
CURRICULUM VITAE

Prof.M.Shashidhar

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CAREER OBJECTIVE

- To leverage 25 years of extensive teaching, research, and academic leadership experience in the ECE discipline. To foster innovation, quality education, and research excellence within the institution. To mentor students and faculty while strengthening academic standards and interdisciplinary learning. To contribute to institutional growth through strategic planning, collaboration, and continuous improvement.

CAREER AREAS OF INTREST

- **Advanced Teaching & Pedagogy** – Enhancing learning outcomes through innovative instructional methods, curriculum development, and outcome-based education.
- **Research & Publications** – Pursuing high-impact research in Electronics and Communication Engineering, guiding scholars, and contributing to reputed journals and conferences.
- **Academic Leadership & Administration** – Strengthening institutional processes through strategic planning, accreditation activities (NBA/NAAC), and faculty development initiatives.
- **Laboratory & Infrastructure Development** – Establishing modern ECE laboratories, adopting new technologies, and upgrading facilities to support advanced learning and research.
- **Industry–Academia Collaboration** – Building partnerships with industries, promoting internships, consultancy, MoUs, and bridging the gap between academic training and industry needs.

PROFESSIONAL EXPERIENCE

- **Professor, Department of ECE**
Vaagdevi College of Engineering, Warangal, Telangana, India
May 2023 – Present
Responsible for teaching, research supervision, departmental development, and academic leadership.

- **Associate Professor, Department of ECE**
Vaagdevi College of Engineering, Warangal, Telangana, India
September 2008 – May 2023
Contributed to curriculum development, research publications, student mentoring, and academic administration.
- **Assistant Professor, Department of ECE**
Vaagdevi College of Engineering, Warangal, Telangana, India
January 2004 – August 2008
Engaged in teaching core ECE courses, laboratory development, and student project guidance.
- **Lecturer, Department of ECE**
Vaagdevi College of Engineering, Warangal, Telangana, India
October 2001 – December 2003
Taught foundational ECE subjects and supported departmental academic activities.

PROFESSIONAL SKILLS

- **Academic Leadership & Team Management** – Skilled in guiding faculty teams, coordinating departmental activities, and driving academic excellence initiatives.
- **Curriculum Design & Outcome-Based Education (OBE)** – Expertise in developing modern curricula, mapping CO-POs, and implementing OBE practices for quality enhancement.
- **Research Guidance & Scholarly Writing** – Strong capability in supervising research projects, writing research papers, and contributing to books and conferences.
- **Technical Expertise in ECE** – Proficient in core Electronics and Communication Engineering subjects, laboratory instruction, and hands-on training.
- **Strategic Planning & Accreditation Support** – Experienced in NAAC/NBA documentation, quality assurance processes, and institutional development activities.

PUBLICATIONS AND CONFERENCE ATTAINED

International Journals

International Journals:

1. M. Shashidhar, A Vamshi “IoT Based Industrial Temperature Monitoring System using thingspeak” International Journal of Engineering Science and Advanced Technology, ISSN: 2250-3676, Vol. 25, Issue-10, October-2025.
2. M. Shashidhar, Pankaj Rangaree, Asam Meghana “32- bit matrix multiplication accelerated using Strassen’s algorithm” International Journal of Engineering Science and Advanced Technology, ISSN: 2250-3676, Vol. 25, Issue-9, September-2025.
3. M. Shashidhar, Sanju, K. Bhavani “Smart Service Embedding in Hetrogeneous IOT Networks: A real Time Energy Optimization Framework” Journal of Science Engineering Technology and Management Science, ISSN-3049-0952 Volume 02, Issue 09, September 2025, DOI: <http://doi.org/10.64771/jsetms.2025.v02.i09.pp164-170> .

