VINOTHKUMAR M

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Design and analysis of sustainable buildings have always been a part of my work history. My strong assets are my experience in the green industry life cycle and Energy Efficiency, along with my enthusiasm to learn more and apply what I know. I am a qualified Technical Head by profession. One of my key strengths is my ability to take on a variety of challenges in projects and meet deadlines

EXPERIENCE:

2015 - 01 – Present   **TECHNICAL HEAD - GREEN BUILDING** – INHABIT & BUILDSCAPE , COIMBATORE

2012-12 – 2014-12   **ENERGY ANALYST -** EN3 SUSTAINABILITY SOLUTIONS, CHENNAI

2010-11 – 2011-11   **GRADUATE TRAINEE -** BHARAT HEAVY ELECTRICALS LIMITED, TRICHY

WORK AREA	- Whole building Energy simulation (Energy modelling for LEED, IGBC & GRIHA) | | Daylight analysis | Radiant analysis | Shading analysis | Artificial Lighting Analysis | CFD simulation | LCA Analysis | LEED, IGBC and GRIHA Documentation | Co-ordinates and works with client and other departments/consultants to ensure green requirements. - Create an internal management software application for each project - Preparation of Master project files and websites for each green building project - Design and implement the decentralized wastewater treatment system (Bio STP) at the site
SUMMARY OF EXPERIENCE	- Having **9+ years' experience** in the energy efficiency and green industry life cycle with good knowledge in concepts of green buildings and its various rating systems (**IGBC**, **LEED** and **GRIHA**). - Being an energy analyst, **completing 250+ projects** and got opportunity to be a part of wide variety and scale of projects ranging from multiple dwelling units, commercial sectors (shopping mall, IT parks), hospitality projects like hotel buildings, airport, sports stadium, port and industrial projects etc. - Sustainability engineer with specialization in Simulation and also services like Green building facilitation, reviewing passive design techniques and their feasibility for buildings, analysis of various **HVAC** and **Lighting systems**, **Energy simulation, Artificial lighting**, **Daylight & Shading analysis**. - Good Knowledge on sustainable / alternate building materials, construction technologies, Energy modelling guidelines of international standards **(ASHRAE & ECBC)**.
ACHIEVEMENTS:	- Sierra ODC's eFacility, Coimbatore - **World's 2nd Highest ranking Green Building** rated by GBCI under LEED NC - Good Shepherd International School, Ootacamund - **India's greenest school** rated by IGBC Green Schools - Institute of Information Technology, Design and Manufacturing at Kurnool - **FIVE STAR** GRIHA V.2015 rating system - Indian Institute of Information Technology at Trichy , NIT KARAIKAL, Coimbatore & Trichy Airport - Residential Campus Under GRIHA V.2015 rating system - Develop and implement DWWT System- one of the largest in south India

SOFTWARES:	Autocad | Visual DOE 4.1.2 | IES VE 2021 | ECOTECT ANALYSIS | Equest |DIALux Evo| FLUENT13.0 (CFD Software) | ANSYS

CERTIFICATES:	**Indian Green Building Council |** Accredited Professional	**Green Rating for Integrated Habitat Assessment-** GRIHA Certified Professional

ACADEMIC QUALIFICATION

- **UNDER GRADUATION**   **Anna University, Chennai**

Department	:	B.E (MECHANICAL)
Institution	:	Sengunthar Engineering College, Tiruchengode.
Year	:	2007-2010

- **DIPLOMA**   **D.O.T.E**

Department	:	D.E.R (ELECTRONIC ROBOTICS)
Institution	:	Arulmigu Palaniandavar Polytechnic College, Palani.
Year	:	2004-2007

- **SSLC**   **STATE BOARD**

Institution	:	Guruvappa Higher Secondary School, Palani.
Year	:	2003-2004