



Hardik Bhayani (22)

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My Belief: "Never leave
the kid inside you or
you will lose your
creativity. "

OBJECTIVE

To pursue a long term career in an organization which deals with design and development of new products to contribute and to learn new methods. To implement these techniques in my future designs.

PROFESSIONAL EXPERIENCE

06/2015 - Present | **Horizon Microtech Pvt. Ltd., Ahmedabad**
Design Engineer (ISO 9001:2008)

- Company manufactures all kind of panels like H.T., PCC, MCC, PMC, APFC SLDB, PLC panels ,control panels ,synchronizing panels, fix panels changeover panels, relay control panels, automation panels ,draw Out panels, bus duct.

Different area of working is listed below :

- Detail engineering after receipt of order.
- Preparation of design specification for whole project.
- Prepare of design document like G.A. drawings, single line diagram(SLD) ,bills of materials (BOM),feeder details, design detail of a panel, feeder load list, name plate detail, power wiring, control wiring, transformer VA calculation, bus bar sizing calculation, power loss calculation etc.
- Review of purchase orders related to technical specification (if necessary).
- Technical discussion / correspondence with client, sales department, supplier (if necessary).
- Monitoring the production process and adjust schedule as per needs.
- We have also working with Siemens, ABB, and L & T project division for major project as per their working strategy and their specific requirement

EXPERIENCE

09/2014-03/2015 | **ESVC (Electric Solar Vehicle Championship) by ISIE 2015**

- ISIE (Imperial Society of Innovative Engineering) - Electric solar vehicle championship is Asia's largest solar championship. We aim to build student's interest in Renewable source of energy.
- Got the 4th rank in all over Asia in Virtual round of event.
- Got the **1st rank in all over Asia** in Event and also got the three another awards
- **Best Design Award**
- **Best Autocross Award**
- **Best Endurance B Award**

EDUCATION

2011-15 | **75.04%**

B.Tech in Electrical Engineering, Chandubhai S. Patel Institute of Technology, Changa, Anand,

2010-11 | **76.30%**

High School from Shree Swaminarayan High School, Bhavnagar

2009 | **82.00%**

R. K. Home School, Bhavnagar

SPECIAL ACHIVEMNTS

Made **Asia's no.1 "Electric Solar Car"** in ESVC-2015 championship held by ISIE.



VOCATIONAL TRAINING

06/2014–07/2014 | L&T Switchgear Centre, Vadodara

06/2014–06/2014 | POH & IOH Railway workshop, Bhavnagar

PROJECT

12/2014–04/2015 | Solar Single Phase Inverter (Final Year)

09/2013–10/2013 | CO₂ Gas Analyzer

08/2012–10/2012 | Smoke Detector

INDUSTRIAL VISITS

- Wanakbori TPS, Kheda
- Atlanta Electricals Pvt. Ltd. Anand
- Kasor 400KV S/S, Anand
- Sardar Sarovar Hydro Power Plant, Navagam
- FAG Bearings Ltd., Baroda
- Elctro-Loco Shed, Baroda
- BECL Ltd, Bhavnagar
- Hi-Tech Investment Casting Ltd, Bhavnagar
- Patson Chemical Ltd, Bhavnagar
- Siddhapura Industries Ltd, Bhavnagar
- Sahyog Industries Ltd, Bhavnagar
- ABB, Baroda
- DCM Shri Ram Alkely, Bharuch

AREA OF INTEREST

- Electrical Machine & Designing
- Control Panel Designing
- Power System and Protection
- Power Generation

EXTRA CURRICULAR

- Winner in Knowledge Quiz Competition in 11th standard
- Participate in cultural activities during school
- Participated in Enginx and Mahindra Auto AQ
- Participated in Circuit Building Event Cognizance

PRESS COVERAGE

CHARUSAT boys' solar car wins laurels at int'l event

Prashant.Rupani@timesgroup.com

Vadodara/ Anand: A solar powered car prepared by budding engineers of Charutar University of Science and Technology (CHARUSAT) has bagged limelight at the Electric Solar Vehicle Championship (ESVC) 2015.

Prithvi - the team of 22 budding engineers of CHARUSAT's Charutar Institute of Technology has been judged the best team in Asia at the championship - touted to be Asia's largest solar event organised by the Imperial Society of Innovative Engineers.

"It was around six months back that we had started preparing for the championship with the first step being the virtual round," said Prithvi team captain and final year electrical engineering student Ashish Pandit.

Out of the 22 teams that took part in this round, only 48 teams cleared the round with CHARUSAT's team emerging as fourth all over Asia and first in Gujarat.

The vehicle had to be developed within the budget of Rs.60,000. "The other tough task was to make the vehicle as light as possible so utilize the batteries and run more efficiently. We selected aluminium as the material for roll-cage," said Pandit.

At the championship, which was held at Andhra Pradesh's Mahabub Nagar, the vehicle developed by Prithvi emerged as one out of 26 which passed through the technical inspection where safety of drivers was judged.

Later, CHARUSAT's team completed the sub-construction in 15.4 seconds. The last day of the championship



The winning team with the model of solar car

started with solar endurance race which the vehicle had to complete 100m distance of 40 metres for 100m and later 100 metres for 100m. The vehicle was connected with other series were disconnected and solar cells installed on the vehicle served as source of power," said Pandit. A team of 22 mechanical engineers and 11 electrical engineering students of the institute took part in the endurance race. After the solar endurance race, the team had to drive a 100m race.

"As we completed 40 laps - the team - we were declared as winners," said, adding that the team won 11 awards apart from being declared champions. The team won the money of Rs 1.15 lakh.

SKILLS

- AutoCAD (2D)
- E-plan
- MATLAB
- Power World Simulation
- Basic PLC & SCADA
- Microsoft Office

HOBBY

- In my free time I love to listening Music and playing PC-Games.
- Always try to know about new things.
- Like to experiment with electronic items, their disassembly and assembly.