

S J P N Trust's Hirasugar Institute of Technology, Nidasoshi

FACULTY PROFILE

1. **Name in full** : Prof. Onkar B Heddurshetti
2. **Contact Nos.** : 9448420509, 9480849340
3. **Email ID** : obheddurshetti.eee@hsit.ac.in
onkarheddurshetti@gmail.com
omrules4u@yahoo.com
4. **Date of Birth** : 03/03/1983
5. **Address for communication:** Dept. of Electrical & Electronics Engineering
Hirasugar Institute of Technology,
Nidasoshi-591236
Tal: Hukkeri, Dist: Belgaum.
Karnataka.



6. **Educational qualifications :**

Sl. No	Degree	University/Institution	Year	Specialization
1	M.Tech.	P. D. A College of Engineering, Gulbarga, VTU Belagavi	2009	Power Electronics
2	B.E.	Hirasugar Institute of Technology, Nidasoshi VTU Belagavi	2005	Electrical & Electronics Engineering

7. **Details of previous employment:**

Sl. No	Name of the Institution/Organization	Period		Designation
		From	To	
1	Vishwanath Sugars Ltd. Bellad-Bagewadi, Ta: Hukkeri Dist: Belagavi, Karnataka	01/08/2005	31/07/2006	Junior Electrical Engineer
2	K.L. E Society's Chidanand B Kore polytechnic, Chikodi Dist: Belagavi, Karnataka	14/07/2007	04/08/2008	Lecturer
3	SJPN Trust's, Hirasugar Institute of Technology, Nidasoshi. Ta: Hukkeri Dist: Belagavi, Karnataka	12/08/2008	Till Date	Asst. Professor
Total Experience in years				12 Years

8. **Date of Service in this Institution:** 12-08-2008

9. **Total Experience in years:** 12 Years

10. Subjects of Interest:

- Power Electronics
- Renewable Energy Sources
- Electrical Power Utilization
- Control Systems
- Electrical Design, Estimating and Costing

11. Publications in National and International Journals & Conferences:

- Published a paper on “High efficient AC-AC power converter applied to domestic induction heating” in a national journal of ‘Advanced Technologies in Electrical and Electronics Systems’ by Elsevier Science and Technology Publications during March 2014, ISBN 9789351072492.
- Published a paper on “Modeling of single phase semi Z- Source Inverter” in an international Journal of Emerging Technology in Computer Science and Electronics, Volume 14, Issue 2, April 2015, ISSN: 0976-1353.
- Published a paper on “Quasi Z- Source Inverter for photovoltaic power generation system” in Journal of Advances in Science and Technology, Volume 12, Issue 25, December 2016, ISSN 2230-9659.
- Published a paper on “Rural electrification with wind and solar hybrid generation system using MPPT” in Journal of Advances in Science and Technology, Volume 12, Issue 25, December 2016, ISSN 2230-9659.
- Published a paper on “Design and Implementation of smart automobile system” in Journal of Advances in Science and Technology, Volume 12, Issue 25, December 2016, ISSN 2230-9659.

12. Technical Papers presented: National/International Conferences

- Presented a paper on “Z-Source Inverter for AC Drives” in an International conference held at MIT, Manipal during 7th Jan to 10th Jan 2010.
- Presented a paper on “A modified Z-Source Inverter for PV cell” in a national conference on ‘Cutting Edge Technologies in Power Conversion & Industrial drives’ held at Bannari Amman Institute of Technology, Satyamangalam, Tamilnadu.
- Presented a paper on “Non-Isolated high step-up Boost converter integrated with SEPIC converter” in a national conference on ‘Recent Advancements in Engineering’ held on 22nd and 23rd June 2012 at Sanjeevan College of Engineering and Technology, Panhala, Kolhapur, Maharashtra.
- Presented a paper on “Demand based Education Model” in a national level technical paper presentation on 7th March 2014 held at SJPN Trust’s Polytechnic, Nidasoshi, Karnataka.
- Presented a paper on “High efficient AC-AC power converter applied domestic induction heating” in a national conference on ‘Advanced Technologies in Electrical

and Electronics Systems' on 21st and 22nd March 2014 held at GIT, Belgaum, Karnataka.

- Presented a paper on “Modeling of single phase semi Z- Source Inverter” in an international conference on ‘Emerging Trends in Engineering Science’ on 24th April 2015 held at JCE, Belgaum, Karnataka.
- Presented a paper on “Quasi Z- Source Inverter for photovoltaic power generation system” in an international conference on ‘Recent Innovations in Engineering’ on 8th & 9th October 2016 held at HIT, Nidasoshi, Karnataka.
- Presented a paper on “Rural electrification with wind and solar hybrid generation system using MPPT” in an international conference on ‘Recent Innovations in Engineering’ on 8th & 9th October 2016 held at HIT, Nidasoshi, Karnataka.
- Presented a paper on “Design and Implementation of smart automobile system” in an international conference on ‘Recent Innovations in Engineering’ on 8th & 9th October 2016 held at HIT, Nidasoshi, Karnataka.
- Presented a paper on “Design and Implementation of Trans Z-Source Inverter” in an international conference on ‘Recent Innovations in Science, Engineering and Technology’ on 18th & 19th May 2018 held at HIT, Nidasoshi, Karnataka.

