

**Abhimanyu
Kumar**



EDUCATION

Bachelor of Technology
(Mechanical)
UPTU, India

CREDENTIAL

IGBC AP

CONTACT

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SOFTWARES

Good knowledge about basics of
computer and MS Office

Graphic Designing Softwares

Photoshop, CorelDraw, Illustrator
etc.

Web Development Softwares

HTML, CSS, JAVAScript, Flash etc.

Simulation Softwares

AutoCAD, Revit, IES ve, Trace,
Sketchup, Eco-tect, eQuest etc.

LANGUAGES

Hindi and English

GREEN BUILDING MANAGER GREEN BUILDING FACILITATOR ENERGY ANALYST

Abhimanyu is a mechanical engineer who started his green career with dbHMS in 2009 to learn and use their experience and skill in the field of Green Building. His knowledge base is in the Residential, Institutional, Industrial and commercial sectors. He has an excellent understanding of BIM software suchas: AutoCAD, Revit, IESVE,TraneTrace700, equest and many simulations and designing software like Photoshop, CorelDraw, Illustrator etc. Abhimanyu is also well versed in IGBC, USGBC and GRIHA.

Abhimanyu well known about the HVAC equipments like cooling towers, AHU's, FCU's, Chillers, Pumps etc. He often worked closely with architects, engineers and clients to make sure that the projects came in on time with quality and on budget as well.

EXPERIENCE ABOUT

- ✓ Green Building Certification
- ✓ ECBC compliances
- ✓ Orientation and Climate Study
- ✓ Building Envelope Study
- ✓ Daylighting
- ✓ Solar Exposure and Shading Analysis
- ✓ CFD analysis
- ✓ Heat Load Calculations and HVAC Systems
- ✓ Graphic Designing
- ✓ Web Designing
- ✓ Anti-vibration solutions and equipments
(Mountings and Isolators)

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Skills

- Ability to review energy model files
- Ability to lead energy and climate analysis projects
- Ability to present complex information to clients effectively
- Software knowledge for: Daylight, CFD, Shading analysis and other simulations
- Strong analytical Skill
- Document compilation for Green Building Certification
- Energy Simulations with innovative way
- Energy Team Trainer
- Development of hard and soft library
- Strategies & Campaigns
- Creative Team Leadership
- Development of Training Materials
- Good Graphic Skill
- Problem solver and Trouble shooter

Professional Experience



Kanwal Industrial Corporation (Easyflex) –Founded in 1973, Kanwal Industrial Corporation (KIC) has over 30 years experience in the design and manufacture of reliable, quality products engineered for cost-effective control of vibration, shock and noise. Easyflex brand of products include a complete line of Rubber, Metallic and Fabric Expansion Bellow, open & housed spring mountings, spring & neoprene hangers, pipe supports & clamps, neoprene mounts & pads and accessories. Structural bases and rails, inertia base pouring frames, and seismic mounts & restraints are also available. In addition to KIC extensive product range, KIC also provide engineering services to design seismic and shock isolation systems for mechanical equipment and building structures.

Abhimanyu was playing role of a **Product Analyst** here from 08/03/2006 to 19/08/2009.

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DBHMS CONSULTANT PVT LTD, NOIDA, INDIA—dbHMS is an industry leader in creative engineering solutions for building systems. dbHMS at the forefront of design for today's commercial, institutional, retail, healthcare and industrial buildings. It takes pride in delivering energy optimized, sustainable, MEP and GREEN certified projects. Due to innovative design techniques, documentation approaches and savvy project management, dbHMS consistently maintain the highest standards of professional performance. With a record of solid achievement and a lengthy list of discerning clientele, dbHMS is an consulting engineering firm poised on the cutting edge of contemporary commercial, institutional and industrial engineering.

Abhimanyu was playing the role of an **Energy Analyst**, from 01/08/2009 to 31/07/2017. Provide energy and climate an alysis studies and guidance to the dbHMS team to submit deliverables on time with high quality. Effectively communicate proposed solutions to the clients in high quality visual and verbal communication.



Supertech PVT LTD, NOIDA, Head Office – Supertech Limited was founded in 1988. The company has developed some of the modern and finest residential and commercial complexes in Delhi, National Capital Region (NCR) and new urban settlements like Meerut, Moradabad, Haridwar and Rudrapur. Since inception, the company has been responsible for the development of many of Delhi's other well known urban housing colonies.

Supertech Limited, India's leading real estate developer was founded 27 years back in National Capital Region and since then has been scaling new heights by each passing day. The company has set new trends of architectural finesse in the contemporary global scenario touching the horizons of excellence. Supertech is the pioneer to launch the concept of mixed-use development in India and to come up with high rise constructions in North India.

Abhimanyu is playing a major role of Green Building facilitator and Manager as well, from 01/08/2017 to 25/12/2017

Under the umbrella of green buildings, my role can take several forms.

Facilitator: As a facilitator, Abhimanyu responsibility is to plan and launch a project with a workshop or charrette and organize logistics, keep the meeting on track, and lead the team toward actionable goals.

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Advisor: As an advisor, certify a green building, through the certification process and individual credit forms.

Manager: As a manager, outsource green building certification management altogether, and take on projects where the project team agrees to be closely involved in both implementation and documentation, because in green building design, the “green” cannot be separated from the “design.”

Certification management requires tact and tenacity in order to coordinate documentation and responsibilities. Abhimanyu effectively communicates with architects, engineers, contractors, and owners. As both a licensed architect and professional engineer, Abhimanyu understand the priorities of each discipline, and the pressures of getting a project completed on time and on budget.

Here follows some great experiences:

Energy Simulation: Through the various project experience while energy simulation ability to find the system load, envelope load or external load, internal loads, the yearly energy consumption and more with great accuracy and actual comparison.

Daylight Analysis: To comply the regular occupied spaces with standard (NBC, GRIHA, LEED, IGBC etc.) daylight criteria and provide various kinds of solutions and results to prove the evidence.

Heat Island Effect Study: To reduce the heat impact on the site and building necessary to find the correct aspect and reduce the heat generation on site and represent them in a presentable manner.

Window Shading Analysis: Ability to do this analysis helps to know the percentage of total load through the glass section and select the appropriate shading devices for the building with correct glass properties.

Climate Study: Study over the various climates like Ahmedabad, Pune, Delhi NCR, Chicago etc. This study helps to understand the climate and to improve building design accordingly to the building and optimize the building cost as well.

CFD Analysis: This analysis is done for micro and macro climate and to know the wind properties like wind velocity, wind temperature threshold, wind flow direction etc. to compare their impact on building and occupants.

Orientation and Design Study: Here is one most important responsible aspect to increase energy demand of building orientation and building design itself. Through the good study and suggestion the demand can be reduced by 50% or more.

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Few Selected Project Experience

IGBC Green Homes

Amaryllis
Fusion Homs
Jazz
Songbirds
Lotus
Aranya
RUDRA Penguin
Manas Residential
Romano Supertech
Eco-Village I, II, III
Supernova
Capetown
Ireo
Vanalika
Sunworld Arista
Romano Ajnara
Grihapraves
Sunshine Helios

GRIHA

ITO
AMEX
Praj Tower
IT PARK (BMW Training Centre)
Aquacasa
Palace Heights
Heliport at Rohini
Hill View
Amazonia
Hues

LEED India CS

City Vista (Plot E)
Innovative TechnoparkPvt Ltd
Creative Looms
Sky One
North Eye & ORB