

HARDIK T. MEHTA

Plot no-248/4, 'sneh'appt.

Near ch-5,sector-22.

Gandhinagar-382021.

Gujarat.

E-mail: mehta.hardik.13@gmail.com

Mobile : +91-9924139147.

**Objective**

To associate myself with an organization that provides a challenging job and an opportunity to prove innovative skills and diligent work. To enhance my professional skills in a dynamic and stable workplace making an effective use of the technical skills and to contribute significantly in the success of the organization.

Academic Qualification

Degree/ Certificate	Institute	Board / University	Year of Passing	Percentage or Grade
M.TECH in Electrical Eng. (Electrical Power Systems)	Institute Of Technology, Nirma University	Nirma University	2015	7.40 PPI*
B.E. (Electrical)	Sankalchand patel college of engineering, Visnagar.	Gujarat Technological University	2012	7.71 CGPA*
XII	Shri Swaminarayan Gurukul School,Gandhinagar	G.H.S.E.B.	2008	66.60%
X	Shri Swaminarayan Gurukul School,Gandhinagar	G.S.E.B.	2006	87%

CGPA: Cumulative Grade Point Average**PPI:** Progressive Performance Index**Summer Internship Synopsis****❖ Company: Gujarat State Electricity Corporation Ltd, Thermal Power Station, Gandhinagar.**

- **Objective :** To understand all about Power system equipments.
- **Duration :** 12 days.

❖ Company: Larsen and Toubro (Electrical and Automation) Ltd, Vadodara.

- **Objective :** To learn about construction of MCCB theoretically and practically, how to make assembly of MCCB in production side, test carried out by company as per standard IEC 60947-2 after made assembly of MCCB and Pro-E software which used for designing of MCCB.
- **Duration :** 1 month. (May 2014-June 2014)

Engineering Project Synopsis (Industrial Training)

- ❖ **Project Title : Analysis on Electromagnetic Repulsion Force for Enhancement in Repulsion Threshold Current of Contact System of 250 A Frame MCCB.**
- ❖ **Company: Larsen and Toubro (Electrical and Automation) Ltd, Vadodara.**
 - **Objective :** This project is initiated by carrying out detailed study of the factors and design constraints related to repulsion threshold current (I_{rp}) of the MCCB. Present design analyzed on JMAG/ANSYS Maxwell to find out their limitations, Based on that find out simulation results & new concepts for contact system of the MCCB is generate. Project objective is to enhance repulsion threshold current (I_{rp}) of contact system of 250 A frame MCCB. Electromagnetic repulsion forces generated between moving & fixed contacts are of repulsive nature due to opposite direction of current path. The mechanical force offered by MCCB mechanism opposes these Electromagnetic repulsion forces. In this project contact pressure (CP) offered by contact springs will be a constant.
 - **Duration: 1 year (July 2014-April 2015)**
- ❖ **Project Title : Generator Protection & Testing of Relays.**
- ❖ **Company: Gujarat State Electricity Corporation Ltd, Thermal Power Station, Gandhinagar.**
 - **Objective :** The objective of this project is to understand all about generator protection schemes & their settings, testing of some protection relay using micro-controller. To protect the generator against the over current, differential and turbine to boiler trip with help of instantaneous micro-controller based relay, one can practically implement this program. Programming is done in Code Vision AVR software and simulated in Proteus software. Result of this simulation is implemented in hardware. Hardware results are same as software result. These programs can be used as reference in power plant industries.
 - **Duration: 1 year. (June 2011-May 2012)**

Industrial Visits

- 1 MW Solar Power Plant , PDPU Gandhinagar.
- ALDC and EMC , Gandhinagar.
- Hydro Power Plant , Sardar Sarovar, Kevadiya.

Computer Proficiency

- Conversant with MS office.
- knowledge of software like MATLAB, PSIM, ETAP, PSCAD, Pro-E, JMAG, MAXWELL.

Extra Curricular Activities

- Participate in Quiz event of E2 COMMUTONICS 2K10 at Charotar institute of technology, Changa, national level.
- Participate in Kuruxetra event of PROJECTIONS'11 AT Parul institute of engineering & technology, Vadodara.
- Participate in Top Gear event of TEQNIX at L.D.College of Engineering, Ahmedabad.

Achievements

- Achieved Gold medal in 8th all Gujarat Kan Zen Goju Karate Championship 2002.
- Achieved Gold medal in 10th Gandhinagar Dist. Kanzen Goju Karate Championship 2002.

Personal Details

- Name : Hardik T. Mehta
- Date of Birth : 13th october, 1990
- Gender : Male
- Languages Known : English, Hindi & Gujarati
- Hobbies / Interests : Playing cricket, bad-minton and pool-snooker.

Areas of Interest

- Substation Designing.
- Designing and Developing of Transmission line and Protection equipment.
- Switchgear and Protection.
- Smart Grid Technologies.
- Power System Analysis and Design.
- Distributed Power Generation.

Personal Assets

My Strength may be marked with three words:-

- Hard Work
- Self-motivation
- Integrity

Declaration

I here by declare that the above-mentioned information is true to the best of my knowledge.

Place: Gandhinagar

HARDIK MEHTA