

## Dr. Basavaraj V. Madiggond

Professor & HOD Dept. of EEE,  
Hirasugar Institute of Technology,  
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### Experience:

Thirty years of experience in Teaching.

### Qualification:

- **Ph.D.** from JNTU, Hyderabad.
- **Master of Engineering in Power Electronics**, First Class with Distinction, in 2001 from P.D.A. College of Engineering, Gulbarga, **Gulbarga University**.
- **Bachelor of Engineering in Electrical & Electronics Engineering**, Second Class, in 1994 from S.T.J. Institute of Technology, Ranibennur, **Karnataka University, Dharwad**.

### Responsibilities:

1. Member Governing Council, Hirasugar Institute of Technology, Nidasoshi since 2020.
2. **Chairman**, Board of Studies (**BOS**), **EEE** stream of Visvesvaraya Technological University, Belagavi for the year 2022-2025.
3. Member, **Faculty Advisory Board** for e-Shikshana of VTU Belagavi for 2022-23.
4. Member **Board of Studies (BOS)**, **EEE** stream of Visvesvaraya Technological University, Belagavi for the year 2022-2025. The responsibility involves framing of Syllabus, reviewing the queries and solutions/suggestions about framed syllabus and recording. Verifying equivalence of courses.
5. Member **Board of Studies (BOS)**, **EEE** stream of Visvesvaraya Technological University, Belagavi for the year 2019-2022. The responsibility involves framing of Syllabus, reviewing the queries and solutions/suggestions along with chairperson about framed syllabus and recording.
6. Special Invitee for **Board of Studies (EEE)** of Visvesvaraya Technological University, Belagavi for the year 2018-19. The responsibility involves framing of Syllabus, reviewing the queries and solutions/suggestions along with chairperson about framed syllabus and recording.
7. Member of **Board of Examiner (EEE)** of Visvesvaraya Technological University, Belagavi for the year 2016-17. The responsibility involves, allotment of examiners for University practical examinations, nominating faculty for setting question papers and scrutinizing question papers for the University theory examinations
8. Worked as Dean (Academics) HSIT Nidasoshi during 2021-22.

9. Worked as IQAC Coordinator, NAAC Convener at HIT Nidasoshi during 2020-22.
10. HOD (EEE) which involves overall department administration, supervision of day-to-day work, counseling of students, staff and parent interaction.
11. Worked as Executive Chairman, KANNADA BALAGA of Jain College of Engineering, Belagavi from July 2014 to June 2018.
12. Worked as Dean (Administration) and HOD (EEE) at SDMIT Ujire South Canara Dist. During July 2008 to July 2013 which involves supervision of administration activities of the Dept, and college, Uploading information to AICTE for EOA, etc, Preparing documents and monitoring activities related to Local Inspection Committee, taking faculty appraisal from students and conveying necessary information for the improvement of the quality etc.
5. Custodian for M.Tech/MBA examinations of Visvesvaraya Technological University, Belagavi.
6. Worked as Chief Coordinator for Institute's AICTE approval process at SDMIT Ujire.
7. Worked as Deputy Chief Superintendent for VTU Examination Process.
8. Flying Squad Member for VTU Examination.
9. Institute's ISTE Chapter Executive Secretary from 2009 to 2013 at SDMIT Ujire.
10. Department IE(I) Students' Chapter Observer from 2014 to June 2018.
11. Institute's Kannada Balaga Chairman since 2013.
12. Worked as Rotaract President, Haveri during 1996.

#### **Achievements/ Recognition:**

- Compiled a Formula book for 1 year EEE students of VTU, Belagavi, published by VTU, Belagavi
- Reviewer of International Conferences
- **Chairman**, Board of Studies (**BOS**), EEE stream of Visvesvaraya Technological University, Belagavi for the year 2022-2025.
- **Received a grant from AICTE** to organize STTP for faculty/industry persons on "Battery Management and Control Techniques in EVs" during 2019-20.
- **Resource person for a 6 day AICTE sponsored STTP** on Battery Management and Control Techniques in EVs organized by Hirasugar Institute of Technology, Nidasoshi during 23-28 Nov, 7 – 12 and 14 – 19 Dec 2020.
- **Resource person for a 5 day FDP** on Recent Research Developments in Electrical Engineering organized by PES Institute of Technology, Shimoga during 4 to 8 August 2020.
- **Resource person for a TEQUIP-1.3 sponsored 5 day FDP** on "Electrical Vehicles- Controls, Motors, Storage and latest Technologies" organized by PDA College of Engineering, Kalaburgi during 3 to 7 Sept 2019.
- **Received a grant of Rs 100000/- from Visvesvaraya Technological University, Belagavi** towards organizing 2 Days workshop on "Repair and Maintenance of Laboratory Equipment" for instructors under TEQUIP during June 2020.
- **Received appreciation for reviewing technical paper** for IEEE MYSURUCON-2021 International Conference organized by NAVKIS College of Engineering, Hassan during 24<sup>th</sup> – 25<sup>th</sup> October 2021.
- **Received appreciation for reviewing technical paper** for 4<sup>th</sup> IEEE International

Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques – (ICEECCOT) organized by GSSS Institute of Engineering & Technology for Women, Mysore during 13<sup>th</sup> – 14<sup>th</sup> December 2019.

