



FACULTY PROFILE ON WEBSITE

Faculty Name	Mr. Mahadev S.	
Academic Designation	Assistant Professor	
Educational Qualification	BE, M. Tech. PhD (Pursuing)	
Experience in Teaching & Industry	20 & 1.5	
Date of Joining	10-03-2026	
Official Email ID	mahadev-ece@dsatm.edu.in	
Employee ID	180702	

Educational Details

- Pursuing Ph.D from VTU, Belagavi
- M.Tech (VLSI Design & Embedded Systems), VTU, Belagavi 2007.
- B.E (Electronics & Communication Engineering) VTU, Belagavi, 2003.

Professional Experience

- Working as Assistant Professor in department of Electronics and Communication Engineering, Dayananda Sagar Academy of Technology and Management, Bengaluru from 10-03-2023 to till date
- Worked as an Lecturer, Senior Lecturer & Assistant Professor in department of Electronics and Communication Engineering, Ghousia College of Engineering at Ramanagara from 06-03-2008 to 09-03-2023.
- Worked as Teaching Assistant in Department of ECE, at PDA College Of Engineering Gulbarga from 23rd August 2004 to 17th September 2005.
- Worked as Member Technical Staff In Sandeepani School of VLSI Design a branch of Cg-Coreel, in Hyderabad from 16th July 2007 to 25th January 2008.
- Worked as Trainee in Mind Tree Consultancy, Bangalore from 24th, July 2006, to 11th June 2007.

Publications

International Journals:

- NN-SVM: a hybrid neural network–support vector machine framework for accurate pneumonia detection from chest X-rays* SK Jankatti, R Srinivasaiah, MS Parveen, at IAES International Journal of Artificial Intelligence (IJ-AI) Vol. 15, No. 2, April 2026, pp. 1349~1361 ISSN: 2252-8938, DOI: 10.11591/ijai.v15.i2.pp1349-1361
- “Predicting Brain Stroke Risk Using Machine Learning and Neural Network: A Comprehensive Approach to Early Detection and Prevention”, VER, vol. 8, no. 12s, pp. 1–15, Nov. 2025, Accessed: Jan. 10, 2026.
- Centralized Traffic Management System Using Computer vision at European Chemical Bulletin 2023, Vol. 12, 3984-399. DOI : 10.31838/ecb/2023.12.si6.353.
- Customized Mask R-CNN for Un-Uniformed shape text Detection and text recognition at International Journal of electrical and Computer Engineering, Indonesia 2022.

Book Chapters:

- Introduction to Digital Transformation in Agriculture: Trends and Opportunities R Dillip, GH Kusumadevi, HC Ravi Kumar, S Mahadev, Sustainable Agriculture Production Using Blockchain, 2026. doi.org/10.1002/9781394248711.ch12.
- An Analysis of AI in Healthcare: A Comprehensive Study on India at IGI Global-Biomedical Research Developments for Improved Healthcare, 2024. DOI: 10.4018/979-8-3693-1922-2.ch006.

International Conferences:

- Blockchain-Based Security Framework for High-Speed Software-Defined NetworksRG Gokila, S Mahadev, SM HC, S Shruthi, V Kumbhar... - 2026 13th International Conference on Computing for Sustainable Global Development (INDIACom) 2026.DOI: 10.23919/INDIACom70271.2026.11525990.
- Design and Development of UART Communication Over RSA Encryption, Abhishek H. J Vasudeva G, Mallikarjun P Y, Mahadev S, Tripti R Kulkarni, Bharathi Gururaj, Hemanth Kumar M. M. International Conference on Electrical and Computer Engineering Researches 6-8 Dec. 2025, Antananarivo – Madagascar, DOI: 10.1109/ICECER65523.2025.11401365.
- “Edge-Aware Vision Assistance: A Real-Time Transformer-Based Object Detection and Reading System for Visually Impaired Users”, presented a paper in IEEE- International Conference on Transformative Computing Technologies (ICTCT-2025) on 18th September 2025, at Acharya Institute of Graduate Studies, Bangalore.
- An Algorithm to Compute the Number of Repetitions and its Iterations from Stuttered Speech for Objective Assessment of Stuttering, at International Conference ICOICT, Trivandrum, Kerala, India, February 2009, pp. 147-150.