13. Books Published: NIL

14. Workshop / Seminars Conducted:

- One day workshop on “Employability skills” on 3rd Apr 2013 by RiiIT, Mysore.
- One day workshop on “Fluency in English & Public Speaking” on 24th May 2013 for all final & pre-final year students and faculties of HIT by English Language Academy, Pune.
- One month training programme of “Post Graduation Diploma in Industrial Automation (PGDIA)” during 1st Jul 2013 to 3rd Aug 2013 for final year EEE & ECE students by Prolific Systems & Technologies Pvt. Ltd., Bangalore.
- Seminar on “Scope of Electrical Engg in Public & Private Sector” by Er. Subhod Kulkarni, EE, KPTCL Belgaum on 17th Aug 2013.
- Seminar on “Android Applications” for final year CSE & ECE students by Softmusk Solutions, Belgaum on 20th Sept 2013.
- One day workshop on “LabView” for EEE & ECE students by Shri Mahantesh Alure, Certified labview associate developer, Karmic, Manipal on 9th Nov 2013.
- Seminar on “Teaching: How to Teach” by Dr. Ramachandra V. Pujeri, Vice Principal, KGISL Institute of Technology, Coimbatore, TN for faculties of HIT, polytechnic and BCA colleges on 26th Nov 2013.
- Three days national level Faculty Development Programme (FDP) on “Auto-Cad Electrical Drawing” during 12th Dec 2013 to 14th Dec 2013 at HIT, Nidasoshi.

- Seminar on “Career opportunities in Merchant Navy” by Mr. Sunil Hazare, Deputy Chief Engineer, Merchant Navy, Goa for final year students of EEE & Mech on 11th Feb 2015.
- Seminar on “Campus to Corporate” by Dr. D. G. Kulkarni, Principal, K.L.E’s MBA college, Belagavi for final year students of all branches on 12th Feb 2015.
- Seminar on “Creativity, Innovation & Motivation” by Dr. S. N. Kurbet, HOD, Mech Dept., BEC, Bagalkot for final year students of all branches on 13th Feb 2015.
- One day workshop on “PLC” for final year students of EEE & ECE by Mr. Vilas Patil & Mr. Tushar Gawas, Automation Engineers, Hybrid Automation Technologies, Belagavi on 28th Apr 2015.
- Seminar on “Real time embedded system & its applications” for EEE & ECE final year students by Mr. Harish Wali, Bengaluru on 6th Aug 2015.
- Seminar on “VLSI and Back end design” for final year students of EEE by Mr Vardhaman Dandige, an alumnus of HIT, Member of technical staff, Karmic, Manipal on 19th Sept 2015.
- Seminar on “PLC and SCADA” by Prolific Systems & Technologies Pvt. Ltd., Bengaluru for final year students of EEE and ECE students on 4th Sept 2015.
- Seminar on “Intellectual Property rights & Patent Filing” for all faculties & students of all the branches by Mr. Rushant Surve, an alumnus of Mech, 2005 passed out, working as Manager, Search services, corporate patents at Novo Nordisk, Bengaluru on 16th Sept 2015.
- Seminar on “Employability Skills” by Shri. Sreenivasa Ramanujam, Academic Relationship Manager, TCS, Bengaluru for pre-final year students of all branches on 24th March 2016.
- National Conference on “Blue ocean strategy & Skill Development” by RiiIT, Mysore in association with Higher Education Dept, VTU Belagavi, NSDC at HIT, Nidasoshi on 4th Apr 2016.
- Talk on “Application Development” for CSE Students by Mr. SurajParit, Alumnus, CSE Dept, 2013 PO, working as Software Developer in Shaikh Group of Institution Belgavi on 13th Aug 2016.
- Seminar on “Career opportunities in Department of Atomic Energy, Govt. of India” by Mr. Gangadhar Huddar, Alumnus, MECH Engg Dept, 2002 PO, working as Scientist, BARC, Mumbai on 4th Sept 2016.
- Organizing Secretary for International Conference on “Recent Innovations in Engineering” in association with IEEE Bengaluru section and Journal of Advances in Science & Technology during 8th and 9th Oct 2016.
- Seminar on “Development of Cranes” for pre-final year MECH students by Mr. Praveen Handigund, Alumnus, MECH Engg Dept, 2003 PO, working as Sr. Team Lead, Tata Technologies Ltd, Pune on 18th Feb 2017.
- Seminar on “Career opportunities in Indian Defense” by Lt. Colonel Niteen Rumale, Lt. Colonel G. L. Hiremath for final year students on 22nd Feb 2017.