4. M. Shashidhar, P.Preethi, V.Ragasri "Theft Alert Call and SMS" International Journal of Current Science ISSN-2250-1770 Volume 15, Issue 3, July 2025.
5. M. Shashidhar, A. Punnam Chandar , R. Shiva kumar, B. Rambabu "Smart Farming Using Sensors For Agriculture Task Automation" International Journal of Current Science ISSN-2250-1770 Volume 15, Issue 3, July 2025.
6. M. Shashidhar, MD. Sufyaan, K. Sathyanarayana Reddy "Air Ease-Airline Administration System" International Journal of Innovative Research in Techonology, ISSN-2349-6002, Volume 11, April 2025.
7. M. Shashidhar , K prachothan Reddy ,Ch. Joseph "Multi-Authentication Vehicle Security System With Petrol Scam Detection" International Journal of Innovative Research in Technology ISSN-2349-6002,Volume 11, Issue 11, April 2025.
8. M. Shashidhar, P. Kiran kumar "Spacer Engineered Halo-Doped Nanowire MOSFET for Digital Applications" Journal of Electronic Materials, Springer Published online 09 November 2024. <https://doi.org/10.1007/s11664-024-11557-0> (SCI).
9. M Shashidhar, Vuppula Manohar "Effective Image Restoration Strategies for recovering visual clarity in forensic and archival applications" Journal of Computational Analysis and Applications, Vol. 33, No.4, 2024, ISSN: 1521-1398, 10.48047/jocaaa.2024.33.04.28 (Scopus).
10. M Shashidhar, Vuppula Manohar "Enhanced Object Detection methods for Streamlined Inspection process in Automotive Applications" Journal of Computational Analysis and Applications, Vol. 31, No.4, 2023, ISSN: 1521-1398, 10.48047/jocaaa.2023.31.04.71 (Scopus).
11. M. Shashidhar, M.Ranjeeth "A Comprehensive Analysis of Selection of Optimal Network Parameters For Cooperative Spectrum Network" Engineering Science and Technology an International Journal-Elsevier- ISSN: 2215-0986 (online) 2215-0986/c20xx (SCI).
12. M. Shashidhar, Pankaj Rangaree, Bharati B Sayankar "Implementation of FPGA based Hardware/Software Co-Design SoC for Median Filter" Advances in Material science and Manufacturing Engineering- AIP Proc. 2753, April-2023, ISSN: 0094-243X, <https://doi.org/10.1063/5.0128022> (Scopus).

13. M. Shashidhar, Nishu Gupta "Deep Reinforcement Learning Based Long Short-Term Memory Approach for Prediction of Channel Allocation in Satellite Internet of Things" Intelligent Automation & Soft Computing , Tech Science Press-ISSN:2326-005X (online)(Scopus).
14. M. Shashidhar, B. Sreedevi, B Sateesh, B Saisree "Real-Time IOT-Enabled Air Pollution Monitoring And Control System" RES MILITARIS Social Science Journal, ISSN:2265-6294,Volume 12, pg .no 4205-4211, Spring 2022(Scopus).
15. M. Shashidhar, Gunti Anitha "Ultra Low Power Standard Cell Library Architecture Design Using Deep SubMicron Technology" International Research Journal of Modernization in Engineering Technology and Science, e-ISSN: 2582-5208, page no 5546.
16. M. Shashidhar "Low Power Design of Counter Using Digital Switching Circuits For Counting Applications" Journal for Engineering Sciences,Vol- 13, Issue- 9, 2022, ISSN: 0377-9254-(Scopus).
17. M Shashidhar, Vuppula Manohar "Brain Tumor Classification using a Novel ViT-MSCNN Framework on BraTS Dataset" International Journal of Communication Networks and Information security, e-ISSN: 2073-607x, 2022, 14(3) (Scopus).
18. M. Shashidhar, M Sukesh, Varun Revuri "Smart Classroom Occupancy Monitoring and Automation system using Raspberry Pi Integrated Sensor Intelligence", Journal of Computational Analysis and Applications, Vol. 30, No.2, 2022, ISSN: 1521-1398, 10.48047/jocaaa.2023.31.04.71 (Scopus).
19. M Shashidhar, Vuppula Manohar "Advanced Speaker Identification methods for Security System and Personalization in smart devices" International Journal of Communication Networks and Information security, e-ISSN: 2073-607x, 2021, 13(3) (Scopus).
20. M. Shashidhar, Ghan Shyam Singh, Md. Hameed pasha, Zulekha Tabassum "CMOS Realization of OTRA Based Electronically Controllable Square Wave Generator Enhancing Linearity With Minimum Total Harmonic Distortion and Power Consumption" International Journal of Latest Engineering Sciences, ISSN-2581-6659, page no-35-2019.

