




CURRICULUM VITAE

Name:	Prof. D. B. Madihalli	
Designation:	Assistant Professor	
Department:	Electronics & Communication Engineering	
Specialization & Research Interests:	Industrial Electronics & Electronics and Image Processing	
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2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University/Board
Master of Technology	2013	VTU, Belagavi
Bachelor of Engineering	2005	VTU, Belagavi

3. ANY OTHER QUALIFICATION: NIL

4. PROFESSIONAL EXPERIENCE:

Organization/Institute/University	Position Held	Duration(Years)
Hirasugar Institute of Technology, Nidasoshi	Lecturer	18-05-2007 to 01-05-2011
Hirasugar Institute of Technology, Nidasoshi	Sr. Lecturer	01-05-2011 to 01-08-2015
Hirasugar Institute of Technology, Nidasoshi	Assistant Professor	01-08-2015 to till date

5. ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
Dept. NBA Coordinator	2107 to Till date	1. Assisting all criteria wise coordinators to prepare the criteria files and update every semester and Coordinating and supervising the progress of criteria wise files in every semester. 2. Recommends and facilitates to organize and participate in Workshops, Guest Lectures/Technical Talk, FDP's/STTP's & Webinars, to meet the course outcomes.
Dept. LIC Coordinator	2016 to Till date	1. Assisting all faculty members to prepare subject file & personal file as per the check list. 2. Updating online LIC report.
Dept.NBAC-5 Coordinator	2007 to Till date	Collect the faculty information's & contributions details & update the file.
Dept. Publicity Coordinator	2017 to Till date	Upload the faculty profiles, dept. events details & achievements in college website & dept. face book.

6. COURSES TAUGHT:

- Introduction to Electronics & Communication Engineering
- Digital System Design using Verilog
- Electronic & Instrumentation
- Linear Integrated Circuits
- Microwave & Radar
- Automotive Electronics
- Management & Entrepreneurship
- Microelectronic Circuits
- Engineering Statistics & Linear Algebra
- Computer Communication Network
- Introduction to Python Programming

7. RESEARCH SUPERVISION:**A.Ph.D:**

- i. Awarded :--
- ii. Submitted : --
- iii. Ongoing : --

B: M.Tech.

- i. Awarded :--
- ii.Submitted :--
- iii.Ongoing :--

C. BE/B.Tech Degree Oriented (Bachelor Level Dissertation):

- i. Awarded : 14
- ii. Submitted :--
- iii. Ongoing : 01

8. CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:

- i. Chairman, Sports & Cultural Committee
- ii. Member, NBA Quality Assurance Committee
- iii. Member, Publicity/Advertisement/Institute
- iv. Member, Alumni Association
- v. Coordinator, Three Days National Level Online FDP on “Advanced Research Trends in Image Processing” on 14-07-2020 to 16-07-2020, HIT, Nidasoshi.
- vi. Setup Industry Oriented IOT lab.
- vii. Coordinator, Three days workshop on “ IOT and Arduino IDE”on 16th to 18th December, 2021, HIT, Nidasoshi.
- viii. Resource Person, Three days workshop on “Basic Arduino Programming”on 17th to 19th January, 2023, HIT, Nidasoshi.

9. MEMBERSHIP OF SOCIETIES/PROFESSIONAL BODIES:

- i. Life Member of Indian Society for Technical Education–LM101075.
- ii. Professional Membership at Ignited Minds Professional & Academic Research Consortium.

10. PUBLICATIONS:

A. BOOKS/MONOGRAPHS:

1. Authored:

i. Nil

ii. Nil

iii. Nil

2. Edited:

i. Nil

ii. Nil

iii. Nil

B. PAPERSINREFEREED/PEERREVIEWEDJOURNALS:

- i. Mallikarjun Sarsamba , D.B. Madihalli , D.M. Kumbhar, “An Artificial Intelligence Based User-Friendly Two-Way Sign Language Translator for Deaf and Dumb People of India”, International Journal of Advanced Technology in Engineering & Science, Volume 11, Issue 12 , pp. 45-49, December 2023 (ISSN : 2348-7550).
- ii. Prof. D. B. Madihalli , Ms. Ashrafi M. Attar, Ms. Rutika A. kanade, Ms. Viajaylaxmi S. Avarade “Accident Detection and Smart Ambulance Management System” Journal of Emerging Technologies and Innovative Research, Volume 9, Issue 8 , pp. e807-e810, August 2022 (ISSN : 2349-5162).
- iii. Prof.D.B.Madihalli,Mr.A.P.Madihalli,Ms.D.I.Nerli,Ms.P.B.maradi,Ms. S. T. Yegappagol “Efficient Industry Automation with safety security and monitoring the process through IOT” Journal of Emerging Technologies and Innovative Research, Volume 8, Issue 9 , pp. e807-e810, September 2021 (ISSN : 2349-5162).
- iv. Mr.D.B.Madihalli, Mr. Sangamesh Kodekalmath, “Wireless Black Box System for Vehicles ”, Journal of Emerging Technologies and Innovative Research, Volume 7, Issue 8 , pp. 301-304, August 2020 (ISSN : 2349-5162).
- v. Mr.D.B.Madihalli, Miss Aruna Chougala, “ Advanced Home Automation System using Raspberry Pi ”, Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 6 , pp. 982-985, June 2019(ISSN :2349-5162).
- vi. Mr.D.B.Madihalli, Mr.D.M.Kumbhar, Mr.P.V.Patil, Mr.S.S.Ittannavar, “ Agricultural Robot”, Journal of Emerging Technologies and Innovative Research,Volume5,Issue9,pp.292-294,September2018(ISSN:2349-5162).
- vii. Mr.D.B.Madihalli, Mr.S.S.Ittannavar, “Arduino based automated sericulture system ” Journal of Advances in Science & Technology, Vol. 14, Issue No. 1, pp.39-42, June2017(ISSN2230-9659).
- viii. Miss.R.P.Chimane , Miss.A.T.Kambhar , Mr.D.B.Madihalli , “ Preprocessing Techniques for enhancement of MRI brain images”, Journal of Advances in Science & Technology , Vol. 12 , Issue No. 25, pp. 266-269, December 2016 (ISSN 2230-9659).

