



SHRI TULJABHAVANI TEMPLE TRUST'S  
**SHRI TULJABHAVANI COLLEGE OF ENGINEERING,**  
TULJAPUR – 413 601 DIST. OSMANABAD  
(Approved by AICTE and Affiliated to DBATU, Lonere, Dist.: Raigad)  
**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**



### Faculty Profile

**Name:** Mr. Vijaykumar Maruti Mhalgi  
**Designation:** Assistant Professor  
**Contact Information:** E-mail Id: vmm.stbcet@gmail.com  
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#### **Educational Background:**

- M.E. (Electronics & Telecommunication Engg.) from Shivaji University, Kolhapur.
- B.E. (Electronics & Telecommunication Engineering) from Dr. B.A.M.U. Aurangabad

#### **Professional Experience:**

##### **Teaching**

- Presently working as an Asst. Prof. in Shri Tulja Bhavani College of Engineering, Tuljapur. Since 04-06-2007 to till Date

##### **Industry:**

- Worked as service Engg at LG mobile authorised servicing center pune 19-8-2006 to 3-06-2006

#### **Publications [Publication title, journal, year] (Journal ):**

- V M Mhalgi & A.N. Jadhav , “Wireless Communication Using Adaptive Smart Antenna System, vol 1, Issue 3 ”,*International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181, Volume 1, Issue 3, May 2012.
- V. M. Mhalgi “Evaluation of PM and MUSIC DOA Estimation for Smart Antenna”,*International Journal of Engineering, Economics & Management (IJEEM)*, ISSN 2319 – 7927, Volume 1, Issue 1, September 2012.

- V M Mhalgi , “Performance Analysis of PM DOA Estimation Algorithm for Smart Antenna ”, *International Organization of Scientific Research (IOSR)*, ISSN (Online): 2278 – 8727 ISSN Volume 6, Issue 1, Feb. 2013.
- V M Mhalgi, “Performance evaluation of DOA Estimation Using PM and MUSIC”, *International Journal of Innovative Research in Technology (IJIRT )*, ISSN: : 2349-6002, Volume 1, Issue 3, 2018-2019
- V M Mhalgi, “Direction of Arrival Estimation Using a Propagator Method for statistical Scenario” *International Journal of Current Engineering And Scientific Research (IJCESR)* ISSN: : ISSN 2394-0697, Volume 1, Issue 3, 2020
- V M Mhalgi “Trip share with Advanced Technology” *International Research Journal of Engineering and Technology (IRJET)* ISSN:2395-0056 volume 11 Issue 12 december 2024

**Publications in conferences (give details):**

- V M Mhalgi & A.N.Jadhav, “Smart Antenna Technology for Wireless Communication”, *National Conference on Emerging Trends in Engineering, Technology PDVKPI College of Engineering Ahmednagar, Maharashtra, Feb2011*
- V M Mhalgi & A.N.Jadhav, “Smart Antenna Tech: Introduction to LMS & SMI Adaptive Beamforming Algorithm ”, *National Conference at IIT Pune, Maharashtra, March 2011*
- V M Mhalgi “Adaptive beam forming for smart antenna system” *National conference, PRECOE Loni, 6-7 April 2011*
- V M Mhalgi & A.N.Jadhav, “Smart Antenna system using PM & LMS Algorithm ”, *International conference at SSM College of Engg Komarapalayam Tamilnadu , sep 2011*
- V M Mhalgi & A.N.Jadhav, “Performance Evaluation of Direction of Arrival Estimation and Beamforming for smart antenna system ” *National Conference on Emerging Trends in Engineering, Technology & Architecture, D.Y. Patil College of Engineering & Technology, Kasaba Bawada Kolhapur, Maharashtra, ISBN:978-81-920561-2-8, Volume 1, March2012.*

- V M Mhalgi & A.N.Jadhav”Direction of Arrival Estimation and beamforming for Smart Antenna” *International conference new Development and Challenges in Engineering, Technology and Management ,Yadavrao Tasgaonkar Group of Institute Navi Mumbai March-2012 Maharashtra*
- V M Mhalgi & S.E. Hajare ”Implementation of Butler Matrix for Smart Antenna System” *International conference new Development and Challenges in Engineering, Technology and Management ,Yadavrao Tasgaonkar Group of Institute Navi Mumbai March-2012 Maharashtra*
- V M Mhalgi & A.N.Jadhav, “Performance Analysis of PM Direction of Arrival Estimation for smart antenna system ” *International Conference on Emerging Trends in Engineering, Dr. J. J. Magdum College of Engineering, Jaysingpur, on Feb 2013, IOSR-JECE, ISSN:2278-2834, ISBN: 2278-8735, PP24-28.*