21. M. Shashidhar, Garepelly Mounika, T. Sammaiah "Concert Investigates and improvements end to end Communication delay analysis in Wireless Networks" International Journal of Research, ISSN: 2236-6124, Vol-7, Issue-X, Oct-2018(UGC Care).
22. M. Shashidhar, A. Sumala "Finest Physical Activity Classification Enterprise for Channel Estimation in MIMO Systems" Journal of Applied Science and Computations, ISSN:1076-5131, Vol-5, Issue-10,Oct-2018(UGC Care).
23. M. Shashidhar, Prof K. Kishan Rao, Prof P.V.D. Somasekhar Rao "Performance Analysis of MIMO in Comparison with MU-MIMO under Non Data Aided Technique" International Journal Of Engineering Research and Application, ISSN:2248-9622,Vol-7, Issue12, December-2017 (UGC Care).
24. M. Shashidhar, K. Roja "By using ACF Companding Transform for reduction of PAPR in OFDM signal" International Journal for Innovative Engineering Management Research, ISSN: 2456-5083, Vol-6, Issue-10, Nov2017.
25. M. Shashidhar, V. Mounika "QoS Optimization For MIMO OFDM Mobile Multimedia Communication Systems" International Journal of Innovative Technology and Research, ISSN: 2320-5547, Vol-4, Issue 5 –September 2016.
26. M. Shashidhar, G. Anusha "Phase Estimation For Single And Multi channel Speech Enhancement in Multi Source Environment" International Journal of Innovative Technology and Research, ISSN:2320-5547, Vol-4, Issue 4– July-2016.
27. M. Shashidhar, K. Kishan Rao, P.V.D. Somasekhar Rao "Performance Analysis of MIMO Based on Channel Detection Technique" International Journal of Advanced Research Foundation, ISSN: 2394-3394, Volume3, Issue7, July2016, pp.10 -13.6(UGC Care).
28. M. Shashidhar, Prof. K. Kishan Rao, Prof. P.V.D. Somasekhar Rao "Performance Analysis of Various Receivers under Non Data Aided Technique Using HSPA+ Techonolgy" International Journal of P2P Network Trends and Technology, ISSN:2249-2615, VOL-12, Issue-1,

August-2015(UGC Care).

