



SACHIN T. DARJI



Affiliation : Lecturer, Information Technology Department, Bhailalbai & Bhikhabhai Institute of Technology, Near ISKON Temple, Mota Bazaar, Vallabh Vidyanagar- 388 120, Gujarat, INDIA.

Date of Joining : 12th June 2006

Email : sachin_ec453@yahoo.co.in

Teaching Experience : 8 Years

Areas of Interest : Microprocessor systems, Biomedical Signal Processing.

Professional Association : Life Member- ISTE (LM 67498)

◆ **Educational Details:**

- **Master of Engineering** with specialization in Communication Engineering (July 2013) from G. H. Patel College of Engineering & Technology, Vallabh Vidyanagar. (Gujarat Technological University), **CPI: 9.29 (Gold-Medalist)**.
- **Bachelor of Engineering** in Electronics & Communication (2004) from G.H. Patel College of Engineering. & Technology, Vallabh Vidyanagar. (Sardar Patel University), **CPI: 7.63**.
- **Higher Secondary Education** from R.P.T.P. Science College (1999), Vallabh Vidyanagar with **66.92%**.
- **Secondary School Education** from M. U. Patel Technical high school (1997) Vallabh Vidyanagar with **90.43%**.

◆ **Publications:**

➤ **Books:**

1. Co-authored a book titled “**DATA COMMUNICATION AND NETWORKS**” for diploma IT 4th semester students in February 2010 as per GTU curriculum.

➤ **International Conference Paper:**

1. Sachin Darji, Rahul Kher, “Motion artifacts detection from ambulatory ECG using Wavelet transform”, *IEEE sponsored International Conference on Intelligent Systems and Signal Processing (ISSP2013) PG Track Processing*, GCET, V. V. Nagar, India, ISBN No. 978-81-909376-7-2, pp.57-60, March 2013.

➤ **International Journal Paper:**

1. Sachin Darji and Rahul Kher, “Artificial Neural Network based Classification of Body Movements in Ambulatory ECG signal”, *Journal of Medical Engineering and Technology, Informa healthcare, UK*, vol.37, no. 8, pp. 535-540, November 2013.

◆ **International Conferences Attended:**

- Attended IEEE sponsored International Conference on Intelligent Systems and Signal Processing (ISSP2013), GCET, Vallabh Vidyanagar, India during 1-2 March 2013.

◆ **Short Term Training Programs Conducted:**

- Worked as a co-coordinator for the DTE-ISTE sponsored faculty development one week STTP on “ *WEB DEVELOPMENT & WEB HOSTING* “ held at BBIT, IT department during 17th May 2010 to 21st May 2010.

◆ **Short Term Training Programs/ Seminars/ Workshops Attended:**

Attended 6 STTPs (Short term training programs) of total 09 weeks, 7 one day seminars and 3 workshops as a part of faculty development program.

- AICTE ISTE sponsored STTP on “Web Technology” conducted by Computer Engineering dept., BBIT during 12-03-2007 to 17-03-2007.

- 12th Annual convention of ISTE Gujarat section and one day symposium on “ Excellence in Technical Education Through Innovation” at BVM Engineering college, V.V. Nagar on 20-10-2007.
- Seminar on “Environmental Protection, Industrial Hygiene and Safety” arranged as part of Diamond jubilee celebration of BVM & Vidyog-2008 at BVM auditorium on 09-01-2008.
- Seminar on “Alternative Sources of Energy” arranged as part of Diamond jubilee celebration of BVM & Vidyog-2008 at BVM auditorium on 11-01-2008.
- 13th Annual convention of ISTE Gujarat section and one day seminar on “ Autonomy & Accountability of Technical Education in Changing Scenario” at Atmiya Institute of Technology & Science, Rajkot on 18-10-2008.
- One day Symposium on “SWOT analysis of Training & Placement cell” jointly organized by IIPC & ISTE Chapter, BBIT on 06-03-2009.
- Induction Training Program Phase-I at NITTTR Extension centre, Ahmedabad during 25-05-2009 to 05-06-2009.
- One day Symposium on Antenna, Microwave and Communication (OSAMC 2009), jointly organized by AP/MTT chapter of IEEE Gujarat section & IEEE student branch ADIT, New Vidyanagar on 01-08-2009.
- AICTE sponsored staff development program on “Role of Computer/IT applications in Engineering” at computer department, BBIT during 07-12-2009 to 19-12-2009.
- DTE- ISTE approved short term training program on “Circuit Simulation Tools and PCB Design Concepts” jointly organized by ISTE Gujarat Section & BBIT, V.V. Nagar during 04-01-2010 to 08-01-2010.
- DTE-ISTE approved short term faculty development program on “Web development & Web hosting” at information technology dept., BBIT, V.V. Nagar during 17-05-2010 to 21-05-2010.
- DTE-ISTE approved short term faculty development program on “Recent Advances in Pedagogy (RAP-2010)” at BBIT, v.v. Nagar during 14-06-2010 to 25-06-2010.
- One day workshop on “Digital Image Processing and MATLAB Programming” at ADIT, New Vallabh Vidyanagar on 27-03-2012.

- “Symposium on Communication Technologies-2012” at GCET, Vallabh Vidyanagar on 03-11-2012.
- One day workshop on “Antennas, RF circuits and Satellite Communications” at ADIT, New Vallabh Vidyanagar on 25-08-2012.
- Pre-Conference workshops entitled “*Securing Virtual Cloud, Image and Video Exploration Techniques and Power Line Communication*” organized under ISSP 2013 at GCET, V.V. Nagar on 28-02-2013.

◆ **Co-curricular Activities at BBIT:**

- FRC (Fee Regulatory Committee) documentation.
- AICTE online data submission process.
- Worked as a GTU coordinator for BBIT-605 (S.F.) Component for 4 months (April 2010 to August 2010).
- Member-coordinator committee for Dr. C. L. Patel Platinum Jubilee Celebration.
- Counselor during MQ/NRI admission process for BBIT.
- Verifying officer during online admission process for ACPDC- Help Center, BBIT.
- Committee member- MODROBS 2011-12, Communication Laboratory, IT (SF) dept.

◆ **Languages/Softwares:**

- MATLAB, Electronics Workbench, VHDL (Quartus- II)
- Programming Languages: C, C ++
- Assembly Level Programming: 8085, 8051, 8086

◆ **Subjects Taught During Academic Tenure :**

1. Data and Computer Communication
2. Object Oriented Technology
3. Microprocessors and Assembly Language Programming
4. Office Automation
5. Data Communication
6. Computer Oriented Numerical Methods
7. Electronics Materials and Components
8. Digital Electronics and Microprocessors
9. Electronics Practices

- 10. Wireless Communication
- 11. Data Communications and Networks
- 12. Fundamentals of Digital Electronics
- 13. Basic Electronics

◆ **Work Experience:**

- 1. Visiting Lecturer in Information Technology Dept. of BBIT, Vallabh Vidyanagar from June 28, 2004 to April 15, 2006.
- 2. Lecturer in Information Technology Dept. of BBIT, Vallabh Vidyanagar from June 12, 2006 onwards.

◆ **Contact Details:**

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