



Shree Tulja Bhavani Temple Trust's
**Shri Tulja Bhavani College of
Engineering, Tuljapur**



Department of Electronics and Telecommunication Engineering

Faculty Profile

Name Dr. Dhananjay D. Khumane

Designation Assistant Professor

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Contact No. 9421956393



Educational Qualification

1. Ph.D. (Electronics Engineering) from Dr. B.A.M.U. Aurangabad
2. M.E. (Electronics and Telecommunication Engineering) from Shivaji University, Kolhapur
3. B.E. (Electronics Engineering) from Dr. B.A.M.U. Aurangabad

Professional Experience **Shri Tulja Bhavani College of Engineering, Tuljapur**

Assistant Professor (E & TC) 16/10/2006 to till date.

Government Polytechnic, Osmanabad

Lecturer on Contract Basis (full time) 30/10/2003 to 22/10/2005

Lecturer on Contract Basis (full time) 27/10/2005 to 15/10/2006

Total Experience : **17 Years**

Responsibility Handled:

1. Worked as an Understudy for Dr. B.A.M.U. Aurangabad exam (Dec 2006, Dec 2008)
2. Worked as a Master Trainer in Assembly Election, Lok Sabha Election, Gram Panchayat Election and Municipal Council Election from 2009.
3. Worked as a member for FE and DSE Admission committee from 2007.

4. Worked as a member for Shakambhari Navratra Mahotsava 2009-10.
5. Worked as a trainer and examiner for computer training programme to Revenue Department 18/07/2010.
6. Worked as a member in AICTE Committee(2009-10,2011-12).
7. Worked as a Seminar coordinator.
8. Worked as a reviewer for clerical exam of Revenue Department, Maharashtra State on 30/01/2011.
9. Worked as a Paper Setter, Evaluator and Invigilator for Dr. B.A.M.U. Aurangabad.
10. Worked as a subject expert for the port of Electronics Mechanic at Government ITI, Tuljapur on 31/08/2012.
11. Worked as a member for anti ragging squad committee for the A.Y. 2012-13.
12. Worked as a member in scrutiny committee for the selection of teaching posts (22.12.2012,20/02/2013)
13. Worked as a member in selection committee for college level non teaching post.
14. Worked as a committee member for the proposal of Second Shift Polytechnic.
15. Worked as a Officer In-charge for the MSBTE exam (W-2013).
16. Organized blood donation camp at college level.
17. Worked as a vice chairman for Shift Polytechnic Affiliation committee (2014-15)
18. Worked as a member for Gymkhana Committee.
19. Worked as a external examiner at Karmaveer Lohokare Guruji Industrial Training Centre, Goudgaon on 22nd and 23rd Jan 2018.
20. Worked as an In-charge for First Year Engineering Admission Facilitation Centre (2015-16, 2016-17, 2017-18, and 2018-19).
21. Handled responsibility of Facilitation Center (FC) in-charge since from academic year 2015.
22. Worked as a convener for technical symposium since from academic year 2017-2018.
23. Worked as a Coordinator for Avishkar-2019.

Course/ Seminar/Workshop/FDP Attended:

1. One week faculty development programme on “Mission 10X” at S.T.B. College of Engineering, Tuljapur
2. One week faculty development programme on “Research Methodology: Tools and Techniques” at S.G.G.S. Institute of Engineering & Technology , Nanded
3. One week faculty development programme on “FEA and CFD” for Engineers at S.G.G.S. Institute of Engineering & Technology , Nanded.
4. Two week faculty development programme on “Network Security” at Prof. R.M. Institute of Technology and Research, Badnera, Amravati.
5. Two week faculty development programme on “Recent Trends & Research Challenges in Wireless Networks” at Government College of Engineering, Bargur (T.N.).
6. One week faculty development programme on “Next Generation Software Tools and Trends for Industrial Solution: Current practices [NGST-2020]” at Government College of Engineering, Aurangabad.
7. Two week faculty development programme on “” at Vidyavardhini’s College of Engineering & Technology, Vasai
8. Two week faculty development programme on “Automatus 2020 – Make Automation Yours” at Vidyavardhini’s College of Engineering & Technology, Vasai
9. One week faculty development programme on “Signal Image and Video Processing: A Practical Approach (SIVPAPA-2020)” at Government College of Engineering, Karad.

Guest Lecture / Workshop / Seminar Delivered/Conducted:

1. Workshop conducted on “eSim” at Government Polytechnic, Osmanabad on 23rd Jan 2020.
2. Guest Lecture on “Recent Trends in Engineering” at CSMSS’s College of Polytechnic, Aurangabad on 25th Jan 2020.
3. Workshop conducted on “eSim” at Government Polytechnic, Beed on 01st Feb 2020.
4. Workshop conducted on “eSim” at Yeshwantrao Chavan Institute of Polytechnic, Beed on 02nd Feb 2020.
5. Webinar organized on “Electronics Smart City”, on 19th June 2020.
6. Webinar organized on “Designing on IOT System”, on 15th June 2020.
7. Webinar organized on “Digital Disruptions Leading to Innovations in Business models”, on 13th June 2020.
8. Open quiz conducted on “Fundamentals of Electronics and Computer Science”.