- Seminar on “Fluency in English & Public Speaking” by Prof. Anthony Thomas, Director, The English Language Academy, Pune for final year students and all staff members during 16th & 17th March 2017.
- Technical talk on “Data Structure Concepts & Entrepreneurship” for CSE Students by Mr.SantoshYadav, Alumnus CSE Dept, 2009 PO, working as Senior Software Engineer in Infy Sky Pvt. Ltd. Belagavi on 2nd Apr 2017.

15. Training Programmes/Workshops/Seminars/STTPs/Symposiums Attended:

Sl. No.	Topic	Period	Date	Venue
1.	Attended one week short term course on “Special Electrical Machines and Control”	One Week	29/01/2018 to 02/02/2018	NITTTR, Chennai
2.	Attended “Campus Career Conclave-2017” organized by CareerPrime, Mysuru at Bengaluru	1 day	07/07/2017	Hotel Grand Inn, Gandhinagar, Bengaluru
3.	Attended an International Symposium on “Smart Grid Technologies: Recent Initiatives, Challenges and Opportunities (ISSGT 2017)”	2 days	27 th to 28 th Jan 2017	NIE Institute of Technology, Mysuru
4.	Attended a national conference on “Industry Institute Interaction” at PCCOE, Pune organized by PCET in association with NASSCOM, MIDC, BOAT, SME chamber of India and S.P. Pune University..	1 day	28 th March 2016	Pimpri Chincawad College of Engineering, Pune.
5.	Attended FDP on "Green Technology and Sustainable Developments".	3 days	28 th to 30 th Jan 2016	Sanjeevan Engineering and Technology Institute, Panhala
6.	Attended two days national symposium on "Sustainable Energy Technologies for academic campuses".	2 days	5 th to 6 th June 2015	Basaveshwar Engineering College, Bagalkot
7.	Attended three day national workshop on "Importance of electrical energy conversion in the present day energy crisis".	3 days	29 th to 31 st Oct 2014	Don Bosco Institute of Technology, Bangalore
8.	Attended FDP on “Modeling and Simulation of Power Electronics Devices and Circuits”.	3 days	29 th to 31 st Aug 2013	NMAMIT, Nitte, Karnataka
9.	Attended FDP on “Electrical	3 days	12 th to 14 th Dec 2013	HIT, Nidasoshi

	drawing using AutoCad”			
10.	Attended National workshop on “Getting started with MATLAB and Simulink” at during.	3 days	12 th to 14 th July 2012	MIT, Manipal
11.	Attended STTP on “Control Systems” during at	5 days	3 rd Dec to 7 th Dec 2012	IIT Bombay
12.	Attended workshop on “Signals & Systems”	3 days	4 th Oct to 6 th Oct 2012	HIT, Nidasoshi
13.	Attended workshop on “Applications of Mathematics in Engineering”	2 days	30 th & 31 st Aug 2010	HIT, Nidasoshi

16. Awards/Achievements:

- a. Organized an International Conference on “Recent Innovations in Engineering” in association with IEEE Bengaluru section and Journal of Advances in Science & Technology during 8th and 9th Oct 2016 at HIT, Nidasoshi as an Organizing Secretary.
- b. Organized Alumni meets at various places including Bengaluru, Pune and within the college campus and established Pune-Mumbai chapter and Bengaluru chapter of Alumni Association as an Alumni Coordinator of the Institute.
- c. Achieved 50% placement record as an Asst. Training & Placement Officer at HIT, Nidasoshi.
- d. Conducted various training programmes in the institute as an Asst. Training & Placement Officer such as personality development, how to face interview, job opportunities in industries, Aptitude preparation, etc.
- e. Conducted various workshops, FDP’s, competitions & events both national & institute level as Department Association Co-ordinator.
- f. Conducted various workshops & seminars in the institute under IEEE student chapter as an IEEE staff counselor.
- g. Achieved 100% result in the subjects like Renewable Energy Sources, Electrical Power Utilization and HVDC Transmission.
- h. Guided various projects which have been sponsored by KSCST, Bangalore and NGO’s.
- i. Achieved in the reduction of motor burning rate by 25% while working as Junior Electrical Engineer in Vishwanath Sugar Industries, Bellad Bagewadi.

17. Details of Memberships in Professional Societies:

Life Member of Indian Society for Technical Education - LM62338

Member of International Association of Engineers- 164557

Signature of the Faculty/Staff