

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

FACULTY PROFILE

1. **Name in full** : Prof. Shivanand D. Hirekodi
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4. **Date of Birth** : 29/05/1976
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 Belgaum	2009	Power Electronics
2	B.E.	P. D. A College of Engineering, Gulbarga	2000	Electrical & Electronics Engineering
3	Diploma	Government Polytechnic, Belgaum, Board of Technical Education	1995	Electrical Engg.

7. **Details of previous employment:**

Sl. No	Name of the Institution/Organization	Period		Designation
		From	To	
1	Bharat Heavy Electricals Limited (BHEL) Electronics division, Bangalore.	26/09/1995	25/08/1996	Technician Apprentice Trainee
Total Experience in years				17 Years 2 Months

8. **Date of Service in this Institution:** 01/12/2000

9. **Total Experience in years:** 17 Years 2 Months

10. Subjects of Interest:

- Power Electronics
- High Voltage Engineering
- Renewable Energy Sources
- AC and DC Drives
- Simulation of power electronics circuits
- Power quality and reactive power management
- Energy Auditing and Demand side management
- Electrical Estimation and Costing

11. Technical Papers presented: National/International Conferences

- a. Presented a paper on “Symmetrical multistage voltage Multipliers” in an International conference held at MIT, Manipal during 7th Jan to 10th Jan 2010.
- b. 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 from 16/03/2011 to 17/03/2011.
- c. Presented a paper on “High efficient AC-AC power converter applied to 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.
- d. Presented a paper entitled “Design and implementation of street lighting in technical institution campus for optimum energy saving:case study” in a International conference on ‘Recent Innovations in Engineering(ICRIE-16)’ on 8th and 9th October 2016 held at HIT, Nidasoshi,Karnataka

12 Publications in National and International Journals & Conferences:

Published a paper entitled “Design and implementation of street lighting in Technical institution campus for optimum energy saving:case study” in Journal of Advances in Science and Technology Vol. 12, Issue No. 25, (Special Issue) December-2016, ISSN 2230-9659

13 Workshop / Seminars Conducted:

- a. Conducted one day workshop on “LabView” on 9th Nov 2013 at HIT, Nidasoshi.
- b. Conducted various workshops, FDP’s, competitions & events both national & institute level as Department Association Co-ordinator.

14 Training Programmes/Workshops/Seminars/STTPs/Symposiums Attended:

Sl. No.	Topic	Period	Date	venue
1	One day workshop on Effective conduction of Basic Electrical Engineering Laboratory	01 day	03/08/2018	HIT Nidasoshi
2	Short -term Course on "Special Electrical Machines and Control"	5 Days	29/01/2018 to 02/02/2018	NITTTTR Chennai
3.	NBA – SAR Filling & Preparedness for Assessment	3 days	September 15-17, 2017	HIT Nidasoshi
4.	International Symposium on "Smart Grid Technologies: Recent Initiatives, Challenges and Opportunities".	2 days	January 27-28,2017	NIEIT-Mysuru
5.	International Symposium on " Advances in power Distribution Engineering: Distributed Generation, Micro-Grid and	2 days	August 28-29,2015	NIE-Mysuru
6.	Short term course on " Emerging R & D in wind energy conversion – Present &	1 week	21 st to 26 th July 2014	BEC, Bagalkot
7.	Three days FDP on "Modeling and Simulation of Power Electronics Devices and Circuits"	3 days	29 th to 31 st Aug 2013	NMAMIT, Nitte, Karnataka
8.	Three days FDP on "Electrical drawing using AutoCad"	3 days	12 th to 14 th Dec 2013	HIT, Nidasoshi
9.	National workshop on "Getting started with MATLAB and Simulink"	3 days	12 th to 14 th July 2012	MIT, Manipal
10.	Three days FDP on "Medical Cybernetics"	3 days	10 th to 12 th Feb.2011	PDA CE, Gulbarga
11.	Workshop on "Applications of Mathematics in Engineering"	2 days	30 th & 31 st Aug 2010	HIT, Nidasoshi
12.	Seminar on "Alternate Energy-Engineering challenges"	1 day	14 th Sept.2007	SDM CET Dharwad
13.	Workshop on "Renewable Energy for Electrical Power Generation & Thermal Applications"	2 days	31 st Aug. to 1 st Sept.2007	MSRIT, Bangalore
14.	Workshop on "Embedded Systems and Applications"	1 day	29 th April 2006	PDA CE, Gulbarga
15	Workshop on "Progress in Renewable Energy Sources"	1 day	12 th Dec. 2005	PDA CE, Gulbarga
16	Workshop on " Embedded Systems (FPGA) & Virtual Instrumentation"	2 days	19 th to 20 th Oct. 2005	PDA CE, Gulbarga
17	Entrepreneurship awareness program	3 days	10 th to 13 th March 1995	Govt. Polytechnic BGM.

15 Awards/Achievements:

- 1) Involved in installation and commissioning of nine solar water Heating systems of total capacity nearly 18000 ltrs. for Hostels at engineering college campus.
- 2) Involved in installation and commissioning of Six water treatment plant (RO) of capacity nearly 3500ltrs/hour for college and hostels.
- 3) Involved in installation and commissioning of High power LED fittings for engineering college campus illumination.
- 4) Conducted various workshops, FDP's, competitions & events both national & institute level as Department Association Co-ordinator.
- 5) Achieved 100% result in the subjects like High voltage Engg., Testing and commissioning of electrical equipments, Transmission and Distribution of electrical power and HVDC Transmission.
- 6) Guided many projects have been sponsored by KSCST, Bangalore.
- 7) Guided project entitled "High Efficiency AC to AC power converter applied to domestic induction heating " won consolation prize VISAI-2014, 4th International Project competition and exhibition held at VELTECH, Dr.R.R and Dr.S.R. Technical University, Avadi, Chennai, Tamilnadu.

16 Details of Memberships in Professional Societies:

- Life Member of Indian Society for Technical Education -LM 62334

17Any other information

- Event co-ordinator for " Student as a Teacher" held on 15/9/2016 at HIT-Nidasoshi
- Trouble shooting event co-ordinator for HIT QUEST 2014-A national level technical competition held at HIT-Nidasoshi.
- Jury member for Technovision-14 Project exhibition and competition organized by EESSA, of E&E dept, HIT-Nidasoshi.
- Training program conducted on Relay & High Voltage Lab for final year students of D.Y.Patil Technical campus, Talsande, Kolhapur.