


Annexure -1
Faculty Profile

Faculty	<p>Prof. Dr. Harshavardhana Reddy Associate Professor, Dept. of ECE East Point College of Engineering & Technology</p>
	<p>Profile*</p> <p>Currently Working as Associate Professor/Research in the Dept. of ECE, EPCET, Bangalore. Prior to this I was a Research Assistant at the school of Electrical Engineering, VIT University. I have 8 years of experience in design, development of control algorithms for various applications like EVs, and Control System Engineering. Further i have experienced in signal processing, Sensors and PLCs.</p>
	<p>Publications</p> <p>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).</p> <p>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).</p> <p>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).</p> <p>Reddy, K. H., Ramanathan, P., Ramasamy, S., & Sanjeevikumar, 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).</p> <p>Books</p> <p align="center">–</p> <p>Journals</p> <p>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).</p> <p>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.</p> <p>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).</p> <p>•</p> <p>Magazines</p>

Annexure -2

–
Conferences
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).
Achievements / Awards / Recognitions <ul style="list-style-type: none">• Member IEEE• Selected for Teaching Cum Research Assistantship for three years from 2014 to 2017 in SELECT, VIT University Vellore.• Selected Best paper Award for IEEE conference –IBSSSC-2021 IIIT Gwalior.