

Tushar Sahu

GRIHA CP | tushar.sahu457@gmail.com | +91 8530533721

OBJECTIVES

Seeking a responsible career opportunity in Green building sector to fully utilize my training, experience and skills, while making a significant contribution to the goals of the company.

ACADEMIC QUALIFICATIONS

Examination	Year	Board/University	%/CGPA
Bachelor of Technology (Civil Engineering)	2019	Bharati Vidyapeeth (Deemed to be) University	8.52 CGPA
HSC XII th	2015	Central Board of Secondary Education	71.8%
SSC X th	2012	Central Board of Secondary Education	7.8 CGPA

CO-CURRICULAR ACHIEVEMENTS

- Got **first** position in Technikala 2k18, a national level Tech Fest held in NICMAR, Pune in 2018.
- **Volunteered** in Green Build India 2018, International Conference and Expo.
- Completed the **certified training** on AutoCad 2017 in 2D Drawings.
- Completed the **certified training** on Energy Conservation Building Code 2017.
- Presented the paper title "**Use of Softwares in analysis and design of Energy Efficient Buildings**" in National Conference on Environmental Pollution Control and Management held at College of Engineering, Pune.
- Presented the national level paper title "**Energy Modelling of Energy Efficient Building**" in Bhartiya held at BVDU College of Engineering, Pune
- Published the paper title "**Analysis and Design of Energy Efficient Building**" in International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume 7, Issue 5, May 2019.
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WEBINARS & WORKSHOPS PARTICIPATED

- Participated in **GRIHA V 2015** online 5-day training workshop in July 2020.
- Participated in webinar on "**Basics of HVAC**" held by ASHRAE Rajasthan chapter.
- Participated in webinar on "**Energy Simulation for ECBC Compliance**" held by CREDA.
- Participated in webinar on "**ECBC Overview & its Benefits**" held by CREDA.
- Participated in webinar on "**ECBC Requirements & Strategies for Designing Energy Efficient Building**" held by CREDA.
- Participated in webinar on "**Recycle E-Waste for a Sustainable Environment**" held by Pollution Control India.

PROJECT DETAILS

- B.Tech Final Year Project
Title:- Study and Design of an Energy Efficient Building using eQuest

Details:-

- Analysis of the total annual energy consumption of the building using **eQuest- A thermal energy simulation software.**
 - By changing the orientation of the building, suggesting various energy saving design alternatives & by using eco-friendly materials, the total energy consumption of the building can be reduced.
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- Title- Parking Proposal for Bharati Vidyapeeth University, Dhankawadi Campus

Details:-

- Parking Survey of both on-street and off-street parking lots was conducted to determine the parking demand.
- Survey of off-street parking lots was done & layout was made.
- Arrangement of parkings for both 4-Wheeler & 2-Wheeler was done using **AutoCad 2D** so as to meet the demand & to avoid the on-street parkings.

INTERNSHIPS

Company: GEC Structural Consultants & Contractors

Location: Raipur, Chattisgarh

Duration: 1.5 months (June 2018- August 2018)

Key Learnings:

- Introduced to the basic concepts of Green Buildings & the different types of Green Rating systems in India.
- Learnt different simulation softwares used in analysis & design of Energy Efficient Buildings.
- Learnt about the building physics, different design alternatives & the materials used to reduce the annual energy consumption in the building.

Company: Sprout- Greening Ideas

Location: Pune, Maharashtra

Duration: 5 months (20th June to 20th November)

Work Description:

- Involved in various Energy simulation and Daylight simulation projects and certification documentation.
- Worked with simulation tools like Dialux, Ecotect and eQUEST along with IGBC certification projects.

WORK EXPERIENCE

Organisation: PEC Solutions Green Designs Pvt. Ltd.

Position: Energy Analyst

Location: Mumbai, Maharashtra

Duration: Dec 2019- Sept 2020

Work Description:

- Handling energy simulation and energy credits of various high rise Commercial and Residential projects.
- Analysis of input data and output reports and preparation of technical reports and presentations regarding energy simulation.
- Have an experience of handling various projects under GRIHA, LEED and IGBC.
- Have an experience of daylight simulation of GRIHA and IGBC requirements of various Commercial and Residential projects.

CERTIFICATIONS

- Cleared **GRIHA CP** exam on 16th Oct 2020.

SKILLS

- Computer Software- Autocad 2D, Staad Pro, eQuest, Ecotect, Radiance, DialLux
- MS Office (Word, Power Point, Excel)

STRENGTHS

- Quick Learner.
- Accept the challenges and real life problem solving skills.
- Research and analytical skills.
- Reliable team member.
- Can work alone or as a team.

EXTRA CURRICULAR ACHIEVEMENTS

- Hobbies- Cricket, badminton, listening to songs, pc games

PERSONAL INFORMATION

- Date of Birth: 21/08/1996
- Gender: Male
- Address for Correspondance: Qr. No. 11/A, B Pocket, Maroda Sector, Bhilai, Chhattisgarh

Declaration:

I hereby declare that the information stated herein above are true and correct to the best of my knowledge and belief.

TUSHAR SAHU