



CURRICULUM VITAE

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Designation: Assistant Professor
Department: Electrical and Electronics Engineering
Specialization & Research Interests: Digital Electronics & Predictive maintenance
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 Chikkodi Dt:- Belgaum
 Karnataka Pin 591214



2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University/Board
M.Tech (Digital Electronics)	2015	VTU, Belgavi

3. ANY OTHER QUALIFICATION: Nil

4. PROFESSIONAL EXPERIENCE:

Organization/Institute/University	Position Held	Duration
Hirasugar Institute of Technology,Nidasoshi	Lecturer	02/02/2009 to 31/03/2016
Hirasugar Institute of Technology,Nidasoshi	Asst. Professor	01/04/2016 to till date

5. ADMINISTRATIVE ASSIGNMENTS:

NIL

6. COURSES TAUGHT:

- I. Basic Electrical Engineering
- II. Transformer and generator
- III. Electrical circuit analysis
- IV. Logic design
- V. Digital system design
- VI. Power generation and economics
- VII. Electromagnetic field theory
- VIII. Transformer and induction machines
- IX. Direct current and synchronous machines
- X. Renewable energy sources
- XI. High voltage engineering
- XII. Electrical machine design
- XIII. Digital signal processing
- XIV. Industrial drives and application
- XV. Introduction to C programming
- XVI. Indian knowledge system

7. RESEARCH SUPERVISION:

- C. BE/B.Tech Degree Oriented (Bachelor Level Dissertation):
- Awarded :17
 - Submitted : Nil
 - Ongoing :04

8. CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:

NIL

9. MEMBERSHIP OF SOCIETIES/PROFESSIONAL BODIES:

Life time member of "Indian Society for Technical Education

10. PUBLICATIONS:

A. BOOKS/MONOGRAPHS:

NIL

B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

- Publication in journal of advances in science and technology entitled "Power system automation using Ethernet".
- Publication in Recent trends in engineering and technology entitled "Internet of things Based Vehicle Accident Prevention and Detection System" ISBN-978-93-91535-97-1
- Publication in International Journal of Electrical and Electronics Engineers(IJEEE) O- ISSN 2321-20255, ISSN-P 2321-2045, Volume 15, Issue No. 02, July- Dec 2023. Internet of things based vehicle accident and prevention and detection system
- Publication in Fourth international conference Recent trends in Engineering and technology (ICRTET)-march 2025-ISBN-978-93-48954-14-5 entitled "Design and development of electrical machine health monitoring and diagnosis system using fuzzy logic"

C. PAPERS IN CONFERENCES PROCEEDINGS:

- Presented paper in journal of advances in science and technology entitled "Power system automation using Ethernet".
~~http://hsit.ac.in~~ <http://hsit.ac.in>

ii) Presented paper entitled "Virtual Model for Automatic Synchronization of Alternator with Infinite Bus Bar Using MATLAB SIMULINK" in the Proceedings of 2nd International conference on Recent Innovations in Science, Engineering & Technology (ICRISET-2019) held on 18th & 19th July 2019 at Hirasugar Institute of Technology Nidasoshi, Belagavi .

iii)) Presented paper entitled " internet of Things Based Vehicle Accident Prevention

and Detection System" in the Proceedings of conference Recent trends in engineering and technology held on at Hirasugar Institute of Technology Nidasoshi, Belagavi .

iv) Presented paper entitled 'Design and development of electrical machine health

monitoring and diagnosis system using fuzzyl ogic" in Fourth international

conference Recent trends in Engineering and technology (ICRTET)-march 202

11. Patents/Copyrights/IPR (If Any)

NIL

12. INVITED TALKS:

NIL

13. RESEARCH PROJECTS (COMPLETED/ONGOING):

Artificial intelligence and machine learning based condition monitoring and fault diagnosis of synchronous and asynchronous machines

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

Sl. No.	Topic	Period	Date	Venue
	Fourth international conference Recent trends in Engineering and technology (ICRTET)	2 day	7 th to 8 th March 2025	HSIT, Nidasoshi
	Three days FDP on Connecting tradition and innovation A faculty exploration of Indian knowledge system	3 days	3 rd to 5 th March 2025	Mysuru
	One week FDP AI-ML based smart grid	1 week	30 th Jan to 3 rd Feb 2025	Bagalkot
	One Day Online Workshop on "Build with AI: Introduction to Gemini 2.0 Flash"	1 day	09/04/2025	HSIT, Nidasoshi

