




CURRICULUM VITAE

Name:	Dr. Basavaraj V. Madiggond	
Designation:	Professor, Dean (Acad) & HoD Chairman, Board of Studies in EEE of VTU, Belagavi	
Department:	Electrical & Electronics Engineering	
Specialization & Research Interests:	Power Electronics Electrical Drives Power System	
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1. ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University/Board
Ph.D	2018	Jawaharlal Technological University (JNTU), Hyderabad
M.E.	2000	Gulbarga University, Gulbarga
B.E.	1994	Karnataka Gulbarga, Dharawad

2. PROFESSIONAL EXPERIENCE:

Organization/Institute/University	Position Held	Duration
Hirasugar Institute of Technology, Nidasoshi	Dean (Academics)	Oct 2021 to till Date
Hirasugar Institute of Technology, Nidasoshi	IQAC Coordinator	Apr 2020 to Apr 2022
Hirasugar Institute of Technology, Nidasoshi	Professor & HoD	June 2018 to till Date
Jain College of Engg., Belagavi	Associate Professor & HoD	July 2013 to June 2018
SDM Institute of Technology, Ujire	Dean (Admn), Assistant Professor & HoD	July 2008 to July 2013
Maratha Mandal Engineering College, Belgaum	Assistant Professor & HoD	July 2006 to July 2008
KLE,s College of Engineering & Technology, Belgaum	Lecturer and Electrical Maintenance	October 2002 to July 2006
Rural Ebngineering College, Hulikoti	Lecturer	Feb 2001 to Oct 2002
STSKK, Polytechnic, Gadag	HoD , Principal	July 1998 to Feb 2001
KLE's C B Kolli, Polytechnic, Haveri	Lecturer	Aug 1993 to July 1997

3. ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
Chairman, Board of Studies in Electrical & Electronics Engg. of VTU, Belagavi	July 2022 to June 2025	<ul style="list-style-type: none"> Monitoring and reviewing the existing programme structures, course syllabi, programmes of affiliated Institutes, teaching and evaluation methodology, market requirement, modern trend Updating the courses and programmes and make suggestions for amendments, if any.
Dean (Academics)	Oct. 2021 to till Date	<ul style="list-style-type: none"> Monitoring and Implementing University Scheme and Solution Monitoring and Implementing Academic Policy decisions of IQAC Monitoring day to day academic activities of the institute Coordinating with faculty in developing learning material and implement pedagogical initiatives Acting as a platform of communication between

		<p>students, faculty and departments.</p> <ul style="list-style-type: none"> • Developing policies pertaining to admissions, placements and training activities. • Monitoring and guiding staff in AICTE & VTU approval process
Head of the Department	July 2018 to till Date	<ul style="list-style-type: none"> • Planning and implementing the academic strategy of the Department in line with Institute and University strategic plans and direction. • Ensuring all activities are carried out to the highest possible standards and put in place the necessary evaluation and monitoring procedures to ensure both compliance and improvement: including teaching, research and management of all resources • Overall leadership and management of the Faculty. • Developing and sustaining appropriate structures for management, consultation, decision-making and communication with staff and students. • Ensuring the best possible student experience. • Creating and exploiting new opportunities for knowledge transfer activity. • Ensuring that staff performance is managed appropriately and in a way that is consistent with the expectations of the institute Academic, and allotting fair workload. • Making effective use of all staffing resources. • Ensuring students are included as appropriate in the various decisions making.
IQAC Coordinator	Apr 2020 to Apr 2022	<ul style="list-style-type: none"> • To coordinate the dissemination of information on various quality parameters of higher education • To coordinate the documentation of the various programmes / activities leading to quality improvement • To coordinate the quality-related activities of the institution • To coordinate in preparation of the Annual Quality Assurance Report (AQAR) to be submitted to NAAC based on the quality parameters. • To coordinate the timely and efficient execution of the decisions of IQAC committee
Member, Governing Council	Apr 2020 to till Date	<p>Assisting to</p> <ul style="list-style-type: none"> • Formulate academic aims and objectives of the institution and guide the institute towards the achievement of the same. • Examine the recommendations of College Academic Council and prepare a road map for achieving the

		<p>goals of the institution.</p> <ul style="list-style-type: none"> • Monitor academic, research and other related activities of the college and guide them in the correct direction. • Prepare strategic plans for financial, infrastructural and staffing areas • Consider the recommendations of the staff selection committee and approve the same. • Consider the important communications, policy decisions received from the University, Government, AICTE, UGC etc. • Encourage and facilitate college apply for Accreditations/Certifications, if any • Facilitate and encourage college faculty apply for research projects/proposals • Monitor the student and faculty development programs and guiding the college appropriately so that they achieve the end objectives. • Facilitate starting of new UG/PG programs, deciding on discontinuing any existing programs and increase/decrease intake into any UG/PG program. • Consider the recommendations of the College Academic Committee of the college and direct them for implementation • Examine the budget proposals and accord approval. • Pass the annual budget of the college.
Editor of College magazine "SAMBHRAMA-2018"	2018-19	<ul style="list-style-type: none"> • Collecting articles, drawings, photos of events and editing. • Verifying the printed data and correcting if any.

