




Faculty Name	Dr K Harshavardhana Reddy	
Academic Designation	Associate Professor	
Educational Qualification	M.Tech Ph.D	
Experience in Teaching & Industry	11 year	
Date of Joining	1/4/2026	
Official Email ID	dr.harsha-csds@dsatm.edu.in	
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Educational Details

Vellore Institute of Technology (VIT) Vellore, India	
Ph.D in ANN based Controllers for Time Delay Processes	2018
JNTU A Anantapuramu, India	
M.Tech- Control Systems	2014
JNTU A Anantapuramu, India	
B.Tech- EIE	2011

Professional Experience

Associate Professor in Dept of Computer Science, School of Advanced Studies, S- VYASA University, Bangalore from 27th July 2024- 31/3/2026.

Associate Professor in APJ Abdul Kalam School of Engineering, Garden City University, Bangalore from 16th January 2024 to July 2024.

Associate Professor in Dept. of ECE, EPCET, Bangalore from 19th July 2019 to 5th Jan 2024.

Assistant Professor in School of Electronics & Electrical Engineering, LPU University, Punjab from 7th July 2018 to 30th April 2019.

Teaching Research Assistant in School of Electrical Engineering, VIT University, and Vellore from 1st October 2014 to 30th September 2017.

Application Engineer Blue Horizon Technologies, Chennai from June 2011 to May 2012.

Publications

- 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. (Thomson Reuters and Scopus indexed, ESCI-Web of Science).
- Reddy, K. Harshavardhana, Prabhu Ramanathan, "A New feedback gain matrix based LQR PI Controller for Integrator Time Delay process", *GAZI UNIVERSITY JOURNAL OF SCIENCE*. 30.4 (2017): 232-251. (Thomson Reuters and Scopus indexed, ESCI-Web of Science).
- Reddy, K. Harshavardhana, 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. (Thomson Reuters and Scopus indexed, ESCI-Web of Science).
- Reddy, K. H., Ramanathan, P., Ramasamy, S., & Sanjeevi kumar, P. "LQR PI Controller Design for First-Order Time-Delay Systems". In *ADVANCES IN SYSTEMS, CONTROL AND AUTOMATION*. 2018, (pp. 405-413). Springer, Singapore. DOI:10.1007/978-981-10-4762-6_39. (Springer, Scopus indexed).
- K. Harshavardhana Reddy, Sudha Ramasamy, Prabhu Ramanathan, "Dahlin's Control Technique to Controlling the Temperature in a Glycerin Bleaching Process". *INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH*. Volume 10.5 (2015): 13465-13472. (Scopus Indexed).
- 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. (Springer, Scopus indexed).
- Reddy, K. H., Sharma, S., Madhuri, B., & Krishna, K. S. (2021, November). Design of LQR based PI controller with optimum selection of weights for Time Delay Process. In *2021 IEEE Bombay Section Signature Conference (IBSSC)* (pp. 1-6). IEEE.
- Reddy, K.H., Ramanathan, P. and Ramasamy, S., 2016, November. LQR based PI plus PD controller to control the Non-linear process. In *GREEN ENGINEERING AND TECHNOLOGIES (IC- GET), 2016 Online International Conference on* (pp. 1-4). IEEE. DOI:10.1109/GET.2016.7916736. (Scopus Indexed).
- 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 (Scopus Indexed).
- 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.

- Madhavi, Vijaya, Reddy, K. Harshavardhana et al. "A Comparative Analysis of Static and Dynamic Thermal Imaging in Breast Cancer Screening." 2025 International Conference on Electronics, Computing, Communication and Control Technology (ICECCC). IEEE, 2025.
- K. Harshavardhana et al, "Implementation of ANFIS based PI Controller for BLDC Motor Driven Electric Vehicles", 2025 International Conference on Computational System and Information Technology for Sustainable Solutions(CSITSS).IEEE,2025.
- K. Harshavardhana et al, "Detection and Diarization of Speech Processing Using Transformer Model", Journal of Dalian University of Technology (JDUT), vol.32.5(2025).
- K.Harshavardhana Reddy, Sachin Sharma, Sivadasan M, Yogesh G S, have presented the paper on "Implementation of Adaptive Neuro Fuzzy Controller for Time Delay Process" Conference ICMTCI-4.O Organized by EPCET, Bangalore dated on 18 -19 September 2020. (ISBN: 978-81-947738-3-2).
- Sachin Sharma, K. Harshavardhana Reddy, Sivadasan M, Yogesh G S, have presented the paper on "An Overview of Vehicular Ad Hoc Networks with its Applications", Conference ICMTCI-4.O, Organized by EPCET, Bangalore dated on 18 -19 September 2020. (ISBN: 978-81-947738-3-2).

Patents: 4

Phd Guidance: 1

PROFESSIONAL BODIES MEMBERSHIP: IEEE, IAENG

ACHIEVEMENTS:

- Completed all Eight SWAYAM Modules conducted by NITTT and AICTE.
- Best Paper Presentation Award in (IBSSC- 2021) in IIIT Gwalior during 18th – 19th Nov 2021.
- Teaching cum Research Assistantship, Vellore Institute of Technology, Vellore Oct 2024 – Sep 2024.

Academic Activity

Subjects Handled: MATLAB programming, Computer Networks, Research Methodology

Faculty Development Activity/Workshops

Completed 8 NITTR-NPTEL Courses

Contact Details

PERSONAL PARTICULARS:

Age: 36 years

Date of Birth: 13/01/1990

Nationality: Indian

Gender: Male

Marital Status: Single