

Faculty Profile

Brief Profile (Few Paragraphs)

Faculty Photo

Personal Information

- **Name:** T P Mithun
- **Designation:** Assistant Professor
- **Department:** Electronics & Telecommunication Engineering
- **Email:** mithuntp@rvce.edu.in
- **Phone:** 080-68188214

Google Scholar: chhzJG4AAAAJ / **ResearchGate:** O-6335-2016 / **ORCID:**0000-0002-9503-8807/**Scopus** 57215549539

Domain of Expertise

Research Focus

- **Primary Area:** Embedded System, Antenna, Quantum Communication
- **Allied Areas:**
 - Wide/Ultra wide band Antenna
 - Quantum Key distribution

Academic Qualifications

- **M.Tech:** Digital Communication & Networking, VTU, 2007
- **B.E.:** Electronics & Communication, Bengaluru University, 2000

Publications & Patents

Patents [Granted]

1. METHOD AND DEVICE FOR TRACKING AN OBJECT, 472488, 2023.

Journal Publications

1. A Paper on “Understanding Software Upgrade and Downgrade Processes in Data Centers”, presented in 2022 IEEE 3rd Global Conference for Advancement in Technology, GCAT 2022, presented by Nag, S.R.J., Mithun, T.P.
2. Mithun T P, Sreelakshmi K, “Design of Multiband Antenna Using DGS for UWB Application”, Journal of Emerging Technologies and Innovative Research, Volume 10, Issue 12, Pp 337-341 December 2023

3. Mithun T P Vijayaraghavan R, Hrishi S Kakol, "Design and Development of Motion Based Continuous Sign Language Detection", Journal International Research Journal of Engineering and Technology Volume 10, Issue 8, Pages 563-566,2023
4. Viresh Badiger¹ Jeevan Kumar, Prof. T.P.Mithun ,K Sreelakshmi, "Design and Simulation of Circular Patch Antenna for Different Substrates & Feeding Techniques", Journal International Journal of Advances in Engineering and Management (IJAEM) Volume 2 Issue 3 Pages pp: 67-75, 2021
5. Sumit Kumar, Mardi Srikar, Mr. T.P. Mithun, "Human voice processing to extract MFC Coefficients for early detection of Asthma", International Journal of Engineering Technology Research & Management, ISSN: 2456-9348, Vol-4 Issues 05, pp. 94-97, May 2020.
6. Ramya Keerthi M R¹, T P Mithun² Edge Connectivity Techniques for Image Analysis – A Survey International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 07 Issue: 05 | May 2020
7. Varshitha S., and Mithun T P., "Fundamentals of Printed Circuit Board (PCB)" WHJJ Journal, Volume XVI, Issue VII, July/2020, pp. 173-182
8. Viresh Badiger¹ Jeevan Kumar, Prof. T.P.Mithun, "Design and Simulation of Circular Patch Antenna for Different Substrates & Feeding Techniques" , in International Journal of Advances in Engineering and Management (IJAEM) Volume 2, Issue 3, pp: 67-75.
9. A paper on "systemc model based I2C testing using socket programming" by T.P Mithun, Sudhir Rajput, Rathina Balan Thalaiappan and Tamal saha published in International Journal PARIPEX- Indian journal of research volume 4, issues 5, may 2015, ISSN 22501991
10. A paper on "enhancement of X-ray image: A review" by T.P Mithun Dr. B.G sudarshan and Abilashagouda karigoudar published in International Journal IJCSEITR volume 4 Issue 3, jun 2014, ISSN No: 22497943
11. A paper on "Modified cluster head selection method for DDR routing protocol in wireless sensor network" by T P Mithun, Megharaj Patil published in in International Journal IJETED Issue 4, volume 4 june-july 2014 ISSN No: 22496149
12. A paper on "BER, SNR, PAPR Analysis for Multiple Accesses in LTE" by T P Mithun, Bale Mallikarjun Sidram, M Madhukar published in International Journal of Scientific & Engineering Research, Volume 4, Issue 7, July-2013, ISSN 2229-5518 page 773
13. A paper on "Line Detection in Digital Images: A Modification to Randomized Line Detection Algorithm " by T.P Mithun, Dr. S A Hariprasad Mr. Siddappa Karabannavar published in International Journal of Computer Trends and Technology (IJCTT) – volume 4 Issue 6–June 2013, ISSN: 2231-2803, Page 1756(Impact Factor-4.4)
14. A paper on "An Autonomous Preemption System for Emergency Vehicles" by. T P Mithun, G M Nagaraj and K S Chandan accepted for published in International journal of engineering research and applications
15. A paper on "Performance Evaluation of Distributed Localization Techniques for Mobile Underwater Sensor Networks" by T.P Mithun, Mohan V published in International journal of engineering research and applications journal, vol.2 issue 3 May-June 2012