**Course/ Seminar/Workshop/FDP Attended:**

<b>Title /Name of Course Seminar/Workshop/FDP</b>	<b>Organizer Details</b>	<b>Date</b>
1 )Workshop on “MEMS Technology and Application”	CCOE For Women Pune Maharashtra	22 -24 Jan2009
2) One week Workshop by Wipro on “Mission 10X”	STBCET Tuljapur Maharashtra	14-18 Dec 2009
3) One week Workshop on”Recent Trends in Wireless Communication and Networking”	DYPCET Kolhapur Maharashtra	13- 18 Feb 2012
4) One Week TEQIP sponsored FDP on “Statistical Inference and Linear Algebra”	Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded	16-21 Dec 2013
5) One Week TEQIP sponsored FDP on “Winter School on Biometrics for secured authentication: Fundamentals and Advances”	Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded	23-27 Dec 2013

6) Two Week AICTE Sponsored FDP on "Moral Values and ethics For Engineering Teachers"	Prof Ram Meghe Institute of Technology & Research Badnera - Amravati	11-20 Nov 2019
7) One Week TEQIP Sponsored FDP on "Signal, Image & Video Processing: A Practical Approach (SIVAPPA- 2020)"	Government College of Engineering Karad	26-30 May 2020
8) One Week TEQIP Sponsored FDP "Next Generation software tools & Trends for Industrial solution: Current Practices"	Government College of Engineering Aurangabad	13 -17 Jun 2020
9) One Week TEQIP Sponsored FDP "Challenges and Opportunities in Recent Emerging Technologies"	Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded	06-10 July 2020
10) one week TEQIP Sponsored FDP "Algorithms and Techniques for Signal Processing"	College of Engineering, Pune (COEP)	14-18 July 2020
11) one week TEQIP Sponsored FDP "Pedagogical Techniques in Electronics and Electrical Engineering"	Walchand College of Engineering, Sangli	10-14 Aug 2020
12) one week AICTE Sponsored FDP "Computer Networking"	"Bharati Vidyapeeth Pune (India)"	24-29 Aug. 2020
13) one week AICTE Sponsored FDP "Teaching Learning Pedagogies"	A G Patil Polytechnique solapur	7-12 Sep. 2020
14) one week AICTE Sponsored FDP on "Computer Networking & Network Security"	Bharati Vidyapeeth Pune (India)	21-26 Sept. 2020
15) one week AICTE Sponsored FDP on "Advances in Biomedical Signal Processing with Hands-on"	Cummins College of Engineering for Women Karvenagar, Pune – 411052.	05-10 Oct 2020
16) one week TEQIP Sponsored FDP "Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development"	Bipin Tripathi Kumaon Institute of Technology Dwarahat Almora -263653, India	26 Oct - 7 Nov. 2020

17) one week AICTE Sponsored FDP on "Machine Learning and Computer Vision"	Tripura Institute of Technology Agartala Tripura India.	11-16 April 2022
18) one week AICTE Sponsored FDP on "Cloud Infrastructure"	HINDI SEVA MANDAL'S SHRI SANT GADGE BABA COLLEGE OF ENGINEERING AND TECHNOLOGY, BHUSAWAL, MAHARASHTRA	21-25 Aug 2023
19) one week ISTE Sponsored FDP on "Battery Management System for Electric Vehicles Systems"	Sinhgad College of Engineering, Pune, Maharashtra.	9- 14Oct 2023
20) one week AICTE Sponsored FDP on "International Level Student Workshop - 2k24 On Data Science using Python"	HINDI SEVA MANDAL'S SHRI SANT GADGE BABA COLLEGE OF ENGINEERING AND TECHNOLOGY, BHUSAWAL, MAHARASHTRA	19-23 Feb 2024

**Courses/Subject Taught:**

DM, DAA, DBS, ML, OS, EIM, CS, CF, AIC, DE, SS, NA, VLSI, DSP, ADSP,

**Awards and honors:**

**Association with Professional Bodies:**

- Life member ISTE

**Personal information:**

Date of Birth: 25-06-1985

Address: Tuljai Nagar Tuljapur 413601.

Languages Known: English, Marathi, Hindi

**Mr. V. M . Mhalgi**  
**Asst. Prof.**

**S.T.B. College of Engineering, Tuljapur**