

ABHISHEK MEHROTRA

abhishekmehrotra17@gmail.com

[linkedin.com/in/abhishek-mehrotra-a93b0717](https://www.linkedin.com/in/abhishek-mehrotra-a93b0717)

+919582122890, +886-966500047

A-107, Awas Vikas, Rajendra Nagar, Bareilly, Uttar Pradesh-243122 (India)



Professional Summary

Experienced Product Development Engineer with over 8 years of experience in Educational training and research system manufacturing. Knowledgeable Product Development Manager adept at collaborating with team members, other departments and customers to develop relevant, high-quality products that drive company growth. Well-organized and proactive with excellent communication and planning abilities. Also experienced in installation of systems and conducting training for engineers in the field of renewable energy.

Skills

- Renewable energy system modelling and development
- Product development, testing and installation
- Project management
- Data analysis and numerical solution
- Energy efficiency and auditing
- Characterisation of renewable energy systems
- Customer support and handling
- Workshop and training for engineers
- **Computer Programming Skills:** Elementary knowledge of language C and FORTRAN.
- **Applications:** MS-Office, Data plots and Analysis etc.
- **Engineering Software Applications:** TRNSYS, MATLAB, PVSYST, COMSOL and FLUENT.
- **Technical drawing:** Microsoft Visio.
- **Designing:** InDesign
- **Data analysis:** ORIGIN, Advanced Excel

Work history

Senior Engineer-R&D

Ecosense Sustainable Solutions Pvt Ltd

April, 2014 – August, 2018

- My working area was stretched from developing renewable system model to testing and execution. I led the development team as I was the senior most members in department and during the period my team actively worked in the development and execution of 8 regular systems and some customized products/projects.
- Due to the high efforts of my development, my company produced the full range of renewable energy systems and become the only Indian company which has all major kind of RE systems for research and training. Also, we had done lots of modifications in systems which significantly reduced the complaints from Institutes.
- Major Achievement: Some of the products developed by me also in demand in foreign countries and successfully running there in different Institutes. One of my products (First product) is most popular as 400 no. of units has already sold out.

- Effectively involved with several training and teaching program in different educational institutions and research organizations such as TERI, Galgotia University, KVIC, HBL, JAIN Irrigation etc.
- Conducted various workshop and trainings for my team of engineers and taught them basics of RE and installation techniques
- Developed manuals (experimental and product) of systems and also designed curriculum for different trainings.

Education

Indian Institute of Technology, Delhi 2008-2010
M.Tech, Renewable Energy, 8.3/10

Post graduation in renewable energy with deep learning of Photo-Voltaic system working and its power analysis. Learned different software related to PV and thermal (PVSyst and TRANSYS) Attended different courses which are add-ons for my profile as a system development and modeling (Solar energy utilization, energy economics, wind energy system and solar thermal energy).

M.J.P. Rohilkhand University, Bareilly 2006-2008
Master of Science (M.Sc), Physics, 60/100

Post graduated with the specialisation in electronics which covers different aspects of semiconductors and its devices.

M.J.P. Rohilkhand University, Bareilly 2003-2006
Bachelor of Science (B.Sc), Physics and Mathematics, 58.15/100

Graduated in science with physics and mathematics as major

Accomplishments

- Developed 8 regular products and various customized systems for training and research purpose which brought the company at top position in India for exhibiting full range of renewable energy training system
- Conducted more than 10 workshops for different companies as an organizer and trainer as well
- Developed Solar concentrator training system with dual axis tracking which is not exhibited by any other company
- Designed and developed various kind of training systems (solar lab) for National Institute of Solar Energy for Suryamitra skill development program
- Proposed an idea of indirect cooler with good efficiency, with methodology, which can reduce the bill without affecting the comfort but due to fund this product is not developed.
- Conducted training of the sales persons for their learning about how to represent our products to clients (Institutes).

Affiliation

I am a certified Energy Auditor (EA16804) which I achieved after clearing an exam conducted by BEE, India.