

**Janki Mehta**  
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## Education

- 2010-14** Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)  
Gandhinagar (Gujarat)  
B.Tech. - Information and Communication Technology  
- CPI 8.82/10 (till 4<sup>th</sup> Semester )
- 2009-10** Shree P.V.Modi High School, Rajkot (Gujarat)  
Gujarat Secondary and Higher Secondary Board (HSC)  
- 90.8 % (aggregate)
- 2007-08** St. Sai High School, Rajkot (Gujarat)  
Gujarat Secondary and Higher Secondary Board (SSC)  
- 86.15 % (aggregate)

## Skills

- Areas of interest** Algorithms and Data Structures, OOP, Digital Signal Processing, Speech Processing, ARM Assembly Language.
- Programming Languages** C, Java, ARM Assembly Language
- Tools and Technologies** MATLAB, Labview, WireShark, JavaScript, CSS, HTML, Dreamweaver, PHP, postgresQL, LTspice, Logisim, Keil  $\mu$ Vision, Netbeans, Eclipse, LaTeX, Silos, Verilog, Wavesurfer, Audacity
- Relevant Courses** Algorithms, Computer Networks, Digital Signal Processing, DBMS, Data Structures, System Software, Computer Architecture

## Internship

- Rural** Ramkrishna Sarada Sevashram, Bastar (Chhattisgarh) Dec 2011  
Team Size - 4  
Guide: Dr. Amit Sengupta  
Studied the tribal culture and lifestyle and devised some ICT solutions to their day to day problems. We helped in conducting health camps in the tribal villages and computerized the fee collection mechanism in the ashram school.
- Research** Speech Recognition for Gujarati language May 2012 - Ongoing  
DA-IICT (Gandhinagar) Team Size - 2  
Guide: Prof. Hemant Patil  
Digital processing of speech signals for recognition of Gujarati dialects. The internship is in preliminary stage. Its final outcome is supposed to be an application to help native Gujarati farmers. It may find its possibilities in a variety of other applications.

## Projects

- TigerCense  
Guide: Prof. Prabhat Ranjan  
Interfacing of digital camera flash with microcontroller to capture the photographs of tigers for wildlife conservation purposes.  
Oct 2012 – Ongoing  
Team Size - 2
- PSTN Simulation  
Guide: Prof. Sanjay Chaudhary  
Simulation of telephone network through networking, multithreading and Inter-Process Communication. It functions over a network of machines, one of which runs as the server while a few others act as callers and receivers of the call.  
Feb - Mar 2012  
Team Size - 2
- Techno-Science in Rural India  
Guide: Prof. Madhumita Majumdar  
Rigorous field study, visiting a number of villages in 5 different states of the country, to infer the causes and effects of interaction of rural India with the prevalent technology and science along with the enveloping socio-political and economical aspects of the same.  
Oct - Nov 2011  
Team Size - 10
- Mobile Sniffer  
Guide: Prof. Vijaykumar Chakka  
Electronic circuit to detect the presence of active cell phones within a specified radius. We implemented a detector circuit with 3 stage amplification and understood various categories of amplifiers along with their advantages over each other.  
Feb - Mar 2011  
Team Size - 10

## Positions of Responsibility

- Coordinator, Naach, [Synapse](#) (Annual Techno-Cultural Fest), DA-IICT Feb 2012  
Head Girl Holy Saint's School, Rajkot Jun 2007 – Apr 2008

## Awards and Achievements

- K. S. Patel Scholarship Award by [RK Group of Colleges](#) (2010)
- Second year cleared in Government certified "Sangeet Praveshika-Gayan"
- Star Student of the year (2006, 2007)
- Trendsetter, Holy Saint's School, Rajkot (2008)

## Interests and Hobbies

Arts and Craft, Painting, Singing, travelling

Declaration: The above information is correct to the best of my knowledge.

-Janki Mehta

Dt. Oct 11, 2012