

FACULTY PROFILE

Name of Teaching Staff : Mrs. Bahar C. Soparkar

Designation : Assistant Professor

Department : Electronics Engineering

Date of Joining the Institution : 10th July 2006



Qualifications with Class / Grade :

B.E. (Industrial Electronics) 1st Class, 61.80%, Pune University, August, 2003.

M. Tech. (EXTC), 1st Class with distinction, NMIMS University, April, 2008.

Total Experience in Years : Teaching :- 11 years.

1. Lecturer in D.J. Sanghvi College of Engg. on probation from 1-7-2009 till date.
2. Lecturer in D.J. Sanghvi College of Engg. on adhoc basis from 10-7-2006 to 30-6-2009.
3. Lecturer in Vidyavardhini's College of Engg. & Tech, Vasai. from July, 2005 to 13-7-2006.
4. Lecturer in Vidyalankar Polytechnic, Wadala from Nov. 2003 to June, 2005.

Industry :-

Research :-

Papers Published :**National : 3**

1. "Rope Climbing Robot" Technofocus, Volume 2, Issue 1, ISSN 2229-662X, Oct 2011
2. "MODBUS Communication Protocol", NCCT – 2011 Proceedings ISBN 93- 81361-37-1 Oct 2011
3. "Powerline Communication using MODBUS", Protocol DJ – Spark 2012 Proceedings ISBN 93-82062-20-3 April 2012

International : 3

1. "Defuzzification in a Fuzzy Logic Controller: Automatic Washing Machine", International Journal of Computer Applications (0975 – 8887)
2. "Stock Market Prediction using Digital Signal Processing Models", International Journal of Computer Applications (0975 – 8887)
3. "Stochastic Signal Modeling Techniques for Stock Market Prediction", International Journal of Computer Applications (0975 – 8887)

Papers Presented in Conferences :**National : 1**

1. "MODBUS Communication Protocol", NCCT – 2011 Organized by DJSCOE, Dept. of EXTC, Electronics and Biomed on 14/10/2011 & 15/10/2011

International : 3

1. "Defuzzification in a Fuzzy Logic Controller: Automatic Washing Machine", International Journal of Computer Applications (0975 – 8887)
2. "Stock Market Prediction using Digital Signal Processing Models", International Journal of Computer Applications (0975 – 8887)
3. "Stochastic Signal Modeling Techniques for Stock Market Prediction", International Journal of Computer Applications (0975 – 8887)

PhD Guide ? Give field & University : Field: --**University: --****PhDs / Projects Guided : PhDs:--****Projects at Masters level : --****Professional Memberships : IETE, ISTE****Consultancy Activities : --****Awards : --****Grants fetched : --**

Interaction with Professional Institutions :

1. Delivered a lecture on **“KEIL Development tools for 8051 microcontroller”** for TE (Electronics) students of K. J. Somaiya Institute of Engineering and Technology, on 20th and 21st February 2009.
2. Delivered a lecture on **“Smith Chart and its applications”** at ISTE approved STTP on Microwaves & Antennas organized by D. J. Sanghvi College of Engineering Department of EXTC, ELEX & BIOMED in January 2011.
3. Delivered a lecture on **“Hands on practice on PCB designing using ORCAD and PCB fabrication”** for students and staff members of FR. Conceicao Rodrigues College of Engineering, on 18th and 19th March 2011.
4. Worked as a point contact person for the workshop on **“AVR and RTOS”** organized by Department of Electronics Engineering with Thinklabs Technosolutions Pvt. Ltd. for two sessions of 100 hours each.
 - i. Session I : Jan 2011 - 15 days
 - ii. Session II : Aug – Dec 2011 (only Saturdays)

Achievements :

1. Member of organising committee of two week ISTE approved STTP on **“Signal processing and Communication Engineering”**, from 10th December 2007 to 20th December 2007, by Department of Electronics Engineering, D. J. Sanghvi College of Engineering, Mumbai.
2. Member of organising committee of one week ISTE approved STTP on **“Microwaves & Antennas”**, from 10th January 2011 to 14th January 2011, by Department of Electronics and Telecommunication Engineering, D. J. Sanghvi College of Engineering, Mumbai.
3. Accompanied 6 TE students of Electronics Engineering for the University level (at Mumbai university campus, Kalina) and state level (at Shivaji University, Kolhapur) for **Inter-Collegiate Research Convention “Avishkar 2011-12.”** (January 2012).
4. Member of organizing chair committee for **“International Conference on Communication Technology ICCT – 2015”**, on 25th and 26th September 2015, by Department of Electronics and Telecommunication Engineering, Department of Electronics Engineering and Department of Biomedical Engineering, D. J. Sanghvi College of Engineering, Mumbai.

5. UG project guided for the students of B.E. (Electronics) titled, **“Intelligent and Interactive Robotic Gaming System”**, received TCS Best Student Project Award in February 2016.

Responsibilities handled : --

Institution level :

1. Admission committee (2009 onwards - till date)
2. Examination core committee (2009 onwards - till date)
3. Alumni committee (2009 onwards - till date)
4. F.E. (All Semesters) – B.E.E. coordinator

Department level :

1. Assisted Time Table coordinator (2009-10)
2. Time Table coordinator (2010 to 2013)
3. Departmental Diary in-charge (2009 to 2013)
4. Class-in-charge – TE (Electronics) (2009 to 2012)
5. Class-in-charge – BE (Electronics) (2014 onwards - till date)