

# NILESH SURESH KUSHER

## Career Objective:

To get an Electronics Engineering position in a reputed organization that will benefit from my knowledge ,work & abilities.

## Education Qualification:

Degree	Board/University	Year of Passing	Percentage
B.E Electronics & Telecommunications	Dr. B A M U University	2013	64%
Higher Secondary School Certificate	Maharashtra State Board	2008	63.6%
Secondary School Certificate	CBSE Board	2006	71.8%

## Work Experience:

1. Currently working as a **Research Assistant** in **National Center for Photovoltaic Research and Education (NCPRE)** at **IIT Bombay** since March 2014.
2. **Solar Cell Fabrication**
  - Have Experience on Fabrication of Solar Cell. Developing a solar cell form a silicon wafer.
  - Instruments Trained and Hands on Experience for Fabrication of Solar Cells:
    1. Thermal Evaporator  
Front and Back Metal contacts on the solar cells
    2. Lithography  
Process used for Pattern making on solar cell
    3. RCA Cleaning  
Done for removing Oxides and Heavy Metal from the samples
    4. Wet Oxidation Furnace  
Deposition of Oxide layer on the surface of silicon wafer
    5. Diffusion Furnace  
Deposition of impurities on silicon wafer for making P-N Junction
    6. TMAH Process  
Selective Si etching
    7. Contact Annealing
    8. Dry Oxidation Furnace

**3. Lab Development:-**

Assisted professors in developing the solar fabrication and characterization lab

**4. Solar Panel Work**

- Testing of panels including String Current and Voltage Measurement.
- Maintenance of solar panels.
- Connection of solar panels.
- Mounting of solar panels.

**5. Assisted in Solar PV System installation:-**

1. Installed a plant of 100kwatt
2. Module Testing
3. Designing on Grid & Off-Grid solar PV system
4. Site Inspection

**6. Software Known:** Auto CAD

**7. Courses:** Appearing Electrical Designing and Wiring course

**8. Purchase Work**

- Purchasing Instrument from vendors

**9. Supervising**

- Getting Work done by the laborers.

**Project:**

- Conservation & Utilization of Industrial Heat

**Core Literacy:**

- PLC ,Embedded System, VLSI Training at **IGTR** (Indo German Tool Room, Aurangabad)
- Summer Internship on “Study of Express PCB & Express SCH Software’s” at **IIT Bombay** Under the Guidance of Prof. **B.G. Fernandes** (Electrical Engg. Dept.)

**Achievements:**

- Played Football at State Level Event
- **Sports Secretary** of College for the Academic year 2012-2013

**Hobbies:**

- Playing Football, Volleyball, Listening music, Reading books sometimes.

**Personal Information:**

- **Address:** Room no. 147, opp. Powai English High School, Ramabai Ambedkar Nagar, opp. IIT Main gate, Powai, Mumbai- 400076.
- **Mobile:** 07387894267
- **Email ID:** - [nilu0508@gmail.com](mailto:nilu0508@gmail.com)
- **Languages known:** English, Hindi, Marathi
- **Date of Birth:** 05<sup>th</sup> Sept: 1990
- **Height :** 5'7"
- **Weight** 66 –Kg.
- **Marital Status:** Unmarried.
- **Nationality:** Indian
- **Computer skills:** known **MS-Office, Microsoft Excel**, All basic things and **internet**.

**Declaration:**

I hereby certify that the particulars given by me are true and accurate with the best of my knowledge in the event of being selected; I assure you that I shall endeavor to discharge my duties to the entire satisfaction of the organization.

**Nilesh Suresh Kusher**