

BIO-DATA



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Academic Qualifications

Sl.No.	Degree	Specialization	College/Institute
1	B.Tech	Electrical and Electronics Engineering	Govt. Engineering College, Thrissur
2	M.Tech	Control Systems	College of Engineering, Thiruvananthapuram
3	Ph.D.	Instrumentation and Control	IIT Madras

Date of Joining : 01/10/2001

Subjects Taught : Power Electronics, Industrial Electric Drives, Control Systems, Linear system analysis, Advanced Control Theory, Power Systems, Circuits and Networks, Electronic Circuits and Systems, Digital Electronics, DC Machines and Transformers, Power Converters, Illumination Technology, and Research methodology.

Area of Interest : Robust Control, Vibration control, Convex Optimization

Major Exposure/ Achievements

- 1) Coordinator of College Maintenance Committee
- 2) Convenor of Internal Complaints Committee
- 3) Convenor of DQAC
- 4) Convenor of PAC
- 5) Head of the Department from January 2017 to December 2018
- 6) Chair of nCoretech-17, National conference coordinated by EEE Department
- 7) Successful implementation of TEQIP (phase I) in the Department
- 8) Accreditation of the Department by NBA
- 9) Chairperson of the College Women's Cell
- 10) Coordinator for the Induction training program
- 11) Won the best paper award for the paper entitled “Robust control of LV autopilot in Kharitonov’s framework” in a Regional seminar held at College of Engineering, Thiruvananthapuram.

Publications

- 1) V. VISALAKSHI, N. MYNENI, B. BHIKKAJI and B GEORGE, “Convex- Designs of Controllers for Resonant Systems”, *IEEE Access*, vol.11, 2023, pp.130942-130954.
- 2) V. Visalakshi, S. Khare, S. O. R. Moheimani, and B. Bhikkaji, “Design of positive position feedback controllers for collocated systems,” in 2021 *American Control Conference (ACC)*, 2021, pp.4791–4796.
- 3) Anwar Ulla Khan, Debjyoti Kumar Mandal, Visalakshi V, Bobby George and Bharath Bhikkaji, A new TMR Based Sensing Technique for Electric Guitar Pickup”, *Eleventh International Conference on Sensing Technology (ICST)* 2017, pp. 467- 471.
- 4) Shehanas K. Salim, Visalakshi V, Performance Analysis of Dstatcom with Icos ϕ Algorithm using Adaptive Hysteresis Current Controller, *International Journal of Creative Research Thoughts*, Vol.6, Issue 2, April-2018.
- 5) Visalakshi V and Mridul MP, “A solar power generation system with a new eleven-level inverter.” *IRJIEICE*, April 2017.