1.	A Seminar on "Basics of PLC, HMIs and Industry 4.0," Nidasoshi Hirasugar Institute of Technology	1 day	08/11/2024 Faculty Profile for HSIT website	HSIT, Nidasoshi
2.	Technical talk on "Energy Audit, Need of the Hour: Empowering buddy Engineers for a Greener Future"	1 day	16/01/2024	HSIT, Nidasoshi
3.	Webinar on "GATE Exam Opportunities and Preparation Strategy"	1 day	05/01/2024	HSIT, Nidasoshi
4.	Talk on "Entrepreneurship"	1 day	28/12/2023	HSIT, Nidasoshi
5.	Presented paper entitled "Internet of Things Based Vehicle Accident Prevention and Detection System"	1 day	02, July- Dec 2023	HSIT, Nidasoshi
6.	Webinar on "PCB Design"	1 day	24/07/2023	HSIT, Nidasoshi
7.	An Awareness Program on "Electrical Safety Measures"	1 day	28/06/2023	HSIT, Nidasoshi
8.	Technical talk on "Analog & Digital IC Design Flow"	1 day	18/11/2022	HSIT, Nidasoshi
9.	Seminar on "Technological Updates on Renewable Energy Sources"	1 day	18/11/2022	HSIT, Nidasoshi
10.	Awareness Program on "Final Year Project & its Components"	1 day	30/09/2022	HSIT, Nidasoshi
11.	Webinar on Intellectual Property Rights Program	1 day	12-05-2022	HSIT, Nidasoshi
12.	FDP on Software Engineering and Testing Methodologies	4 days	16-03-2022 To 19-03-2022	HSIT, Nidasoshi
13.	Four days workshop on "MatLab and Simulink"	4 days	08-12-2021 To 11-12-2021	HSIT, Nidasoshi
14.	AICTE Sponsored One Week Online Short Term Training Program on "Battery Management and Control Techniques in Electric Vehicles"	1 Week	7 -12-2020 To 12-12 2020	HSIT, Nidasoshi
15.	Attended a webinar on "Energy and Environment Problems Facing the Third World and their Probable Solutions for Sustainable Development and Poverty Alleviation" by Dr. D. P. Kothari, Ex. Director IIT,	1 day	27-07-2020	HIT, Nidasoshi

	Delhi and Ex. Vice-Chancellor of Technology, Nidasoshi		Faculty Profile for HSIT website	6
16.	Attended one-week online Faculty Development Program on "Recent Trends in Power Systems"	1-week	22/06/2020 to 26/06/2020	Sharad Institute of Technology, College of Engineering, Yadrav
17.	Attended webinar on "INDUSTRY 4.0"	1 day	22 nd June 2020	KLE College of Engineering, Belagavi.
18.	Attended webinar on ""Protective Switchgear-Impacts & Applications"	1 day	15 June 2020	Department of Electrical & Electronics Engineering, Basaveshwar Engineering College(A), Bagalkot
19.	Attended webinar on "IPR: Patent Filling Procedure"	1 day	10/06/2020	Dept. of EEE SDM College of Engineering & Technology, Dharwad.
20.	Participated in "Awareness Program on Intellectual Property Rights"	1 day	15/05/2020.	Rajgad Dnyanpeeth"s Shri Chhatrapati Shivajiraje College of Engineering
21.	Attended AICTE Sponsored 2-weeks faculty development program on "Current practices and critical issues for OBE an Engineering Education/ Institution"	2-weeks	27th Jan to 7th Feb 2020	Basaveshwar Engineering College (A), Bagalkot.
22.	Participated in Energy fest on " national energy conservation week"	1 day	20 dec 2019	HIT,Nidasoshi
23.	Attended four days workshop on "Baics of MATLAB and Simulink"	4 days	19-09-2019 to 22-09-2019	HIT,Nidasoshi
24.	Participated in International conference on Recent Innovations in Science, Engineering & Technology (ICRISET-2019) and presented paper entitled "Virtual Model for Automatic Synchronization of Alternator with Infinite Bus Bar Using MATLAB SIMULINK	2 days	18 th & 19 th July 2019	HIT,Nidasoshi
25.	Attended a one-week FDP on "Internet of Things and Its Real Time Applications	1 week	28 th Jan 2019 to 2 nd Feb 2019	HIT,Nidasoshi
26.	Attended workshop on	1 day	3 aug 2018	HIT,Nidasoshi

0	"Effective Conduction of Basic Electrical Engineering Laboratory"	Hirasugur Institute of Technology, Nidasoshi	Faculty Profile for HSIT website	7
27.	Participated in International conference on recent innovations in Engineering & presented paper entitled "Power system automation using Ethernet".	2 days	8 to 9 oct 2016	HIT Nidasoshi
28.	faculty development program on "Computer Aided Electrical Drawing" (Using AutoCAD)	3 days	14 th December 2013 at	HIT Nidasoshi
29.	Attended FDP on Research methodologies & Effective teaching skills	1 day	8 Feb 2013	VSM Nippani
30.	Workshop on signals and system	3 days	4 to 6 october 2012	HIT Nidasoshi
31.	Workshop on Applications of mathematics in Engineering	2 days	30-08-2013 To 31-08-2013	HIT Nidasoshi

15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

1. A project entitled " Design and development of selective Betel Leaf plucking robot" was sponsored by KSCST,Bangalore with sponsorship amount of 5500/- carried out by Mr Swapnil mali & team under my guidance during SSP-48 th series ,2023-24.

2 Conducted various workshops, FDP's, competitions & events both national & institute level as Department Association coordinator.

16. ANY OTHER SIGNIFICANT INFORMATION:

- Developed Electrical circuit analysis subject hardware laboratory.
- Developed Introduction to C programming subject laboratory.
- Developed manual for electrical machine using scilab code.
- Contribution in creating formula book for first year basic electrical engineering subject.
- Developed formula book for electrical circuit analysis subject.
- Completed NPTEL Online Certification on "Electrical Machines- I", Sep-Dec 2020 (12- Week Course), Conducted by IIT – Kharagpur.

Completed NPTEL Online Certification on "Digital logic circuit", Sep-Dec 2020
<http://hsit.ac.in> <http://hsit.ac.in>

(12- Week Course),

Hirasugar Institute of Technology, Nidasoshi

Faculty Profile for HSIT website

- Completed NPTEL Online Certification on “Student Psychology”, Aug-Nov 2020
(8-Week Course), Conducted by National Institute Of Technical Teachers Training
And Research, Chennai.

8

(Amit U Neshti)