

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 | | | | 16 Years 2 Months |

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

9. **Total Experience in years:** 16 Years 2 Months

10. Subjects of Interest:

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

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 | International Symposium on “Smart Grid Technologies: Recent Initiatives, Challenges and Opportunities”. | 2 days | January 27-28,2017 | NIEIT-Mysuru |
| 2 | International Symposium on “ Advances in power Distribution Engineering: Distributed Generation, Micro-Grid and Renewable Intergration”. | 2 days | August 28-29,2015 | NIE-Mysuru |
| 3. | Short term course on “ Emerging R & D in wind energy conversion – Present & future challenges” | 1 week | 21 st to 26 th July 2014 | BEC, Bagalkot |
| 4. | 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 |
| 5. | Three days FDP on “Electrical drawing using AutoCad” | 3 days | 12 th to 14 th Dec 2013 | HIT, Nidasoshi |
| 6. | National workshop on “Getting started with MATLAB and Simulink” | 3 days | 12 th to 14 th July 2012 | MIT, Manipal |
| 7. | Three days FDP on “Medical Cybernetics” | 3 days | 10 th to 12 th Feb.2011 | PDA CE, Gulbarga |
| 8. | Workshop on “Applications of Mathematics in Engineering” | 2 days | 30 th & 31 st Aug 2010 | HIT, Nidasoshi |
| 9. | Seminar on “Alternate Energy-Engineering challenges” | 1 day | 14 th Sept.2007 | SDM college of Engg. And Technology Dharwad |
| 10. | Workshop on “Renewable Energy for Electrical Power Generation & Thermal Applications” | 2 days | 31 st Aug. to 1 st Sept.2007 | MSRIT, Bangalore |
| 11. | Workshop on “Embedded Systems and Applications” | 1 day | 29 th April 2006 | PDA CE, Gulbarga |
| 12. | Workshop on “Progress in Renewable Energy Sources” | 1 day | 12 th Dec. 2005 | PDA CE, Gulbarga |
| 13. | Workshop on “ Embedded Systems (FPGA) & Virtual Instrumentation” | 2 days | 19 th to 20 th Oct. 2005 | PDA CE, Gulbarga |
| 14. | Entrepreneurship awareness program | 3 days | 10 th to 13 th March 1995 | Govt. Polytechnic , Belgaum |

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 five water treatment plant (RO) of capacity nearly 2500ltrs/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

17 Any 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.

Signature of the Faculty/Staff

Signature of the HOD