- **Received a grant of Rs 50000/- from KREDL** towards organizing Energy Conservation Week during 14-21 Dec. 2019.
- 1. **Received a grant of Rs 10000/- from Visvesvaraya Technological University, Belagavi** towards organizing FDP on Effective Conduction of Basic Electrical Engineering Laboratory -18ELEL17 for Faculty of VTU affiliated Engineering Colleges, on 3 August 2018.
- **Delivered Expert talk on Power Electronics And Applications** at S G Balekundri Institute of Technology, Belagavi during 2015.
- Consistently given more than 90% result.
- Excellent feedback from students.
- Given many Technical talks at various Technical Institutions.
- Invited as a judge for Project Exhibition at NMAMIT Nitte.
- Invited as a Judge for National level paper presentation contest held by The Institution of Engineers (India) local chapter Dharwad.
- Invited as a Chief Guest for Inauguration of Department Association at Dr MV Shetty Inst. of Tech Moodbidri.

#### **Papers Published:**

- INTERNATIONAL JOURNALS : **08**
- INTERNATIONAL CONFERENCES : **07**

#### **Others:**

- 1 Worked as Chief Editor of 1<sup>st</sup> College magazine “SAMBHRAMA” of HSIT Nidasoshi.
- 2 Worked as Chief Editor of 1<sup>st</sup> College magazine “DHITIKA” of SDMIT Ujire.
- 3 Established Machines Lab, HV Lab, AEC and LD Lab, PE Lab at SDMIT Ujire.
- 4 Handled Subjects like Design of Electrical Machines, Power Electronics, VLSI Design, Logic Design, Analog Electronics Circuits, Electrical Technology, Electrical Power Generation, Network Analysis, Transmission and Distribution, Transformers and Generators.

#### **Membership:**

- a. MISTE, Membership No. : LM28636.
- b. YHAI, Membership No. : 027/KAR/14/36301
- c. Kannada Sahitya Parishad, Bengaluru.

#### **Professional Experience Summary:**

Organization	Period		As	Area of work
	From	To		
Visvesvaraya Technological	July 2022	June 2025	Chairman, Board of	To monitor and review the existing programme structures, course syllabi, vis-à-

<b>University, Belagavi</b>			Studies, EEE	vis programmes of other Institutes, teaching and evaluation methodology, market requirement, modern trend and update the courses and programmes and make suggestions for amendments, if any.
<b>Hirasugar Inst of Tech. Nidasoshi</b>	June 2021	Dec 2022	Dean (Acad)	Managing the academic affairs of the college; leading, and coordinating college strategic planning and curriculum implementation; supervising, evaluating, and supporting Departments in a manner that promotes excellence in instruction, scholarly and creative productivity.
<b>Hirasugar Inst of Tech. Nidasoshi</b>	19 June 2018	Till date	Prof & Head	Department day today administration, Counseling of students, staff, parent interaction, Teaching,
<b>Jain College of Engg., Belagavi</b>	Dec 2015	Dec 2017	HOD	Department day today administration, teaching Counseling of students, staff, parent interaction
<b>Jain College of Engg., Belagavi</b>	July 2013	June 2018	Assoc. Prof	Teaching, Project coordinator, PG coordinator, IE(I) Staff Advisor
<b>SDM Inst of Tech Ujire</b>	July 2008	July 2013	Dean (Admn) & HOD (EEE)	Power Electronics, Electronic Instrumentation, Analog Electronics Circuits, Network Analysis. Administrative work
<b>Maratha Mandal Engineering College, Belgaum</b>	July 2006	July 2008	Assistant Professor & HOD	Electronic Instrumentation, Analog Electronics Circuits, Power Electronics. Administrative work
<b>KLE,s College of Engineering &amp; Technology, Belgaum</b>	October 2002	July 2006	Electrical Maintenance Engineer & Lecturer	Maintenance of Generators & Equipments of College Campus and Staff Quarters. Transmission & Distribution, Analog Electronics Circuit. Power Electronics,
<b>Rural Ebngineering College, Hulikoti</b>	February 2001	October 2002	Lecturer	Electronic Instrumentation, VLSI Design, Power Electronics
<b>STSKK, Polytechnic, Gadag</b>	July 1998	February 2001	Principal & HOD	Administration, Electronic Circuits, Network Analysis
<b>KLE's C B Kolli, Polytechnic, Haveri</b>	August 1993	July 1997	Lecturer	Electrical Technology

#### **PG Projects Guided :**

1. Improvement of Voltage Regulation by Enhancing Voltage Stability of a System using STATCOM

2. Power Quality Improvement of PEM-FC based Flexible AC Distribution System Device using Ultra capacitor Integrated Power Conditioner.

