

Dr. L.D. VIJAY ANAND

**Assistant Professor – Robotics Engineering
Karunya Institute of Technology and Sciences**

Degree	Specialization	University
Ph.D 2018	Process Control	Karunya Institute of Technology & Sciences Deemed-to-be-University
M.E 2007-09	Control Systems	PSG College of Technology Anna University
B.E 2003-07	Electronics & Instrumentation Engineering	Karunya Institute of Technology & Sciences Anna University

RESEARCH AREAS

Process Control and Automation, Intelligent Controllers, Mobile Robotics

ACADEMIC EXPERIENCE

	Total Years of Experience
Teaching & Research	11 Years 05 Months

SCOPUS INDEXED JOURNALS

1. Hepsiba, D., L.D. Vijay Anand, Malin Bruntha, P., Samson Isaac, J, "Ambulatory services for safety of victims affected by accidents", International Journal of Advanced Trends in Computer Science and Engineering, 2020, 9(5), pp. 8611-8614, 244.
2. Shivakumar, R., Hepsiba, D., L.D. Vijay Anand, "Performance analysis of qzsi for pv integrated grid system", International Journal of Advanced Trends in Computer Science and Engineering, 2020, 9(5), pp. 7731-7735.
3. Hepsiba, D., L.D. Vijay Anand, "Enhancing the production efficiency in paper recycling plant through thickness measurement", International Journal of Innovative Technology and Exploring Engineering, 2019, 8(12), pp. 4831-4833.

4. Hepsiba, D., L.D. Vijay Anand, "Design of automated bed for prevention of pressure ulcer for patient with moving disability", *International Journal of Innovative Technology and Exploring Engineering*, 2019, 8(11), pp. 2252-2254.
5. L.D. Vijay Anand, Hepsiba, D., "Modelling and parameter estimation of thermal process", *International Journal of Mechanical Engineering and Technology*, 2019, 10(2), pp. 1269-1275.
6. L.D. Vijay Anand, Hepsiba, D., "Real-time system identification of thermal process", *International Journal of Mechanical Engineering and Technology*, 2018, 9(11), pp. 2076-2084.
7. L.D. Vijay Anand, Poongodi, P., Jayakumar, J., Hepsiba, D., "Analyzing the effect of pre-heater in the temperature process", *International Journal of Mechanical Engineering and Technology*, 2017, 8(11), pp. 113-120.
8. Poorani. V.J., L.D. Vijay Anand, "Comparison of PID controller and Smith predictor controller for heat exchanger", *2013 IEEE International Conference on Emerging Trends in Computing, Communication and Nanotechnology, ICE-CCN 2013*, 2013, pp. 217-221, 6528496.

NON-SCOPUS INDEXED JOURNALS

1. Lakshmi Asok, L.D. Vijay Anand, "Design of Fuzzy PID with Expert Control for a Temperature Process", *International Journal of Engineering Research and Technology, IJERA*, February 2014: 3(2) , pp 1004- 1007.
2. Binu P Mathew, L.D. Vijay Anand, "Modified Smith Predictor based Control of Cascaded Chemical Reactor", *International journal of Engineering Research and Applications, IJERT*, March 2014: 4(4) , pp 64-67.
3. Sonu Joseph, L. D. Vijay Anand, "Dead Time Compensating PID Controller Structure and Robust tuning for water bath process", *International Journal of Engineering Research and Technology, IJERT*, January 2014: 3(1) , pp 3324-3327.
4. Saravanan P, L. D. Vijay Anand, "Grey Prediction Algorithm Based Fuzzy Logic Controller for Temperature Process", *International Journal of*

Engineering Research and Technology, IJERT, February 2014: 3(2) , pp 1847-1852.

5. Athi Thilalagalakshmi R, Vijay Anand, "Simulation of Neuro-PID Controller for Pressure Process", International Journal of Computer Applications. no-09, pp.18-22, December 2013.
6. L.D.Vijay Anand, Hepsiba.D, "Automated Highway Tollgate Collection System", International Journal of Advanced Research in Education & Technology, vol.4, Issue 2, April 2017.
7. Hepsiba.D, L.D. Vijay Anand, "Microprocessor based Hybrid Solar Tracking System", International Journal of Recent Trends in Engineering & Research, Vol. 3, Issue 3, April 2017.

INTERNATIONAL / NATIONAL CONFERENCES

1. L.D.Vijay Anand, Winnie Clarence, "Automatic Tuning of Smith Predictor Controller on a Temperature Control", International Conference on Thermal Energy and Environment, held at Kalasalingam University, Virudhunagar, during 24th& 26th March 2011.
2. L.D. Vijay Anand, "Design of Smith Predictor Controller by Polynomial Approach", International Conference on Emerging Technological Trends in Advanced Engineering Research (ICETT-2012), Baselios Mathews II College of Engineering, Kollam, Kerala.
3. L.D. Vijay Anand, "Temperature Control of Re-Boiler using hybrid Fuzzy PD+I Controller", International Conference on Emerging Technological Trends in Advanced Engineering Research (ICETT-2012), Baselios Mathews II College of Engineering, Kollam, Kerala.
4. L.D. Vijay Anand, "Reliable Self Tuning Fuzzy Logic Controller for Water bath system", International Conference on Emerging Technological Trends in Advanced Engineering Research (ICETT-2012) Baselios Mathews II College of Engineering, Kollam, Kerala.

5. L.D. Vijay Anand, Rinu Raj, "Design and implementation of a CDM-PI Controller for Spherical Tank level system", International Conference on Advance engineering and technology, IRD INDIA, Kerala.
6. L.D. Vijay Anand, "Controller for Tubular Heat Exchanger", International conference on Innovations in Intelligent Instrumentation, Optimization & Signal Processing organized by KITS, Coimbatore, 2013.
7. L.D. Vijay Anand, "Simulation of Neuro-PID controller for Pressure Process", International conference on Innovations in Intelligent Instrumentation, Optimization & Signal Processing organized by KITS, Coimbatore, 1st-2nd March 2013.
8. L.D. Vijay Anand, "Comparison of PID controller and Smith predictor controller of heat exchanger", IEEE International Conference on Emerging Trends in Computing, Communication and Nanotechnology organized by Infant Jesus college of Engineering and Technology Tamil Nadu, 2013.
9. L.D. Vijay Anand, "Design and real time implementation of Modified Smith Predictor controller for temperature system", International conference on Emerging Technology Trends in Advanced Engineering Research, Feb20,21, 2012.
10. Vijay Anand, "Modeling and Implementation for Pressure process", International conference on Advanced computing machines and embedded technology (ICACT 2013) organized by J.K.K.Natraja College of Engineering and Technology Tamil Nadu, 8th and 9th March, 2013.