



FACULTY PROFILE ON WEBSITE

Faculty Name	Dr K Harshavardhana Reddy	
Academic Designation	Associate Professor	
Educational Qualification	M.Tech Ph.D	
Experience in Teaching & Industry	12 & 1	
Date of Joining	1/4/2026	
Official Email ID	dr.harsha-csds@dsatm.edu.in	
Employee ID	180925	

Educational Details

Ph.D – AI and DL Applications
M.Tech- CS
B.Tech- EIE

Professional Experience

Associate Professor in dept of CSE(DS), DSATM from 1/4/2026 to Till Date
Associate Professor in Dept Computer Science, S-VYASA University from 28/7/2024 to 31/3/2026
Associate Professor in School of Engineering and Technology, Garden City University, from 11/1/2024 to 27/7/2024
Associate Professor in Dept of ECE, EPCET, from 21/7/2019 to 5/1/2024
Assistant Professor in School of Electronics Engineering ,LPU University from 16/7/2018 to 30/4/2019.
TRA , VIT University from 1/10/2014 to 30/9/2017

Publications

- Harshavardhana Reddy, K., Sudha Ramasamy, and Prabhu Ramanathan. "Hybrid adaptive neuro fuzzy based speed controller for brushless DC motor." *Gazi University Journal of Science* 30.1 (2017): 93-110.
- Reddy, Harshavardhana, and Sachin Sharma. "Implementation of adaptive neuro fuzzy controller for fuel cell based electric vehicles." *Gazi University Journal of Science* 34.1 (2021): 112-126.
- Harshavardhana Reddy, Ramanathan, Prabhu. "A New feedback gain matrix based LQR PI Controller for Integrator time delay process." *Gazi University Journal of Science* 30.4 (2017): 232-251.
- Shilpashree S, K Harshavardhana Reddy, "Detection Detection and Diarization of Speech Processing Using Transformer Model" , Journal of Dalian University of Technology 32 (5).
- Reddy, K. Harshavardhana, et al. "Design and Implementation of Fuzzy Logic Based Intelligent Controller for PV System." *International Conference on Robotics, Control, Automation and Artificial Intelligence*. Singapore: Springer Nature Singapore, 2022.

- Harshavardhana Reddy, K., et al. "LQR PI Controller Design for First-Order Time-Delay Systems." *Advances in Systems, Control and Automation: ETAEERE-2016*. Singapore: Springer Singapore, 2017. 405-413.
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International Conferences:

- Reddy, K. Harshavardhana, et al. "Implementation of ANFIS Based PI Controller for BLDC Motor Driven Electric Vehicles." *2025 9th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS)*. IEEE, 2025.
- Madhavi, Vijaya, T. P. Prathibha, H. L. Pooja, K. Harshavardhana Reddy, and K. Leena. "A Comparative Analysis of Static and Dynamic Thermal Imaging in Breast Cancer Screening." In *2025 International Conference on Electronics, Computing, Communication and Control Technology (ICECCC)*, pp. 1-6. IEEE, 2025.
- Reddy, K. Harshavardhana, et al. "Neural Network based Fuzzy plus PD Controller for Speed Control in Electric Vehicles." *2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)*. Vol. 2. IEEE, 2024.
- K Harshavardhana Reddy, Sharma, Sachin, and Avagaddi Prasad. "Design and Implementation of LQR PI Controller for Second-order Time Delay Process." *2022 IEEE Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)*. IEEE, 2022.
- Reddy, K. Harshavardhana, et al. "Design of LQR based PI controller with optimum selection of weights for Time Delay Process." *2021 IEEE Bombay Section Signature Conference (IBSSC)*. IEEE, 2021.
- Reddy, K. Harshavardhana, Prabhu Ramanathan, and Sudha Ramasamy. "Lqr based pi plus pd controller to control the non-linear process." *2016 Online International Conference on Green Engineering and Technologies (IC-GET)*. IEEE, 2016.

National Conferences:

NA

Conference Attended

6 Conferences Attended

Awards

Best Paper Award in IEEE Conference

Academic Activity

R&D dept Member

Faculty Development Activity/Workshops

- Attended AICTE sponsored Six days Staff Technical Training Program on “ASIC Chip Design and Verification Course”, 3rd – 8th Feb 2021, CIT, Bengaluru.
- Attended AICTE-ATAL sponsored Five day FDP Programme on “Instrumentation in Telemedicine”, 21st -25th Sept 2020, Sri Krishna College of Engineering and Technology, Coimbatore, TN, India.
- Attended AICTE sponsored Six Day STTP Program on “Electrical Vehicle: Evolution, Integration and Challenges Series-01”, 19th -24th Oct 2020, Sri Krishna College of Engineering and Technology, Coimbatore, TN, India.
- Attended One week Training Programme on “An Overview of Teaching Techniques in Engineering Statistics and Linear Algebra”, 6th -10th Jan 2020, VTU, Karnataka.
- Attended Faculty Development Programme on “Mechatronics and Robotics”, August 18th 2018, Lovely Professional University.
- “Power Quality in Deregulated Power System with MATLAB Applications”, June 06th -11th 2016, NIT Hamirpur, Himachal Pradesh

Contact Details

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