

Aniket Chaudhari

Founder – Reinvent Design Technologies

Architect, High Performance Building Design expert

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ARCHITECTURAL DESIGN, PROJECT CONCEPTUALIZATION, STRATEGIC LEADERSHIP, HIGH PERFORMANCE CLIMATE RESPONSIVE BUILDING DESIGN, ENERGY MODELLING

KEY COMPETENCE

- ✓ Sustainable Architectural design
- ✓ Planning and Execution of large scale buildings
- ✓ Worked as Project Architect & coordinated with Client, consultants & contractors
- ✓ Project management, cost effective & affordable building design experience
- ✓ Green Buildings Consulting (LEED / UKNCM/ IGBC / GRIHA)
- ✓ Strong R & D background with energy simulation software testing & tools development
- ✓ Building Energy modelling & High performance building Design & BIM

SKILLS

- ✓ Design optimization & Dynamic whole building simulation using VE
- ✓ Revit, Autocad, Sketchup, IESVE
- ✓ Passive design, artificial & daylight design, Natural ventilation, CFD, material performance & selection

SPECIAL INTERESTS

- ✓ High performance building design, analysis and optimization
- ✓ Cost effective & sustainable technologies research
- ✓ Net-Zero and Energy positive building technologies
- ✓ BIM & City information modelling for better masterplanning and energy optimization at large
- ✓ IoT and climate based real time performance optimization building technologies
- ✓ Smart cities

CAREER ACHIEVEMENTS

- ✓ Worked as **Project Architect** for more than **7 years** on **National & International projects** in MNC
- ✓ Experience of working on **large scale Architectural design projects** like Institutions, IT parks, Hospitals, Hotels, Corporate parks, Resorts & Residential towers
- ✓ Worked as **Research & Development consultant** with **Integrated Environmental Solutions IES-VE** for 4 years. Worked on more than five **EU funded smart cities, master planning & retrofitting R & D projects**
- ✓ **High performance building design**, analysis, energy optimization for **US, UK, ME & Asia pacific** projects
- ✓ **IES worldwide technical support** team member, software testing, **online decision support software tool development and data analysis** for various countries
- ✓ Active member of **IIA Mumbai, Registered Council of Architecture** member

EDUCATION

May 2002 – May 2007

Bachelor of Architecture (B. Arch) from University of Mumbai
Sir J. J. College of Architecture

CREDENTIALS

- ✓ Registered Architect with Council of Architecture

VOLUNTEER EXPERIENCE

- ✓ IIA Mumbai chapter active member
- ✓ ISHRAE Thane Chapter Active member
- ✓ ASHRAE Pune Chapter (YEA Co-Chair for 2018-2019)

REINVENT DESIGN TECHNOLOGIES

Founder

Pune, November 2017 – Present

- ✓ Authorised Training Partner(ATP) & Reseller of IESVE in India, Srilanka & Bangladesh
- ✓ Architectural design services
- ✓ Conceptual design development, coordination to design execution & site supervision services for small to large scale projects
- ✓ Detailed Building Energy Modelling using advanced tools for all kinds of projects
- ✓ Bioclimatic analysis, site planning, passive design strategies, building massing, form & envelope optimization & analysis for assuring maximum performance
- ✓ Artificial & Day light analysis, optimization and integrated studies with design development to achieve best results, energy saving strategies and compliance for various rating system
- ✓ Low cost & high performance design strategies to achive better result
- ✓ Conducting IESVE basic to advanced training programs on energy modelling, dynamic simulation for Architects, Engineers, Colleges, Institutes

INTEGRATED ENVIRONMENTAL SOLUTIONS (IES)

Research & Development Consultant

Pune, September 2014 – October 2017

- ✓ Worked with R & D team directly for retrofitting, smart cities, masterplanning EU & FP7 funded projects. Performed key role in testing & developing online DSS tools, demo site modelling, detailing, simulation, calibration, result analysis as per different package requirement of each project. Testing and reporting of new VE modules and versions before launch

Reference Projects:

- ✓ **UMBRELLA:** Business Model Innovation for High Performance Buildings Supported by Whole Life Optimization
- ✓ **INDICATE:** Indicator-based Interactive Decision Support and Information Exchange Platform for Smart Cities
- ✓ **FASUDIR:** Friendly & Affordable Sustainable Urban Districts Retrofitting
- ✓ **IMPRESS:** New Easy to Install & Manufacture Pre-Fabricated Modules Supported by a BIM based Integrated Design Process
- ✓ **NEWTREND:** New Integrated methodology and Tools for Retrofit Design towards a next Generation of Energy efficient and sustainable buildings and Districts
- ✓ **IURBAN:** Intelligent Urban Energy tool. Simulation based control for energy efficiency building operation and maintenance
- ✓ **MASTERPLANNING:** City level building energy simulation, visualization and analysis tool

STUP CONSULTANTS PVT. LTD.