- ix. Mr.D.B.Madihalli, Mr.S.S.Ittannavar, "Smart Water Supply Management", International Journal of Emerging Trends in Electronics & Communication (IJNTEC) , Vol. 3 , Issue No. 2, pp. 6-8, August 2015 ,(ISSN 2347-7334).
- x. Mr.D.B.Madihalli , Mr.V.M.Chougala , "Boosting Input Voltage & Improving PF using PFC Circuit" , International Journal of Advanced Information Science & Technology (IJAIST) , Vol. 31, Issue No. 31, pp. 91-95, November 2014 (ISSN 2319-2682).

C. PAPERS IN CONFERENCES PROCEEDINGS:

- i. Presented Technical Paper entitled "An Artificial Intelligence Based User-Friendly Two-Way Sign Language Translator for Deaf and Dumb People of India" in international Conference on Recent Trends in Engineering & Technology, HSIT, Nidasoshi during 8th & 9th December, 2023.
- ii. Presented Technical Paper entitled "Wireless Black Box System for Vehicles" in international Conference on Computing, Communication and Information Technology held at Chennai Institute of Technology, Chennai during 30th & 31st July, 2020.
- iii. Presented Technical Paper entitled "Comparative Analysis of Filtering Techniques for Ultrasound Images of Bone Fracture" in national level conference on Recent Advancements in Electronics & Communication Engineering held at KLECET Chikodi during 9th & 10th March 2018.
- iv. Presented Technical Paper entitled "Preprocessing Techniques for enhancement of MRI brain images" in international Conference of recent innovations in engineering on 8th & 9th, October 2016 held at HIT, Nidasoshi.
- v. Presented Technical Paper entitled "Improving Power Factor of Single Phase Boost Circuit Using Parallel Boost Converter" in 4th National Conference on Advanced Techniques in Electrical & Electronics Engineering on 4th May, 2013 held at SJBIT, Bangalore.

11. **Patents/Copyrights/IPR(If Any):**NIL

12. **INVITED TALKS:**

Organized:

- i. Organized & as Resource Person, Three days workshop on “Basic Arduino Programming “on 17th to 19th January, 2023, HIT, Nidasoshi.
- ii. Organized three days workshop on “IOT and Arduino IDE” on 16th to 18th December, 2021, HSIT, Nidasoshi.
- iii. Organized webinar on “Deep Learning & its applications” on 29th October, 2021 held at HSIT, Nidasoshi.
- iv. Organized webinar for the topic “Psychological Impact of COVID-19 and Ways to Overcome” on 3rd July, 2021 held at HSIT, Nidasoshi.
- v. Organized webinar for the topic “H1B, COVID and Your American Education Dream” on 22nd July, 2020 held at HSIT, Nidasoshi.
- vi. Organized 3 Days National Level online FDP on “Advanced Research Trends in Image Processing” from 14th to 16th July, 2020 held at HSIT, Nidasoshi.
- vii. Applied VGST Proposal FDP for the topic “Long Range Wide Area Network (LoRa WAN) Technology for IoT Applications” during 2019-20.
- viii. Organized Guest Lecture for the topic “LoRa” on 30-09-2019 by the resource person Mr.Vinayak R. Dhongade, AMSA Embedded Solutions, Hubli held at HIT, Nidasoshi.
- ix. Organized three days workshop for the topic “IOT Using Node MCU” from 22-02-2019 to 24-02-2019 by the resource person Mr.Shitalkumar Boraganve, HCL Technologies, Bangalore held at HSIT, Nidasoshi.
- x. Organized two days workshop for the topic “Professional Android Application Development”from 15-03-2014to16-03-2014bytheresource person Mr. Shitalkumar Boraganve, HCL Technologies, Bangalore held at HIT, Nidasoshi.

i.