4. COURSES TAUGHT:

1. Basic Electrical Engineering
2. Analog Electronic Circuits
3. Electric Power Generation
4. Digital Electronics
5. Network Analysis
6. Electrical and Electronics Measurements
7. Power Electronics
8. Transmission and Distribution
9. Electrical Machine Design
10. Industrial Drives
11. Electrical Power Utilization
12. Operation Research

5. RESEARCH SUPERVISION:

A.	Ph.D:		
	i. Awarded		:Nil
	ii. Submitted		:NIL
	iii. Ongoing		:02
B:	M.Tech.		
	i. Awarded		:04
	ii. Submitted		:NIL
	iii. Ongoing		:NIL
C.	BE/B.Tech Degree Oriented (Bachelor Level Dissertation):		
	i. Awarded		:25
	ii. Submitted		:NIL
	iii. Ongoing		:02

6. CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:

- Established Basic Electrical lab during 2018.
- Dean (Academics) since 2021.
- Member of Governing Council since 2020.
- IQAC Coordinator from Apr2020 to Apr 2022.
- Head of the Department since 2018.
- Coordinator Research centre of EEE since 2018.
- Editor of College Magazine for 2018.
- Member, R & D Cell.
- Member, Staff Performance Review Committee.
- Member, Anti Ragging Committee.
- Member, Anti Ragging Squad.
- Member, Grievance Redressal Committee.
- Member, NBA Quality Assurance Committee.
- Member, NAAC Committee.
- Member, Board of Studies (EEE) of VTU Belagavi.
- Member, Kannada Technical Dictionary Team, VTU, Belagavi.

7. MEMBERSHIP OF SOCIETIES/PROFESSIONAL BODIES: ISTE

8. PUBLICATIONS:**A. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:****i. Design and Implementation of Z Source Based Multilevel Inverter.**

Journal Name : Sambodhi, (UGC Care Journal)
Vol. 43, No.03 (III), November-December 2020
ISSN: 2249-6661 Page No : 37-42

ii. Optimization of Filter Elements in DC-DC Closed loop Boost Converter.

Journal Name : International Journal of Computer Application,
Vol. 184, No. 1, May. 2018 Impact Factor:
Page No : 124-130

iii. Design Optimization for Low Voltage DC-DC Converter with Coupled Inductor**Topology**

Journal Name : Asian Power Electronics Journal,
Vol. 9, Issue. 1, Dec. 2015
Page No : 20 – 27
Impact Factor:

iv. Behavioral Analysis of Three stage Interleaved Synchronous DC-DC Converter for VRM Applications.

Journal Name : International Journal of Emerging Technology in Computer Science and Electronics. Impact Factor:
ISSN : 0976-1353
Vol No : 14 Issue No :2
Year / Month of Publication : April 2015
Page No : 481 – 487

v. Design Issues with a Synchronous Buck Converter for VRM

Journal Name : International Journal of Advances in Electrical And Electronics Engineering
Vol No : 1 Issue No : 2 Impact Factor:
ISSN : 2319 -1112
Year / Month of Publication : December 2012
Page No : 262 – 270

vi. Loss Analysis of Single Stage Synchronous Buck Converter

Journal Name : International Journal of Emerging Technology And Advanced Engineering
ISSN : 2250 – 2459 Impact factor:
Vol No : 2 Issue No :4
Year / Month of Publication : April 2012
Page No : 403 – 405

vii. Design Issues in Single Stage Synchronous Buck Converter

Journal Name : International Journal of Emerging Technology And Advanced Engineering
ISSN : 2250 – 2459 Impact factor:
Vol No : 2 Issue No :4
Year / Month of Publication : April 2012
Page No : 452 – 456

B. PAPERS IN CONFERENCES PROCEEDINGS:**i. Design and Simulation of Multiphase Synchronous DC-DC Converter**

Authors : Basavaraj Madiggond, H.N. Nagaraja

Venue : KLE Society's Dr. M S Sheshagiri College of Engineering and Technology, Belagavi, Karnataka.

Held on May 20-22, 2016.

International Conference on Smart Electronic Systems ICSES 2016

ISSN 2350-1111 Pg No : 31 -34

ii. Behavioral Analysis of Three stage Interleaved Synchronous DC-DC Converter for VRM Applications

Authors : Basavaraj Madiggond, H.N. Nagaraja

Venue : Jain College of Engineering, Belagavi 14, Karnataka, India.

Held on 25th April 2015

International Conference on Emerging Trends in Engineering.-2015

ISBN : 978-93-84893-28-6 Paper No-15, Pg No: 81

iii. Design Parameters for Synchronous Buck Converter

Authors : Basavaraj Madiggond, H.N. Nagaraja

Venue : Chitkara University Chandigarh

Held during 26 October 2012

Power Electronics And Energy Systems (PEES-12)

ISBN : 978-81-920249-8-1 Pg No : 56 -61

iv. A Novel Approach to Improve the Efficiency of Synchronous Buck Converter

Authors : Basavaraj Madiggond, H.N. Nagaraja

Venue : Shri Vaishnav Institute Of Technology And Science, Indore, Madhya Pradesh, India.