Project Architect

Mumbai, May 2013 – September 2014

- ✓ Worked on on designing commercial, residential, hotels, institutional and IT projects. Worked as an Project Architect with team of Sr. Architects, Jr. Architects & Draughts persons. Handling Architectural project from conceptual design to detail working drawing, in close co-ordination with various consultants & client.

LEAP SDC (Space Matrix Design Consultants)

Sustainable Design Analyst

Bengaluru, January 2013 – May 2013

- ✓ Worked on optimization of commercial and residential building design for better performance and energy saving. Compliance for LEED projects and coordination with team

MARVEL REALTORS

Building Energy Analyst

Pune, May 2012 – November 2012

- ✓ Worked on optimization of residential inhouse building projects for better performance and energy saving. Compliance for IGBC Green Homes certification and coordination with team
- ✓ Performed detailed energy simulation for projects like Marvel Fria, Marvel Selva Ridge, Marvel Simrose, Marvel Verano, Marvel Bounty-II

INTEGRATED ENVIRONMENTAL SOLUTIONS (IES)

Project Consultant

Pune, June 2011 – May 2012

- ✓ Worked on various consultancy energy modelling projects to achieve energy efficiency in commercial & residential buildings from India, UK & Middle East
- ✓ Worldwide technical support for IES modules

Reference Projects:

- ✓ **NOGA Tower**, Bahrain
- ✓ **St. Petersburg Airport**, Russia
- ✓ **Hockley Student Accommodation**, UK
- ✓ **Inkersall Medical Centre**, UK
- ✓ **ITE**, Singapore
- ✓ **Skidders School**, UK
- ✓ **Pritech Phase-II**, India

STUP CONSULTANTS PVT. LTD.

Architect

Mumbai, December 2006 – May 2011

- ✓ Worked on on designing commercial, residential, hotels, institutional and IT projects. Worked as an Architect with team of Sr. Architects, Jr. Architects & Draughts persons. Handling Architectural project from conceptual design to detail working drawing, in close co-ordination with various consultants & client.

Reference Projects:

- ✓ **Software Parks:** Bharti Airtel, Rajarhat Kolkata, GTL Tower
- ✓ **Institutions:** IIST, Vedanta university
- ✓ **Bank:** Canara Bank at BKC Mumbai
- ✓ **Resorts:** Club Mahindra resort at Coorg
- ✓ **Warehouse:** Arshiya International Ltd
- ✓ **Hospital:** National Heart Centre, Muscat
- ✓ **Corporate Park:** Neptune Evolution, Kurla
- ✓ **Residential:** DAMAC tower at Doha, TRIL Nagpur

REFERENCE PROJECTS DETAILS

Indian Institute of Space Science & Technology (IIST)

Client- **ISRO, Government of India** (Design Build Project with ShapoorjiPallonji)

Location- Trivandrum, Kerala

Area- 83000 sq. m.

Period-2008 onwards

Job Description- Team member Architect, Detail designing, Working Drawings, Material specs, Co-Ordination with client & consultants

Vedanta University

Client- **Anil Agarwal Foundation**

Concept Architect- **ASG (USA)**

Location- Puri, Orissa

Area- Land 8000 acres, BUA 14762 sq. m. (Phase 1A)

Period- 2006 onwards.

Job Description- Team member architect, Detail designing, Working Drawings, Material specs, Co-Ordination with concept architect (ASG from USA) and consultants

Neptune Evolution

Client- **Neptune Group**

Concept Architect- **FOSTERS+PARTNERS**

Location- Kurla, Mumbai

Area- 268500 sq. m. Period-2006

Job Description- Team member architect, Detail designing, Working Drawings, Material specs, Co-Ordination with concept architect (Foster+Partners), Client & consultants.