



Mr. Hemanth Jaison

Assistant Professor

Department of Electrical & Electronics Engineering

College of Engineering Vadakara

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Qualifications:

- B.Tech in Electrical & Electronics Engineering
- M.Tech in Power Electronics & Drives

Experience:

- Working as Assistant Professor in College of Engineering, Vadakara for **5 years**.
- Worked as Assistant Professor in College of Engineering & Management, Punnapra for **4 years**.
- Worked as Assistant Professor in Saintgits College of Engineering, Kottayam for **6 months**.
- Worked as Lecturer in John Cox Memorial CSI Institute of Technology for **6 months**.
- Total service: **10 years**

Areas of Interest:

- Special Electrical Machines
- Power Electronics and Drives

Positions held:

- Currently KTU Exam Cell member during 2021-22
- Chief Superintendent of KTU Examination Cell during 2016-17.
- Secretary, Electrical & Electronics Engineering Association during 2019-20
- Class Advisor of 2012-16 batch and 2017-21 batch
- Lab in charge of Power Electronics Lab & Circuits & networks Lab.

Subjects Taught:

- Power Electronics, Circuits & Networks, Electric Drives, Special Electrical Machines, DC Machines & Transformers, Fundamentals of Electrical Engineering, Power Quality, Electrical Measurements & Instrumentation, Electrical Technology, Power Systems
- Power Electronics & Drives lab, Power Systems Lab, Circuits & Networks Lab, Electrical Machines Lab, Electrical Measurements Lab

Publications:

[1] International Journal of Micro and Nano Electronics, Circuits and Systems (IJMNES), vol 3, no 1, Jan-Jun 2011, ISSN: 0975-4768.

Hemanth Jaison, Anas S R, Anish Gopinath and M S P Subathra, "A Dynamic Modelling of Brushless DC Motor Servo System for Electromechanical Actuator with Dual Redundancy Technique," *International Journal of Micro and Nano Electronics, Circuits and Systems (IJMNES)*, vol 3, no 1, Jan-Jun 2011, ISSN: 0975-4768.

[2] International Conference on Recent Innovation in Technology (ICRIT2011), Rajiv Gandhi Institute Of Technology (RIT), Kottayam.

Hemanth Jaison and M S P Subathra, "A Dual Redundant Electromechanical Actuator based Position Control System," *International Conference on Recent Innovation in Technology (ICRIT2011)*, Feb10-12, 2011, pp.180-185.

[3] International Conference on Power, Control and Embedded Systems (ICPCES 2010), Anna University, Chennai.

K. Vinoth Kumar, Dr. S. Suresh Kumar, Hemanth Jaison, "Neural Network Based Unbalance Current and Voltage Estimation," *Proceedings of the International Conference on Power, Control and Embedded Systems*, December 8-10, 2010, pp.302-307.

[4] International Conference on Emerging Trends in Computer and Electrical Technology (ICETECT-2011), St. Xavier's Catholic College of Engineering, Nagercoil.

Hemanth Jaison, Anas S R, Anish Gopinath and M S P Subathra, "A Dual Redundancy Technique for Electromechanical Actuation System applied to Launch Vehicles," *International Conference on Emerging Trends in Computer and Electrical Technology (ICETECT-2011)*. Mar 23-24, 2011.

Training Programmes Organised:

- TEQIP-II sponsored A NATIONAL LEVEL SEMINAR ON POWER AND ENERGY SYSTEMS at COLLEGE OF ENGINEERING VATAKARA during 25-03-2013 to 27-03-2013.
- Five Days Faculty Development Programme on Power Electronics Technology, its Application and Control at COLLEGE OF ENGINEERING VADAKARA during 14-01-2019 to 18-01-2019.
- A Short Term Training Programme on Circuits and Networks at COLLEGE OF ENGINEERING VADAKARA during 24-07-2019 to 26-07-2019.
- A Five Day Online Faculty Development Programme on Electric Vehicles: Charging & Challenges Networks at COLLEGE OF ENGINEERING VADAKARA during 05-02-2021 to 09-02-2021.

Training Programmes Attended:

- TEQIP-II sponsored SHORT TERM TRAINING PROGRAMME ON STATISTICAL AND MATHEMATICAL TECHNIQUES FOR ENGINEERS at LBS COLLEGE OF ENGINEERING during 19-11-2012 to 23-11-2012.
- TEQIP-II sponsored THREE DAY WORKSHOP ON TRENDS IN ADVANCED IN TECHNOLOGY at COLLEGE OF ENGINEERING VATAKARA during 03-12-2012 to 06-12-2012.
- TEQIP-II sponsored HANDS ON LABVIEW PROGRAMMING at CITL Tech-Varsity, Bangalore during 22-03-2013 to 24-03-2013.
- CERD sponsored SWOT ANALYSIS AND STRATEGY DEVELOPMENT FOR TEQIP at COLLEGE OF ENGINEERING AND MANAGEMENT PUNNAPRA during 28-05-2016 to 30-05-2016.

Professional Body Memberships:

- Life Member of The Indian Society for Technical Education (ISTE)