

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

Department of Electronics and Communication Engineering

FACULTY PROFILE

1. **Name in full:** Dr. Shilpa Shrigiri



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4. **Date of Birth:** 08-02-1980

5. **Address for communication:** Assoc. Professor, Dept. of ECE,
HIT Staff Quarters, Nidasoshi,
Karnataka, Pin – 591236

6. **Educational qualifications:**

Sl. No	Degree	University/Institution	Year	Specialization
1	PhD	JNTU, Hyderabad	2016	Digital VLSI Design
2	M. Tech.	VTU, Belgaum	2007	VLSI Design & Embedded Systems
3	B.E.	VTU, Belgaum	2003	Instrumentation Technology

7. **Details of previous employment:**

Sl. No	Name of the Institution/Organization	Period		Designation
		From	To	
1	AIET, Kalaburgi	08-09-2003	28-02-2007	Lecturer
2	AIET, Kalaburgi	01-03-2007	11-01-2011	Asst. Prof.
3	SGBIT, Belagavi	11-01-2011	03-11-2016	Asst. Prof.
4	SGBIT, Belagavi	04-11-2016	20-05-2017	Assoc. Prof.
5	SKSVMACET, Laxmeshwar	01-06-2017	08-11-2017	Professor
6	Hirasugar Institute of Technology, Nidasoshi	11-11-2017	Till Date	Assoc. Prof.

8. Date of Service in this Institution: 11-11-2017

9. Total Experience in years: 15 years

10. Subjects of Interest:

- Basic Electronics
- Signals and Systems
- Operating Systems
- VLSI Design
- Embedded System Design
- Control Systems
- Electronic Circuits
- Digital Signal Processing

11. Publications in National and International Journals & Conferences:

International Journal:

[1]. Shilpa Dandoti, V D Mytri, "Detection and location of baseline interconnection networks implemented in WSI", International Journal of advanced Engg & Applications, ISSN 0975-7783, Jan 2010, pp 158-162.

[2]. Shilpa Dandoti, V D Mytri, "Detection and location of bridging faults in interconnects of FPGA using phase path method", International Journal of advanced Engg & Applications, ISSN 0975-7783, Jan 2010, pp 178-182.

[3]. Shilpa B Shrigiri, V D Mytri, Basavraj M Shrigiri "Application of Nanomaterials in Coordination with VLSI Design Process" International Journal of Nanotechnology and Applications ISSN 0973-631X Volume 4, Number 2, 2010, pp. 73-85.

[4]. Shilpa Dandoti, V D Mytri, "Tactile Sensor for Robotic Hand", International Journal of Computer Science & Knowledge Engg, Vol.4 (1), January-June 2010, pp 85-88.

[5]. Shilpa Dandoti, V D Mytri, "Multi Fault Diagnosing and Analysis Approach for Digital Circuitries" International Journal "World Journal of Science and Technology" 2011, Vol. 1(8), ISSN-2231-2587, pp 94-99.

[6]. Shilpa Shrigiri, Yojna Bellad, “Low power VLSI design approach for 16 bit binary counter to reduce power”, International Journal of Current Engineering and Technology, ISSN 2277–4106, pp 344-347.

[7]. Yojna Bellad, Shilpa Shrigiri, “Simulation and Modeling of OFDM Systems and Implementation on FPGA”, International Journal of Current Engineering and Technology, ISSN 2277–4106, pp 249-253.

[8]. Dr. Shilpa Shrigiri, “An online detection and diagnosis BIST approach for testing SRAM-based FPGAs using JBITs”, International Journal of Engineering Technology Science and Research (UGC approved journal), Vol. 4 (9), September 2017, ISSN 2394 – 3386, pp 1413-1416.

International Conference

[1]. Shilpa Dandoti, V D Mytri, “Fault modeling in interconnects of symmetric FPGA”, Proceedings of the International Conference on Trends & Advances in Computation & Engineering (TRACE), 25-26 February 2010.

[2]. Shilpa Dandoti, V D Mytri, “Fault detection and correction in FPGA interconnects for line switching faults”, International Conference on “Communication Computation Control and Nanotechnology” (ICN-2011), Sept. 23-25, 2011 at REC Bhalki.

[3]. Shilpa Dandoti, V D Mytri, “ Multi-phase fault detection and analysis in FPGA interconnect”, International Conference on Process automation, control and computing (IEEE-PACC 2011), July 20-22 , 2010 at Coimbatore Institute of Technology, Coimbatore, ISBN-978-1-61284-761-1, pp 1-6.

[4]. Shilpa Dandoti, V D Mytri, “Switch line fault diagnosis in FPGA interconnects using line tracing approach”, International conference on Recent trends in Information, Telecommunication and Computing-ITC 2012, pp 333-338,

National Conferences:

[1]. Omprakash Hebbal, Shilpa B Shrigiri, B M Shrigiri, “Mems and nano technology application”, Third National conference on Mechanical Engineering, NATCON ME-2006, SIT, Tumkur, 26-27 May, 2006.