29. M. Shashidhar, Rasala Ashok, M. Shiva Prasad "MIMO OFDM Channel Estimation With Minimum Differential Feedback For Time Correlated Rayleigh Block Fading Channels" International Journal Of P2P Network Trends and Technology, Vol-12, Number-1, OCT-2014. ISSN:2231-5381(UGC Care).
30. M. Shashidhar, Sai Priyanka "FPGA Implementation of Substitution Matrix and Double Point Crossover" International Journal of Professional Engineering Studies, Vol-4, Issue-1, September 2014.
31. M. Shashidhar, Prof. K. Kishan Rao, K. Venkat siva sai, N V. MaruthiSagar "Performance Analysis of HC-CDMA for LTE Applications" International Journal Of Engineering Research Technology (IJERT) ISSN: 2278-0181,Vol-3, Issue 8, August 2014.
32. M. Shashidhar, K. Kishan Rao and P. V. D. Somasekhar Rao "Performance Analysis of MIMO-QR-OSIC receiver design Using HSPA+ Technology" International Journal of Ethics in Engineering Management Education, ISSN:2348-4748,Vol-1,Issue-6, June2014, pp.62-68(UGC Care).
33. M. Shashidhar, Prof. K. Kishan Rao, Prof. P.V.D.Somasekhar Rao "Performance Analysis of QR-OSIC Receiver using MIMO Under Non Data Aided Technique" International Journal of Electrical, Electronics and Telecommunication Engineering, ISSN:2051-3240, Vol-44, Issue-2, December2013.
34. M. Shashidhar, Prof K. Kishan Rao, Prof. P.V.D. Somasekhar Rao "Efficient Power Optimization Using MU-MIMO Under Non Data Aided Technique" International Journal of Simulation Systems, Science Technology, Vol-14, No-5, Paper-3, DOI: 10.5013/IJSSST.a.14.05.03, ISSN:1473-804xonline, 1473-8031 print (Scopus).
35. M. Shashidhar, P. Kiran, Satish. D "Centralized Cognitive Radio Networks for Energy Efficiency" International Journal Of Innovative Technologies, Volume01, Issue:02, September-2013, ISSN:2321-8665.
36. M.Shashidhar, D. Tarjan "Implementation of Cognitive Radio Networks Based On Cooperative Spectrum Sensing Optimization" International Journal Of Scientific Engineering and Technology Research, Volume-02,

Issue-11, September 2013, ISSN: 2319-8885

37. M. Shashidhar, J. Ramya "An Area Efficient and High Accuracy Error Compensated Adder for DCT Applications" International Journal of Electronics and Electrical Engineering, ISSN: 0974-2174, Volume 5, Issue 10, 2012
38. M. Shashidhar, K. Kishan Rao and P. V. D. Somasekhar Rao "Performance Analysis of a Receiver with New Channel Estimation Technique Using HSPA+ Technology", International Journal Of Emerging Technology and Advanced Engineering, ISSN: 2250-2459, Volume 2, Issue 3, March 2012, pp.506-511 (Scopus).
39. M. Shashidhar, B. Vijay Kumar, V. Sudheer raja, G. Madhuri "Data Embedding in scrambled digital video for security" International Journal on Recent Trends in Engineering and Technology, Vol. 6, No. 2, Nov 2011, DOI: 01.IJRTET.06.02.124.

International Conferences

1. M. Shashidhar, Pabbala Priyanka, Sanju "Implementation of low power based hybrid flip flop with conditional boosting for near threshold voltage applications" IEEE inspect Conference 979-8-3315-5349-4, 2025.
2. M. Shashidhar, Hemant kumar Gupta, Himayath shamshi, Neetu gupta "Parametric Evaluation for Musle Interfacing Devices during Finger Movement of Paralytic Patients", IEEE-54827, 13th ICCCNT-2022, October-2022 (Scopus).
3. M. Shashidhar, Hemant kumar Gupta, Himayath shamshi, Neetu gupta "Performance Analysis of windowing algorithms during Filtering of an Additive White Gaussian Noisy EMG signal" IEEE-54827, 13th ICCCNT-2022, October-2022 (Scopus).
4. M. Shashidhar, M. Ranjeeth, V. Manohar "Comparitive Analysis in Between HSPA+ and LTE" 8th International Conference on Advanced Computing and Communication Systems, ISBN: 978-93-5601, Jan-2022 (IEEE).
5. M. Shashidhar, K. Kishan Rao and P. V. D. Somasekhar Rao, "Performance Analysis of MIMO With SemiBlind Channel Estimation Under HSPA+ Technology", International Conference on Communication and Computing (ICC-2015), Organized by Alpha College of Engineering and Society of Information Processing (SIP). Elsevier Science Technology, ISBN: 978-93-5107-244-7, pp.201-208.
6. M. Shashidhar, Prof. K. Kishan Rao, K. Praveen Kumar, Y. Hareesha "Multi Input-Multi Output

Channel beam forming in double scattering channels with High –SNR performance” International Conference on Photonics VLSI and Signal Processing, March 28-29th 2014.