13. RESEARCH PROJECTS (COMPLETED/ONGOING): Nil

14. PARTICIPATION & PRESENTATIONS IN SEMINARS/SYMPOSIA/WORKSHOPS/ CONFERENCES:

Sl.No.	Topic			Venue
		From	To	
1	FDP on "Role Of Technology For Sustainable Agriculture & Agri Entrepreneurship"	04-10-2021	08-10-2021	TCE,Gadag
2	Training on "Cyber Safety & Security"	26-07-2021	31-07-2021	Information security education & awareness, Delhi
3	DP on "Introduction to microstrip FPGA"	19-07-2021	23-07-2021	BIT, Davanagere
4	STTP on "Battery Management and control techniques in electrical vehicles"	14-12-2020	19-12-2020	HSIT, Nidasoshi
5	Webinar on "Mental Health Management"	28-07-2020	28-07-2020	HSIT, Nidasoshi
6	FDP on "Advances in signal processing & their applications"	27-07-2020	31-07-2020	Shivamogga
7	Webinar on "H1B, COVID and Your American Education Dream"	22-07-2020	22-07-2020	HSIT, Nidasoshi
8	Webinar on "World of AI – Yesterday, Today and Tomorrow"	21-07-2020	21-07-2020	ATME College of Engineering, Mysore
9	FDP on "Applications of Image Processing"	14-07-2020	18-07-2020	St.JCE, Chennai
10	Webinar on "Career Through Competitive Examinations"	16-07-2020	16-07-2020	Hazarimal Somani College of Arts and Science, Mumbai
11	Three Days National Level Online FDP on "Advanced Research Trends in Image Processing"	14-07-2020	16-07-2020	HSIT, Nidasoshi
12	Webinar on "Art of Success for Civil Services"	11-07-2020	11-07-2020	HSIT, Nidasoshi
13	Webinar on "Education Abroad"	06-07-2020	06-07-2020	HSIT, Nidasoshi
14	Two Days National Level Webinar on "Research Trends in Image Processing & Pattern Recognition"	29-06-2020	30-06-2020	Brindavan College of Engineering, Bengaluru
15	Webinar on "How to Crack GATE in first attempt"	28-06-2020	28-06-2020	HSIT, Nidasoshi
16	Webinar on "An introduction and Overview of AWS Cloud Computing Services"	24-06-2020	24-06-2020	Vemana Institute of Technology, Bengaluru

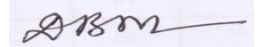
17	Webinar on "Career After Covid-19"	21-06-2020	21-06-2020	HSIT, Nidasoshi
18	One Week FDP on "Machine Learning Based Project Architecture Design"	15-06-2020	19-06-2020	BEC, Bagalkot
19	Two Days Online FDP on "Skill Enhancement for Academicians"	08-06-2020	09-06-2020	JCE, Belagavi
20	Three Days Online FDP on "Recent Trends in Wireless Sensor network and Communication System"	03-06-2020	05-06-2020	VSM's SRKIT, Nipani
21	Webinar "Design of Analog Layout & Opportunities and Challenges in Semiconductor Domain"	01-06-2020	02-06-2020	KLECET, Chikodi
22	Three Days Online FDP on "Emerging Technologies in IT Industry"	28-05-2020	30-05-2020	JCE, Belagavi
23	Webinar on "Measurement Technology – Industrial Sensors"	24-05-2020	24-05-2020	SJBIT, Bengaluru
24	Four Days Workshop on "Design & Simulation of Microstrip Antenna using HFSS Tool"	26-02-2020	29-02-2020	HIT, Nidasoshi
25	Two Weeks FDP on "Current Practices & Critical Issues for OBE in Engineering Education / Institutions"	27-01-2020	07-02-2020	BEC, Bagalkot
26	Four Days FDP on "Machine Learning & Data Analytics"	08-01-2020	11-01-2020	HIT, Nidasoshi
27	One Week FDP on "Internet of Things & Its Real Time Applications"	28-01-2019	02-02-2019	HIT, Nidasoshi
28	Five Days STTP on "Algorithms and Architectures for High Efficient Video Processing Systems"	20-08-2018	24-08-2018	NITK, Surathkal

15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS: NIL

16. ANY OTHER SIGNIFICANT INFORMATION:

- i. Participated in National Level Online Technical E-Quiz on "Transmission & Distribution of Electrical Power" conducted by SJMIT, Chitradurga during 9th July to 12th July, 2020.
- ii. Attended National Level Online Quiz on "Basics of Electrical & Electronics Engineering" on 11-07-2020 conducted by KLECET, Belagavi.
- iii. Participated in Online Quiz (Phase I) on "C-Programming" conducted by VSM's SRKIT, Nipani during 6th to 10th July, 2020 and scored 100% marks.
- iv. Participated in National Level Online Quiz on "Python Application Programming" on 23-06-2020 and secured 95% marks.
- v. Participated in E-Quiz during 12th to 19th June, 2020 with passing score 87% organized by KLECET, Chikodi.

- vi. Guided UG Project selected in KSCST, Bengaluru for the topic “Smart Water Supply Management” during 2013-14.
- vii. Guided UG Project selected in VTU Sponsored, Belagavi for the topic “Accident Detection and smart ambulance management system” during 2021-22.



(Prof.D.B.Madihalli)