[2]. Shilpa Dandoti, V D Mytri, “Test set for single stuck-at faults to detect three types of multiple bridging faults”, National conference on Evolutionary trends in information technology CETIT 2011, May 20-22 , 2011 at Visvesvaraya Technological University, Belagavi, pp- 116.

12. Technical Papers presented: 06

13. Books Published:

14. Workshop / Seminars Conducted:

- Co-convener for Three days workshop on “Image processing and its applications” from 22-25 Jan. 2017 at SGBIT, Belagavi.

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

Sl. No.	Topic	Period		Venue
		From	TO	
1.	National seminar on Foundations and frontiers of differential equations and its applications	30-07-2005	31-07-2005	Sharanbasaveshwar college of science, Kalaburagi
2.	Workshop on Computer network Simulator (Netsim)	14-06-2005	15-05-2005	Banglore Institute of Technology, Banglore
3.	Workshop on ‘Micro and smart systems’	13-03-2006	18-03-2006	Institute for smart structures and systems, Bangalore
4.	Short term training on Microwind tool	28-08-2006	29-08-2006	Silicon Labs, Bangalore
5.	State level paper presentation Technocracy-06	06-11-2006	07-11-2006	Achrya institute of technology, Bangalore
6.	National conference on Emerging trends in IT	02-05-2007	03-05-2007	KLE College of Engg, Belagavi
7.	Staff development program on Embedded computing systems	03-08-2009	05-08-2009	R L Jalappa Institute of technology, Doddaballapur
8.	National level seminar on Recent trends in wireless networks	30-10-2009	31-10-2009	GND Engg College, Bidar
9.	International conference on trends and advances in computation and engineering	25-02-2010	26-02-2010	Barkatullah University Institute of technology, Bhopal
10.	Seminar on FPGAs for signal processing and embedded applications	04-03-2010	06-03-2010	M S Ramaiah school of advance studies, Bangalore
11.	Workshop on Document preparation for research publication	02-04-2010	04-04-2010	PDA college of Engg, Kalaburagi

12.	International conference on communication, computation, control & nanotechnology (ICN-2010)	29-10-2010	30-10-2010	Rural Engg college, Bhalki
13.	International conference on latest trends on nanoscience and nanotechnology (ICNSNT)	28-03-2011	29-03-2011	KBN college of engg, Kalaburagi
14.	International conference on Process automation, control & computing (PACC 2011)	20-07-2011	22-07-2011	Coimbatore institute of technology, Coimbatore
15.	International conference on communication, computation, management & nanotechnology (ICN-2011)	23-09-2011	25-09-2011	Rural Engg college, Bhalki
16.	Training on Cadence software	23-11-2011	25-11-2011	Cadence design systems, Bangalore
17.	Workshop on Cryptography & network security issues	14-03-2012	18-03-2012	VTU, Belagavi
18.	Faculty development program on Nanotechnology	11-04-2012	15-04-2012	VTU, Belagavi
19.	Third international conference on recent trends in Information, telecommunication & computing ITC 2012	03-08-2012	04-08-2012	ACEEE, Bangalore
20.	Faculty development programme	30-07-2013		SGBIT, Belagavi
21.	National conference on women's in science and engineering	05-07-2013	06-07-2013	SDMET, Dharwad
22.	Faculty development program-pedagogy	25-07-2014	26-07-2014	SGBIT, Belagavi
23.	Workshop on research methodology	13-07-2015	14-07-2015	SGBIT, Belagavi
24.	Effective teaching pedagogies for technical college teachers	29-07-2015	31-07-2015	SGBIT, Belagavi
25.	One day workshop on Lean Manufacturing and process improvement	22-02-2016		SGBIT, Belagavi
26.	National conference on "Make in India- An opportunity for Engineering Technologies"	05-02-2016	06-02-2016	SGBIT, Belagavi
27.	Workshop on Effective teaching pedagogies for technical college teachers	22-07-2016	23-02-2016	SGBIT, Belagavi
28.	Three days workshop on Image Processing and its applications	23-01-2017	25-01-2017	SGBIT, Belagavi

29.	Two-Week ISTE STTP on CMOS, Mixed Signal and Radio Frequency VLSI Design	30-01-2017	04-02-2017	KLECET, Belagavi
30.	International conference on Science, Technology & Management (ICSTM-2017)	24-09-2017		ISTE, Bengaluru

16. Awards/Achievements:

- Secured 100/100 in Mathematics IV in 4th Sem BE.
- Secured 1st rank and bagged gold medal in Mtech at VTU, Belagavi.

17. Details of Memberships in Professional Societies:

- LMISTE

18. Administrative and academic activities:

- Member, Board of Examination, VTU, Belagavi for 2017-18.
- Member, Internal Quality Assurance Committee, HIT, Nidasoshi
- Involved in setting up the various laboratories of the Institute.
- Coordinator, Women development Cell of the Institute.
- Member, Anti-ragging committee of the Institute.
- Organizing Committee member, International Conference On Signal Processing, Communication and Computational Research (ICSPCCR-16) Vidya Vikas Institute of Engineering and Technology, Mysuru on 18th -19th May, 2016.