Held during : January 23 - January 25 2014

AICTESponsored International Conference On Instrumentation, Communication, Electrical & Electronics

9. INVITED TALKS: 06

- i. 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.
- ii. Delivered a recorded talk on **Overview of Electric Vehicles** organized by Institute of Engineers India (IEI) Dharwad Local Chapter on 18 Aug 2020. The talk was made available on the IEI, DLC website and circulated through WhatsApp.
- iii. 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.
- iv. Delivered a talk on **NAAC & NBA Accreditation Process** at Moodlakatte Institute of Technology, Moodlakatte on 04 Nov. 2019.

- v. 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.
- vi. Delivered Expert talk on Power Electronics And Applications at S G Balekundri Institute of Technology, Belagavi during 2015.

10. PARTICIPATION & PRESENTATIONS IN SEMINARS /SYMPOSIA/

WORKSHOPS/ CONFERENCES: 17

- i. Attended online Faculty Development Program on **Leadership & Excellence** organized by AICTE Training And Learning (ATAL) Academy during 14-18 September 2020 at Faculty of Engineering & Technology, Uttarakhand.
- ii. Attended online Short Term Training Program on **Power Electronics Applications to Industrial Systems** organized by Electrical Engineering Department, National Institute of Technology (NIT) Silchar, Assam during 7-11 September 2020.
- iii. Attended Online National Three Day Faculty Development Program on **Real Challenges and Development with Integrated Energy Sources for Electric Vehicles in Modern Days** organized by Dept of Electrical and Electronics Engineering, Sir M Visvesvaraya Institute of Technology, Bengaluru during 1-3 July 2020.
- iv. Attended Online National Workshop on **PLECS Tool for Power Electronics Applications** organized by Dept of Electrical and Electronics Engineering, VRSEC, Vijayawada, Andra Pradesh in association with PLEXIM Switzerland and Sponsored by AICTE during 2-6 July 2020.
- v. Attended Online National Five Day Faculty Development Program on **Challenges and Opportunities in Smart Grid** organized by Dept of Electrical and Electronics Engineering, Ramaiah Institute of Technology, Bengaluru in association with IEE PES Bangalore Chapter during 20-24 July 2020.
- vi. Attended AICTE Sponsored Short Term Training Program on **Control of Power Electronic Converter for Smart Power Systems** organized by Dept of Electrical and Electronics Engineering, NMAM Institute of Technology, Nitte, Karnataka during 15-20 July 2019.
- vii. 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.
- viii. Attended Two Week ISTE Workshop on **Analog Electronics** organized by Indian Institute of Technology, Kharagpur under National Mission on Education through ICT during 4-14 June 2013.
- ix. 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.
- x. Two days National level workshop on “RECENT TRENDS IN POWER SYSTEMS” held at GIT Belgaum.
- xi. One day Workshop on “**DIGITAL DESIGN using FPGA**” at BVB College of Engg. and Tech. Hubli, Karnataka o 9th Feb. 2008
- xii. Short term course on “**Intelligent Control of Electric Drives** “ from 31st July to 4th August 2006 held at IIT Roorkee.

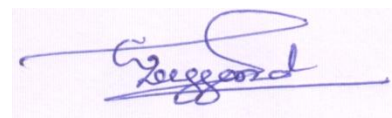
- xiii. AICTE-ISTE sponsored STTP on “**APPLICATIONS POWER ELECTRONICS TO POWER SYSTEMS**” held at GVP Engg. College Visakhapatnam, (A.P) during 2004.
- xiv. Attended Five days Workshop on “**High Impact Teaching Skills**” Conducted by Wipro’s Mission 10x Team
- xv. Attended Two Days Advanced Workshop on “**High Impact Teaching Skills**” Conducted by Wipro’s Mission 10x Team.
- xvi. One Day workshop on “**MatLab and its Applications**” conducted by Crains Technology, Bangalore.
- xvii. Two Days Workshop on “**Research Methodologies**” at SJCE, Mysore conducted by VTU Belgaum.

11. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

- 1. Member Board of Studies in EEE stream of Visvesvaraya Technological University, Belagavi.
- 2. Member Board of Examiners of Visvesvaraya Technological University, Belagavi.
- 3. Member, Kannada Technical Dictionary preparation Committee, Visvesvaraya Technological University, Belagavi.
- 4. Reviewer of International Conferences.

12. ANY OTHER SIGNIFICANT INFORMATION:

- 1. Established Basic Electrical Engineering Lab
- 2. Established Motor Rewinding Lab
- 3. Organized Six Days STTP (in 3 Phases) on “Battery Management and Control Techniques in EVs” Sponsored by AICTE New Delhi during Nov and Dec 2020.
- 4. Received Approx. 1 lac from KREDL to organize Energy Awareness Program during 2019 & 2020.
- 5. Organized A one day work shop on Effective conduction of Basic Electrical Engineering Laboratory -18ELEL17 on 3rd August 2018. Sponsored bt Visvesvaraya Technological University, Belagavi.



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