Conference Papers

1. A Paper on "Understanding Software Upgrade and Downgrade Processes in Data Centers", presented in 2022 IEEE 3rd Global Conference for Advancement in Technology, GCAT 2022, presented by Nag, S.R.J., Mithun, T.P.
2. A Paper on "Design of Monopole CPW-Fed Pentagonal Patch Antenna" Presented in 3rd ICEECOT Conference on 13th and 14th December 2018 at GSSS Mysore. Presented by T.P Mithun and Dr K Sreelakshmi.
3. Prajwal R, Pranav Sharma N, Tejasvi P C, T. P. Mithun and B Roja Reddy, "Implementation of Radar-camera fusion for Efficient Object Detection and Distance Estimation in Autonomous Vehicles" in International Conference on Intelligent and Innovative Technologies in Computing, Electrical and

Electronics (ICIITCEE 2025) is organized and hosted by BNM Institute of Technology, Bengaluru, India on 16 and 17 January 2025.

4. A paper on “Performance Evaluation of Distributed Localization Techniques for Mobile Underwater Sensor Networks” presented in International conference on computer science and information technology held on 19th May 2012 at Bangalore. Presented by T.P Mithun, Mohan V
5. A paper on “Performance Evaluation of Distributed Localization Techniques for Mobile Underwater Sensor Networks” presented in National Conference” connect-12” held on 17th and 18th May 2012 at R.V.C.E Bangalore. Presented by T.P Mithun, Mohan V
6. A paper on “Digital Down Converter using System Generator” presented in National Conference” connect-12” held on 17th and 18th May 2012 at R.V.C.E Bangalore. Presented by T.P Mithun, R Naveen Kumar
7. A paper on “Smart Bus Timer” presented in 3rd National conference on communication networks held on 19th march 2011 at Vidya Academy of science & Technology. Presented by T.P Mithun, D.R Nagaraj, H N Amith and E. Asha.
8. A paper on “Implementation of Automatic Switching of Projector Using Image Processing” presented in National Conference on Artificial Intelligence and Society held on 17 May 2018 at R.V College of Engineering Bangalore. Presented by Nagashree Ganapati Upadhya, Pooja Sathyanarayana Bhat and Prof. T.P.Mithun
9. A paper on “Secure Locking System” presented in National Conference on Communication Standards & Systems held on 17 May 2019 at R.V College of Engineering Bangalore. Presented by Anusha.S, Arun Naik K. S, Bhavya Shree and Prof. T.P.Mithun
10. A paper on “Fatigue Analysis Using Image Processing Techniques: A Review “presented by Mr. T P Mithun, Dr. S A Hariprasad, Mr. Siddappa Karabannavar in National Conference on Advanced Communication, VLSI Design & Signal Processing NCCVS -2013 held on 17th April 2013 at K.S School of Engineering and management, Bangalore. It is also being published in the processeding of said conference
11. A paper on “OFDMA and SC-FDMA Analysis in LTE “presented by Mr. T P Mithun, Mr. Bale Mallikarjun in TEQIP-II Sponsored National Conference on WiSE-2013: Wireless, Signal Processing and Embedded Systems held on 21st & 22nd June 2013 at BMS College of Engineering, Bangalore. It is also being published in the processeding of said conference
12. A paper on “Low Cost Autonomous System for Emergency Vehicles” presented in International Conference on “Operational Excellence for Global Competitiveness” held on 4th February 2011 at R.V college of engineering Bangalore. Presented by T.P Mithun, G M Nagaraj and K S Chandan.

Student Supervision

- **M.Tech Students:** 04
- **Undergraduate Research Mentees:** 15

Teaching

Core Courses: [Current semester]

- HS261TA Principle of Management & Economics

Advanced/Lab Courses:

- EI243AI Microcontroller & Programming Lab

Responsibilities

- **Academic:** Test Coordinator
- **Administrative:** Anti-Ragging Committee Member