

ALVEENA ABRAHAM

Contact

Address:

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Skill Highlights

- Excellent communication
- Strong presentation skills
- Team player
- Teaching
- Project management
- Service-focused

Software

HAP	<div><div></div></div>
HOMER	<div><div></div></div>
AutoCad	<div><div></div></div>
SolidWorks	<div><div></div></div>

Languages

English	<div><div></div></div>
Hindi	<div><div></div></div>
Malayalam	<div><div></div></div>

Summary

Improving Energy Efficiency in commercial buildings through optimization in HVAC systems.

Work out feasibility of potential projects by collecting and analyzing customer's energy consumption and other relevant data & subsequently carry out techno-commercial discussion with customer to close the order.

Design and performance assessment of efficient HVAC systems.

Proper documentation of Energy conservation measure reports, design qualification and cost benefit analysis.

Carry out research on latest energy efficient technologies in the market and implement them on live projects.

Experience

Energy Engineer - 05/2019 to Present

Smart Joules Pvt Ltd, Delhi

Energy Engineer:

- Improving energy efficiency in commercial buildings through optimisation of HVAC systems.
- Complete assessment of the building and its HVAC plant in order to assess the feasibility of the project.
- Design of Energy efficient Chillers, Cooling towers, HVAC pumps, Heat pumps etc.
- Preparation of cost benefit analysis of all energy conservation measures to be implemented at a new site.
- Detailed report preparation of Energy conservation measures (ECMs), outlining the proposed systems and its benefits for the clients.
- Preparation of Design Qualification reports.

Assistant Business Development Manager:

- Work out the feasibility of project by collecting & analyzing customer's energy consumption & subsequently carrying out techno-commercial discussion with customer to close the order.
- Generate new inquiry for our solutions
- Apply for various energy awards for SJPL/ SJPL's customers
- Carry out research & strategize for entry into new sectors
- Proper documentations of the various proposals.

Cognizant Technology Solutions, Pune

Programmer Analyst Trainee

- Worked on C++, SQL, JAVA

Education

2017-2019

Master of Technology: Renewable Energy Engineering

University of Petroleum and Energy Studies (UPES), Dehradun

- **ISO50001 certified Lead Auditor** (course done during Masters)
- **Energy Engineer Intern at “The Energy and Resources Institute” (TERI), Bangalore:** Worked on pumping audit and sustainable development goals as part of the summer internship program.
- **Biogas production from food waste using a plug flow bag digester:** Utilization of the food waste generated at the university campus to produce Biogas and use it for small scale cooking. The slurry produced was used as an organic fertilizer.
- **Campus placed** at Smart Joules Pvt Ltd, Delhi

2012-2016

Bachelor of Technology: Mechanical Engineering

Karunya University, Coimbatore

- Selected for international student exchange program as part of the Final year project at **Strathclyde University, Scotland.**
- Designed a RR.Moore corrosion fatigue model to test steel parts in a corrosive environment and studied its characteristics.

Certifications

- Energy Management Systems (ENMS) Auditor/ Lead Auditor Training Course (**ISO 50001:2011**)