

CURRICULUM VITAE

Mr. Bharath Y.K.*M. Tech*

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Academic Qualifications

- M.Tech, in Computer Applications in Industrial Drives, Electrical and Electronics Engineering, NIE, Mysore, VTU, 2016.
- B.E, Bachelor of Engineering in Electrical and Electronics Engineering, MCE, Hassan, VTU, 2014.
- Diploma in Electrical and Electronics Engineering, Smt. L.V.(Govt.) polytechnic, Hassan, DTE, 2011.

Experience

- One year teaching experience as teaching assistant at NIE, Mysore during 2015-16.
- One year research experience as an intern at NAL, Bangalore during 2015-16.

Others:

- Secured 1st rank in M. Tech (Gold medal), CAID examination held during 2016 with a CGPA of 9.66.
- Secured 1st rank in Diploma CET under lateral entry scheme in Electrical and Electronics Engineering in the year 2011, conducted by Board of Technical Examinations.

Research and development

- Development of Active noise control system for a typical fighter aircraft pilot helmet.
- Optimal placement of D-STATCOM in a radial distribution feeder using ANN.

Equipment's developed

- Robust ANC for fighter aircraft pilot helmet.
- Pic Microcontroller based Temperature Monitoring system.

Course Subjects taught

UG Level

- Basic Electrical Engineering
- Fuzzy logic

Programs/Seminars/Conferences Attended

1. Attended two-day workshop on Industrial automation organized by Dept. of E&E Engg. NIE, Mysore
2. International Conference on Industrial Automation, ICIAS-2015, MCE, Hassan, Nov. 2015.
3. IEEE second International Conference on applied and theoretical computing, iCATccT-2016, SJBIT, Bangalore, Jul. 2016
4. International Conference on Information processing, IMCIP-2016, UVCE, Bangalore, Aug. 2016.

Publications

Conferences:

1. **Bharath Y.K.**, Purushothama G.K, "Power Quality Enhancement using ANN-based Optimal Placement of D-STATCOM in a Radial Distribution System", ISBN 978-93-84659-38-7, Proceedings of ICIAS-2015, pp-150-153, 28-29 Nov, 2015.

2. **Bharath Y.K**, Veena S, Nagalakshmi K.V, ManjunathDarshan, RohiniNagapadma, “Development of Robust VAD Schemes for Voice Operated Switch Application in Aircrafts”, IEEE second International Conference on Applied and Theoretical Computing and Communication Technology (IEEE iCATccT 2016), ISBN 978-1-5090-2398-1, pp 189-193, 21-23 July 2016.
3. **Bharath Y.K**, Chitralkha G, Veena S, Lokesha H, Nagalakshmi K.V, Dilna U, “Robust Active Noise Control System for Fighter Aircraft Pilot Helmet Application”, Twelfth International Multi-Conference on Information Processing (IMCIP-2016), Elsevier Procedia Computer Science, Vol. 89C, pp 690-699, 19-21 Aug 2016.
4. Veena S, Lokesha H, **Bharath Y.K**, “A Systematic Design and Development Approach for an Active Noise Control (ANC) System”, Submitted to IEEE INDICON - 2016 (accepted for presentation).