQAC Cell of AISSMS College of Engineering, Pune
- Attended Faculty Orientation Workshop on "Computer Networks and Security" BE(E&TC) Revised Syllabus (2015 course) under the Aegis of BOS E&TC, University of Pune. on 9th July 2018 at International Institute of Information Technology
- Attended ISTE workshop "Refresher Programme On "Recent Trends in Mems, Power Sources and Electronic Packaging" organized by AISSMS IOIT, Pune in June 2018
- Attended a half day workshop on "Research Orientation" at PVG's COET, Pune on 5th August 2017

### **Major Portfolios Handled: (college level and department level)**

- NAAC Criteria 1 Coordinator at college level 2023-24
- College level portfolio of Library In Charge since 2020-21
- College level portfolio of Ph. D. Coordinator for AY 2020-21
- College Level Coordinator of cultural events like Orchestra and Variety in Annual Social Gathering Tarang 2020
- College Level Cr 5 AQAR coordinator
- College Level NIRF Coordinator
- Department level IQAC coordinator
- NBA file coordinator in 2019
- NAAC file coordinator of department in 2018
- Exam Coordinator from AY 2014-15 to AY 2019-20
- Project Coordinator for AY 2012-13, 2013-14
- Vidyarthi Manch convenor for AY 2009-10 and 10-11

- TESA coordinator for AY 2009-10, 10-11, 11-12

### **Role in University Bodies....**

Member LIC Committee, SPPU

### **Any other information which is not covered in above points:**

- Organized session on “Memory Techniques” by Mr. Amarendra Chitale, Master NLP Trainer, Founder & President, Asian Association of Psychology and Agileneuro on 6.12.2023
- Worked as In-charge of Criteria 10-Organisation, Governance and Transparency during the visit of NBA Experts Team on June 17, 2022.
- Organized International Conference on Gender Equality and Women Empowerment (ICGEWE 2022) on 8th and 9th March 2022 as a coordinator
- Delivered a session ‘Thoughts for Happy Life’ organized by Women Empowerment Cell and Nirbhaya Kanya Abhiyan on 27th November 2021
- organized webinar on “Resume Building’ by Mr. Aditya Nilegaonkar and Mr. Nikhil Suryawanshi under IQAC and Dept of E &TC on 3<sup>rd</sup> October 2020
- Delivered Webinar on ‘How to Write a Paper’ on 9<sup>th</sup> April 2020
- Organized ‘**A stress management session by Dr. Jyotsna Gundecha**’ for Department of E & TC, PVG’s COET, Pune on 27th December 2019.
- Organized the event on ‘**Marathi Bhasha Gaurav Din: Dekhani hi Paule by Adv Pramod Adkar**’ on 27th February 2020
- Worked as a resource person for the “Faculty Orientation Workshop on TE (E&TC) Revised Syllabus 2019 Course” under the aegis of Board of Studies (E &TC/Electronics), Savitribai Phule Pune University for the subject Digital Communication