7. M. Shashidhar, Prof. K. Kishan Rao, Prof. P.V.D. Somasekhar Rao “Performance analysis of IDMA receiver for efficient power optimization using HSPA+ Technology” IEEE Conference on International Conference on Communication Systems and Network Technologies (CSNT-2013) Gwalior, India, ISBN-978-0-4598-3/13.
8. M. Shashidhar, Prof. K. Kishan Rao, Prof. P.V.D. Somasekhar Rao “Power Allocation for Precoder In MU-MIMO System with Non Data Aided Channel Estimation” IEEE Conference on Information and Communication Technologies (ICT2013), Tuchkalay, Trivandrum. ISBN: 978-1-4673-5758/13.
9. M. Shashidhar, V. Sudheer Raja, B. Vijay Kumar “Performance Analysis of Adaptive Algorithms for Noise Cancellation” IEEE International Conference on Computational Intelligence and Communication Systems, CICN-2011, Gwalior, India, ISBN-13:978-0-7695-4587-5.
10. M. Shashidhar, D. Suman “An Efficient Pilot Design Method For MIMO-Based Cognitive Radio Systems” International Conference of Electrical, Electronics Data Communication, 18th November 2012, ISBN:978-81-925751-4-8.
11. M. Shashidhar, V. Sudheer Raja, B. Vijay Kumar “MRI Brain image segmentation using modified fuzzyc-means clustering algorithm” IEEE International Conference on Communication Systems and Network Technologies, CSNT-2011, Katra, Jammu, India. ISBN:978-0-7695-4437-3.
12. M. Shashidhar, B. Vijay Kumar “Textual data encryption using Conventional Encryption algorithm” International Conference on Network Communication and Computer, ICNCC 2011, New Delhi, India. IEEE- ISBN: 978-1-4244-9551-1/11.

PATENTS

1. Smart Communication Paradigm for Enhanced Vehicular Safety

- **Application No.:** 201841041997
- **Filing Date:** 06/11/2018
- **Publication Date:** 16/11/2018
- **Status:** Published; Awaiting Examination

2. Smart Alert System for Proactive Monitoring of Patient Medication

- **Application No.:** 201941023096
- **Filing Date:** 11/06/2019
- **Publication Date:** 28/06/2019
- **Status:** Published; Awaiting Examination

3. Rain Intensity-Aware Self-Activating Wiper Enabled Smart Helmet

- **Application No.:** 201941024837
- **Filing Date:** 21/06/2019
- **Publication Date:** 28/06/2019
- **Status:** Published; Awaiting Examination

4. Design and Fabrication of Integrated Mobile Phone Charger and Power Bank

- **Application No.:** 202141003732A
- **Filing Date:** 28/01/2021
- **Publication Date:** 07/05/2021
- **Status:** Published; Awaiting Examination

5. Design and Development of Multifunctional Automated Home Security System

- **Application No.:** 202141030934
- **Filing Date:** 09/07/2021
- **Publication Date:** 16/07/2021
- **Status:** Published; Awaiting Examination

Awards & Recognitions

- Ugadi Purskar – Education Excellence Award (2022), awarded by LMTOS, Warangal.
- Ambitions Award – Best Teacher in Electronics & Communication Engineering (2021), Hyderabad.
- Dr. Sarvepalli Radhakrishna Best Teacher Award (2021), Society for Learning Technologies, Vijayawada.
- Academic Excellence Award (2007), Kakatiya Institute of Technology & Sciences (KITS), Warangal.

DECLARATION:

I hereby declare that the details furnished above are factually correct to the best of my knowledge.

Thanking you,