### **UG Projects Guided:**

1. **“Design and Implementation of control Techniques for PHEV” Sponsored by KSCST Bengaluru during 2019-20.**
2. **“Design and Implementation of Hybrid Powered Multifunction Bicycle” Sponsored by KSCST Bengaluru during 2022-23.**
3. **“Agricultural Pest Control Using Electronic System”** during 2019.
4. **“Digital PWM Converter for a low power switching controller and current estimator” Sponsored by KSCST** and selected for state level presentation 2010-2011
5. **“Post Paid and Pre Paid Electricity billing System” ---- Sponsored by KSCST Bangalore**
6. High Efficiency Induction Motor.---- **Won 2<sup>nd</sup> prize at State level Project Competition “SHRUSTI” held at Mysore.**
7. Variable Velocity control of hydraulic actuator using embedded controllers. ---- **Sponsored by GTRE Bangalore.**
8. Micro controller based programmable counter.
9. Digital Compass
10. MOSFET based 1- $\emptyset$  PWM Inverter with Variable Frequency and Variable Voltage

### **Courses Attended:**

1. Attended ATAL (AICTE Training and Learning Academy) FDP on “Leadership & Excellence” from 14/09/2020 to 18/09/2020 at Faculty of Engineering & Technology.
2. Attended many STTPs and FDPs during COVID -19 pandemic.
3. Attended VGST sponsored FDP on **Machine Learning and Data Analytics** organized by Dept of Computer Science and Engineering, HSIT Nidasoshi during 8-11 January 2020.
4. Attended AICTE sponsored STTP on **Controlling of Power Electronic Converters for Smart Power System** organized by Dept of Electrical & Electronics, NMAMIT Nitte during 15-20 July 2019
5. Attended National Workshop on **Modeling And Simulation of Power Electronic Converters Using Simulink** organized by Dept of Robotics and Automation Engineering, PSG College of Technology, Coimbatore during 2-3 July 2015.
6. Attended one month training on Train the Trainers program on Industrial Automation by Robert- Bosch at VTU Mysore from 2 July 12 to 28 July 2012
7. Two days National level workshop on “RECENT TRENDS IN POWER SYSTEMS” held at GIT Belgaum.
8. One day Workshop on “DIGITAL DESIGN Using FPGA” at BVB College of Engg. And Tech. Hubblili, Karnataka o 9<sup>th</sup> Feb. 2008
9. Short term course on “ Intelligent Control of Electric Drives “ from 31<sup>st</sup> July to 4<sup>th</sup> August 2006 held at IIT Roorkee

10. AICTE-ISTE sponsored STTP on “Applications Power Electronics to Power Systems” held at GVP Engg. College Visakhapatnam (A.P) during 2004.
  11. National Conference on “ POWER ELECTRONICS “ held at IIT Mumbai during 2003.
  12. Attended Five days Workshop on “ High Impact Teaching Skills” Conducted by Wipro’s Mission 10x Team
  13. Attended Two Days Advanced Workshop on “ High Impact Teaching Skills” Conducted by Wipro’s Mission 10x Team.
  14. One Day workshop on “ Mat Lab and its Applications” conducted by Crains Technology, Bangalore.
  15. Two Days Workshop on “ Research Methodologies” at SJCE, Mysore conducted by VTU Belgaum.
- And more.

### **Events Coordinated:**

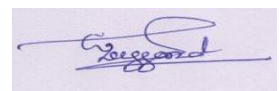
1. Organized **Six Days AICTE Sponsored STTP (on-line)** on Battery Management and Control Techniques in EVs during 23-28 Nov, 7 – 12 and 14 – 19 Dec 2020 for faculty of faculty and Industry people.
2. Organized One Day **FDP on Effective Conduction of Basic Electrical Engineering Laboratory -18ELEL17** for Faculty of VTU affiliated Engineering Colleges, on 3 August 2018. The FDP was sponsored by VTU.
3. Conducted 3 days Hands on **Workshop on MATLAB Simulink** during 11 -13 Aug 2016.
4. Worked as Coordinator in a national Level Faculty development Programme on “**Embedded Systems & Energy Management**”, held on March 2006 at KLE,s College of Engineering & Technology, Balgaum, Karnataka.
5. Worked as a Coordinator in a National Level Workshop on “ **Engineering Pedagogy**“, held on 29<sup>th</sup> & 31<sup>th</sup> July 2010 at SDMIT, Ujire, Karnataka.

### **IT Exposure :**

- Operating System : MS DOS, WINDOWS, Excel
- Office Management : MS - OFFICE.
- Design Tool : MATLAB, PSim, Simulink, Multisim.

### **Personal Details:**

**Date of Birth** : 1<sup>st</sup> June 1970  
**Phone Number** : 09343454993  
**Marital Status** : Married



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