

## CURRICULUM VITAE

### CONTACT

*Dr.T.S.Vishwanath*  
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### OBJECTIVE

An enthusiastic, adaptive and fast-learning person with a broad and acute interest in interest in the discovery of new innovative Ideas, I particularly enjoy collaborating with scientists from different disciplines to develop new skills and solve new challenges help to improve the quality of technical education in the District state and country

### ACADEMICS

#### Ph.D in Control System

*Institution:* Dr MGR Educational and Research Institute University Chennai India  
*Thesis:* “Robust  $H^\infty$  control and analysis” application to electrical drives

#### M. E. in Control System

*Institution:* WCE Sangli  
*Board:* Shivaji university Kolahapur  
*Area:* Non Interactive System Robust Control

#### BE in Electrical Engineering

*Institution:* PDA College of Engineering Gulbarga  
*Board:* Gulbarga University Gulbarga

### WORK EXPERIENCE

1. Institution: **BKIT Bhalki** (VTU Belagavi)  
Designation: **Professor**  
Department: **Electronics and Communication Engineering**  
Work Experience: **28 years**

### TECHNICAL SKILLS

*Languages and tools worked on:* C language, MATLAB.  
*Assembly Languages:* Microprocessors (8085 & 86), 8051( $\mu$ C).  
*Operating Systems:* Windows 98/2000/XP/Vista/Windows7, Ubuntu, Fedora.

## AREA OF INTREST

1. Wireless Sensor Network.
2. Image Processing.
3. Cloud Computing.
4. Wireless Communication.
5. Biomedical Signal Processing.
6. Power Electronics and Drives
7. Control System.

## WORKSHOPS ATTENDED

1. Two days National Level Workshop on “MATLAB FOR ENGINEERS” 09-02- 2012 Organized by “Instrumentation Technology” BKIT Bhalki
2. One day faculty development program on “Microelectronics and circuits” organized by Dept of E&C, B.K.I.T. Bhalki.
3. Two days National Workshop on “Image Processing” organized by Dept Telecommunication engineering BMS College of Engineering, Bangalore
4. Two days national level workshop on “recenent research trends in Communication and networking RRTCN-2013 organized by E&CE Dept of BKIT Bhalki on 15<sup>th</sup> and 16<sup>th</sup> March
5. Two days national level workshop on “introduction to LaTeX and its application for Manuscript Preparation”
6. Two Days National Level Seminar on Image processing and Communication Systems Organized by Dept of E&CE Appa Institute of Engineering and Technology Gulbarga
7. Two Days National Level Industry Interaction Program on “VLSI Design and Embedded System” Organized by Dept of E&CE BKIT, Bhalki
8. One Week Winter School on “Recent Innovations in HDL and Microprocessor Organized by Dept of E&CE BKIT, Bhalki
9. Two Days National Level Workshop on Advances in Communication Engineering Organized by Dept of E&CE BKIT, Bhalki
10. Energy management systems at M.C.E. Hassan Date: 20 to 21 March 1997
11. One day National seminar on MOBILE DEVICES AND SYSTEMS at GNDEC BIDAR 2009
12. ISTE Sponsored two days workshop on “Challenges in VLSI DESIGN” on 3-4/9/10 at REC Bhalki

## PUBLICATIONS

### INTERNATIONAL/NATIONAL CONFERENCES/ JOURNALS:

- [1] T.S.Vishwanath Dr Subhash Kulkarni,(2010) “H-infinity control for a DC Drive with analysis of various performance measures” IJEST vol. 02, No.1, pp.5714-5722.
- [2] T.S. Viswanath and Subhash S.K,(2011) “ROBUST H<sup>∞</sup> CONTROL FOR A DC DRIVE”, World Journal of Science and Technology, vol.1(8), pp.154-159, ISSN: 2231 – 2587
- [3] T.S. Viswanath and Subhash S K, (2010) “A Genetic Algorithm-based Technique to Enhance H-infinity Controller Stabilizes Acceleration in PMSM”, International Journal of Engineering Science and Technology, Vol.2, No.12, pp.7540-7549

- [4] T S Vishwanath and Subhash Kulkarni  $H^\infty$  Controller for Network Based Control System with State Observer, International Journal of power Electronics & control VOL-2 PP NO:73-84
- [5] T S Vishwanath and Subhash Kulkarni A graphical-based acceleration stabilization in pmsm using  $H_\infty$  Controller, International Journal of Electrical Engineering and Technology 2011
- [6] T S Vishwanath and Subhash Kulkarni Optimal  $H_\infty$  Controller for a D.C Drive. Proceedings of National Conference on instrumentation control system and automation NCICSA 2006 SRM UNIVERSITY Chennai
- [7] T S Vishwanath and Subhash Kulkarni A new Robust  $H_\infty$  Controller for a Separately Excited D.C Drive . Proceedings of National Conference on instrumentation control system and automation NCICSA 2006 SRM UNIVERSITY Chennai
- [8] T S Vishwanath and Subhash Kulkarni Optimal  $H_\infty$  Controller for a D.C Drive with PI: a Digital domain Approach. ICN 2010
- [9] T S Vishwanath and Subhash Kulkarni Robust  $H^\infty$  Controller for a D.C Drive ICN 2010
- [10] Vishwanath TS, Subhash SK, Mallikarjun “Genetic Algorithm Based Control and analysis of PMSM with PID” Indian Journal of Engineering, Volume 7, Number 17, January 2014.

#### PHD SCHOLARS TILL DATE

1. Total Admitted: 09
2. Thesis Submitted: 01
3. Comprehensive Viva Voce Completed: 04

#### AS A RESOUCSE PERSON/EXPERT TALKS

- Energy efficient systems
- Drives and control
- Biomedical signal processing PERT TALKS

#### PROFESSIONAL MEMBERSHIPS

1. Member of Institute of Engineer (MIE)
2. *International Society for Technology in Education (ISTE)*
3. *Institution of Electronics and Telecommunication Engineers (IETE)*
4. *International Journal of Electrical Engineering (IJEET)*

## **OTHER AFFILIATIONS AND ROLES**

- **Chairman Admission Committee**
- **Vice Chairman Admission Committee**
- **Asst Warden**
- **HOD**
- **Inspection Member Govt.**
- **Board of Examiners, VTU Belagavi**
- **Local Enquiry Committee, VTU Belagavi**

## **REVIEWER FOR FOLLOWING JOURNALS**

1. **IETE**
2. **IACSIT**
3. **ETASR**
4. **IJCTEE**
5. **IJERT**
6. **IJECER**
7. **IJSER**
8. **IJSET**

### **Declaration:**

I hereby declare that the information furnished above is true to the best of my knowledge.

Dr.T.S.Vishwanath