

# Appendices

# Appendix A

## Curriculum Vitae

**Haresh A. Suthar**  
**Assistant Professor**  
**E&C Engineering Department**  
**Parul Institute of Technology, Parul University**  
**Gujarat, India**

## Educational Qualification

Sr. No.	Examination passed	Name of University	Years of passing	% of Marks	Main subject
1	B.E.	The M.S.University of Baroda	2001	66.8	Electronics
2	M.E.	The M.S.University of Baroda	2003	78.3	Electrical

## Publications based on research work

[1] Haresh Suthar, Jagrut Gadit, “Two-Degree-of-Freedom PID controller, Its equivalent forms and special cases,” *International Journal of Robotics and Automation (IJRA)*, VOL. 4, NO. 4, DECEMBER 2015, pp. 269-283, ISSN (ONLINE): 2089-4856.(INTERNATIONAL) DOI: <http://doi.org/10.11591/ijra.v4i4.990>.

[2] Haresh Suthar, Jagrut Gadit , “Two Degree of Freedom controller optimization using GA for Shell and Tube Heat Exchanger,” is presented and published in the proceedings at 11TH International Conference on Intelligent Systems and Control (ISCO2017) organized at Karpagam College of Engineering, Coimbatore, India, during 5<sup>th</sup>-6<sup>th</sup> JAN, 2017. ISBN: 978-1-5090-2717-03. DOI: 10.1109/ISCO.2017.7855651

[3] Haresh Suthar, Jagrut Gadit , “Multiobjective optimization of 2DOF controller using NSGA-II for Shell and Tube Heat exchanger,” is presented and published in the IEEE international conference on Information, Communication, Instrumentation And Control (ICICIC2017) organized at Medicaps University, Indore, India, during 17<sup>th</sup> -19<sup>th</sup> August, 2017. DOI: 10.1109/ICOMICON.2017.8279026.

[4] Haresh Suthar, Jagrut Gadit , “An evolutionary reference point based nondominated sorting optimization of 2DOF Controller for Shell and Tube Heat exchanger system,” is presented and published in the proceeding of the Parul University International Conference on Engineering & Technology (PICET-2018) & Wroclaw University Of Science & Technology Poland- 16<sup>th</sup> and 17<sup>th</sup> February 2018, Parul University, India. ISBN: 978-1-5090-6313-0, Mcgraw Hill Publication.

[5] Haresh Suthar, Jagrut Gadit, “Multiobjective Optimization of 2DOF controller using Evolutionary and Swarm Intelligence enhanced with TOPSIS,” *HELIYON*, VOL. 5, ISSUE. 4, APRIL 2019, ISSN (ONLINE): 2405-8440.(INTERNATIONAL).

DOI: <https://doi.org/10.1016/j.heliyon.2019.e01410>.