

## PROFILE

**Shilpi Gupta**



**Qualification:** B.Tech. (Electronics & Communication), M.Tech. (Electronics & Communication),  
Pursuing Ph.D (Wireless Communication)

**Designation :** Assistant Professor

**Department :** Electronics Engineering Department

**Institute:** Sardar vallabhbhai National Institute of Technology, Surat

**Date of Joining:** 30/08/2007

**Experience:** 5 Years

**E- Mail:** [sgupta@eced.svnit.ac.in](mailto:sgupta@eced.svnit.ac.in)

**Research Area:** DSP based Wireless Communication, Orthogonal Frequency Division Multiplexing (OFDM)

**Courses Involved With:** Microprocessor System and Applications, Analog & Digital Comm., Introduction to Nanodevices, Microcontrollers, Advanced Microprocessors, Digital Circuits.

### Research Publications:

#### National Conferences:

- Shilpi Gupta, "Performance of Soft and Hard Handoff in Transmit Diversity system",
- Proceedings of National Conference On Technological innovations, (NCTI), pp. 272-276, 2008.
- Jigisha N. Patel, Shilpi Gupta, J.N. Sarvaiya, "Comparison of MIMO Channel Capacity with various wireless channel models", Proceedings of National Conference On Technological innovations, (NCTI), pp. 262- 264, 2008.
- Shilpi Gupta, "Nanoscience and Nanotechnologies: Its Potential Developments", National Conference ASTECS-2009, Lingaya's University, Faridabad, PP.123- 126.
- Shilpi Gupta, "MEMS: What, Where & Why", National Conference ASTECS-2009, Lingaya's University, Faridabad, PP.105-109.

**International Conferences:**

- Shilpi Gupta, Riddhi parmar, Dr. (Mrs.) U. D. Dalal, “Comparison of BER performances for Conventional and Non- Conventional Mapping schemes used in OFDM, World Academy of Science, Engineering and Technology, Issue 79, July 2011.

**International Journals:**

- Shilpi Gupta, Dr. (Mrs.) U. D. Dalal, “BER Performance For OFDM Using Non-Conventional Transform and Non-Conventional Mapping Schemes”, International Journal of Emerging Technology and Advanced Engineering, Issue 3, Volume 2, pp. 440- 444, March 2012.
- Shilpi Gupta, Chhaya Mehta, Dr. (Mrs.) U.D. Dalal, “Performance Analysis of OFDM System Using Non-conventional Transform and Non-conventional Mapping Schemes over Rayleigh Channel”, Journal of Comm. Engg. & Systems, Issue 1, Volume 2, Pp.13-20, April 2012.

**Guided M.Tech. Students:** 02, 03( Ongoing)

**Administrative Duties:** Co-Incharge (Microprocessor & Digital circuit lab), Faculty advisor  
(ISF- IETE), Co-incharge Department Examination.

**Membership of professional Bodies:** LM-IETE, LM-IJERIA, M- IEEE.