

RUCHIR SHAH

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Highlights

- DOE2-based building modeling application skills
- Energy simulation modeling experience
- Knowledge of energy consumption issues
- Problem-solving and analysis skills
- PG&E Energy Coerces
- Ability to translate technical specifications
- Knowledge of tools like MATLAB, Adobe Acrobat Pro.
- Energy simulation tools like eQuest, Energy plus.
- Energy Portfolio Manager, PV Watts, PSYCH tool
- Microsoft Office
- Knowledge of HVAC tool Trace 700
- Energy Efficiency and Demand Response

Accomplishments

Zero Net Energy (San Francisco State University, Prof Ahmed Ganji, Ph.D.)

- Zero Net Energy Simulation of commercial building using eQuest and Energy plus, taking real data of any multistory commercial building in USA and try to get overall energy consumption of the building to be zero.
- Familiarized with California title 24 and ASHRAE 90.1 for building outside California.
- Developed design specifications and functional requirements for commercial solar energy systems or components.

Thermostat management & effect of Skylight (San Francisco State University, Prof A.S Cheng, Ph.D.)

- Using eQuest software simulation tool to identify effect of Thermostat management and Skylight on Electrical and gas consumption of the building, using any multistory building in USA and imperial data.
- Studied about Human behavior based on room temperature
- Research about different lighting load and its effect on the room temperature and also on the electrical energy consumption.

Experience

Mechatronic Engineer

08/2011 to 08/2012

Torrecid India PVT LTD

Mumbai

- Customer support and onsite troubleshooting of mechanical and electronic problems arising in the digital ceramic machine worth \$0.5 Million each.
- Supervised team of three staff members.
- Resolved product issue through consumer testing
- Attended advance machine training in Spain in which learned how to clean printing modules in machine.

Administration

01/2009 to 01/2011

Techno Gravity Solutions

Mumbai

- Conducts seminars and workshops for colleges and schools students interested in learning robotics.
- Manages workshop and coordinates with Deans for arranging workshops in respective schools and colleges.
- Maintained detailed administrative and procedural processes to improve accuracy and efficiency.
- Verified and logged in deadlines for responding to daily inquiries. Created databases and spreadsheets to improve inventory management and reporting accuracy.
- Scheduled and confirmed appointments for entire management team.
- Maintaining data base of schools and colleges.

Education

Bachelors of Engineering: Electronics

June 2011

K.J Somaiya College of Engineering

Mumbai, India

Electronics

Master of Science: Energy Engineering

May 2015

San Francisco State University

San Francisco, California, USA

Energy Engineering

Relevant courses

Energy Auditing & Measurement, Sustainable Energy, Principals of HVAC, Energy Efficient Buildings, Gas theory & Boundary layer flow, Heat transfer, Thermodynamics, Fluid Mechanics, Advance Thermal Fluids, Engineering Management, Engineering Communication, Electrical power Systems, Industrial & Commercial power Systems, Lighting for Human factors & Energy Efficiency, RCx 101: Identifying and Assessing Common Retro commissioning Opportunities