National Conferences:

- Synthesis and Functional Verification of High Speed UART for Bluetooth Application at National Level conference on Advancement in Communication and Computation organized by KSIT, Bangalore on September 28th 2013.

Conference Attended

- Presented a paper on “Edge-Aware Vision Assistance: A Real-Time Transformer-Based Object Detection and Reading System for Visually Impaired Users”, presented a paper in IEEE- International Conference on Transformative Computing Technologies (ICTCT-2025) on 18th September 2025, at Acharya Institute of Graduate Studies, Bangalore.

Awards

- ✓ I was awarded with “Best Paper of the session” for the paper presentation at National level conference organized by KSIT Bangalore, on September 28th 2013.

Academic Activity

- Working as Department Test Coordinator
- Assisted in organizing Faculty Development program.
- NBA Work: Part B, Student Performance chapter 4 of Self-Assessment Report of NBA.
- NAAC work: result and placement details

Faculty Development Activity/Workshops

- Participated in Online One Week FDP on “AI Tools Organized” Organized by Dayananda Sagar Academy of Technology and Management, Bengaluru. from 21-04-2025 to 25-04-2025.
- Participated in Online One Week FDP on “Artificial Intelligence and Machine Learning for Medical Image Analysis-Python Perspective” Organized by CMR Institute of Technology, Bengaluru in association with Brainovision Solutions India Pvt Ltd. from 17-02-2025 to 21-02-2025
- Participated in Online One Week AICTE–VTU Joint Teachers Training Programme on “Electronics Circuit design using Lab View” Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.), from 12th to 16th June 2023
- Participated in Online FDP on "Machine Learning and Data Analytics using MATLAB" organized by Kalpataru Institute of Technology, Tiptur, from 24th April -29th April 2023
- Participated in Online FDP on Recent trends in materials and flexible electronics" Organized by the Department of Electronics and Communication Engineering of Techno College of Engineering, Agartala from the 10 April to the 14 April 2023.
- Participated in ATAL Academy Online Advanced FDP on “Artificial Intelligence and Blockchain Application for Food Agriculture Sector” organized by Indian Institute of Plantation Management, Bengaluru, from 24th to 28th Jan 2022.

- Participated in ATAL Academy Online Elementary FDP on “Machine Learning Applications on Image Processing” organized by Nagarjuna College of Engineering & Technology, Bengaluru, from 17th to 21st Jan 2022.
- Participated in Five days online National Level FDP on “PCB Design” organized by Dept. of ECE, VVIET, Mysuru in association with Sienna ECAD technologies and ESSCI, from 29th June to 03rd July 2020.
- Participated in One-week online FDP on “Designing Automation for Future Industries” organized by Dept. of ECE, Ghousia College of Engineering, Ramanagara, from 9th to 13th June 2020.
- Participated in One day FDP on “Effective e-Resources Retrieval Strategies for Efficient Research” organized by Library and Information Centre in collaboration with IEEE, Ghousia College of Engineering, Ramanagaram on 9th Feb 2019.
- Participated in AICTE Sponsored two weeks SDP on “Recent Developments in Renewable Energy Sources & Its Applications” organized by Dept. of Mechanical Engineering, Ghousia College of Engineering, Ramanagaram from 13th to 25th Nov 2017.
- Participated in two days FDP on “Research Proposal Preparation Towards Ph.D. admission Programmes” organized by Dept. of ECE, KSSEM, Bangalore on 25th & 26th Jul 2017.
- Attended FDP on “Cloud Computing, Digital Learning, Artificial Intelligence & NPTEL” organized by iON PRIDE, TCS Global Axis, Bengaluru on 23rd & 24th Jan 2016.
- Attended FDP on “VLSI Design and Intellectual Property” organized by Dept. of ECE, Jyothi Institute of Technology, Bangalore on 9th & 10th Jan 2015.
- Attended FDP on “Advances in CMOS VLSI Design” organized by PESCE, Mandya sponsored by VGST from 8th Feb to 10th Feb 2011.

Contact Details

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