Publication Details (Journal/Conference)

1. D. D. Khumane & Dr. S. M. Jagade, "Direction of Arrival Estimation and Beamforming for Eigenvalue & Non Eigenvalue Decomposition in Dynamic Scenario", *paper communicated to International Conference on Science, Engineering & Technology [ICSET], Phuket, Thailand, 22nd & 23rd August 2019.*
2. D. D. Khumane & Dr. S. M. Jagade, "Performance Evaluation of DMUSIC & DPM For Dynamic Environment", *Journal of Applied Science and Computations, Volume VI, Issue I, January-2019, pp.1475-1479, [UGC Approved Journal No. 41238, ISSN – 10765131, Impact Factor – 5.8]*.
3. D. D. Khumane & Dr. S. M. Jagade, "Direction of Arrival Estimation using a Dynamic-MUSIC Algorithm", *International Journal of Information and Computing Science, Volume 6, Issue 1, January 2019, pp.64-68, [UGC Approved, Journal No. 22940, ISSN – 09721347, Impact Factor – 5.2]*.
4. D. D. Khumane & Dr. S. M. Jagade, "DOA Estimation in Dynamic Environment using DMUSIC & DPM Algorithms", *International Journal of Computer Sciences and Engineering, Vol.7, Issue.1, pp.699-702, 2019, [UGC Approved Journal No. 63193, ISSN – 23472693, Impact Factor – 3.02]*.
5. D. D. Khumane & Dr. S. M. Jagade, "DOA Estimation using Non-eigen Decomposition and Beamforming in Dynamic Condition", *International Journal of Advanced Scientific Research and Management, Vol. 4 Issue 2, Feb 2019, pp. 250 – 253, [UGC Approved Journal No. 63502, ISSN – 24556378, Impact Factor – 3.655]*
6. D.D. Khumane et al, "Wireless Communication using Adaptive Smart Antenna System", *International Journal of Engineering Research and Technology, Vol. 1 (02), 2012, ISSN-2278-0181.*
7. D.D. Khumane et al. "Implementation of Butler Matrix for a Switched Beam Smart Antenna", *International Conference New Development & Challenges in Engineering Technology & Management, Y.T.G.I. Karjat, Navi Mumbai. 22 March 2012, ISSN-2277-4726.*

8. D.D. Khumane, "Dynamic Analysis for Direction of Arrival Estimation and Adaptive Beamforming for Smart Antenna", *International Journal of Electronics and Communication Engineering*, ISSN 0974-2166, Vol.4 Number-4 (2011) pp. 415-423.
9. A.N. Jadhav & D.D. Khumane, "Analytical study on DOA Estimation and an Adaptive beamforming for SA System". *National Conference, D.Y. Patil College of Engineering & Technology Kolhapur, 28th & 29th Jan 2011.*
10. D.D. Khumane & A.N. Jadhav "Smart Antenna: Direction of Arrival Estimation & Adaptive Beamforming", IC on Sunrise Tech., B.S.D.C.O.E., Dhule, 13-15 Jan 2011.
11. D.D. Khumane and A.N. Jadhav, "Direction of Arrival Estimation and Beamforming using MUSIC and LMS Algorithm for Smart Antenna System", *IC on Mobile Internet Devices, G.R. Institute of Engineering and Technology, Hyderabad, 17-18 Dec 2010.*
12. D.D. Khumane et.al. "Direction of Arrival Estimation and Null Steering for Smart Antenna", *IC on System Dynamics and Control, Manipal Institute of Tech. Manipal, 19-22 Aug, 2010.*
13. D.D. Khumane & A.N. Jadhav, "An Overview on DOA Estimation and Null Steering for Smart Antenna System", *International Conference on Emerging Trends in Engineering, Dr. J.J. M. C.O.E. Jaysingpur, 20-21 Feb 2010.*
14. D.D. Khumane et.al. , "An Image Compression Interpolated BTC Coding By Median Filtering", *National Conference, Jawaharlal Nehru Engineering College, Aurangabad, 08th & 09th Jan 2009.*
15. S.B. Dhoot & D.D. Khumane, "An Image Compression Scheme Based on Absolute Moment Block Truncation Coding," *National Conference, College of Engineering Osmanabad, 21st & 22nd Feb 2008*
16. D.D. Khumane et.al, "Optical Fiber Tx Network", National conference, Government College of Engineering Aurangabad, 23rd & 24th Jan 2006.

No of Projects Supervised:

Diploma – **03**

UG – **09**.

Association with Professional Bodies

Life member of Indian Society for Technical Education (ISTE), New Delhi, LM-61317.

Dr. Dhananjay D. Khumane
Assistant Professor (E & TC)
S.T.B. College of Engineering, Tuljapur