Ar. Nidhi Dixit Laturkar  
Architect & LCA expert  
M.Arch(enumerational Design & Planning)

Nidhi is a practicing architect & a serious dabbler - always ready to experiment and innovate. She has been into entrepreneurship for past few years doing green building projects as well as pet sensitization.

With curiosity & passion driving her varied interests, Nidhi has worked on exhibiting designs to architectural journalism.

After pursuing her masters, Nidhi discovered her analytical skills in doing research and whole building analysis for glass facade buildings. Currently she chooses and works on projects of her own interest and prefers an interdisciplinary team to work with.

“I believe making and breaking boundaries are both human endeavours. I believe boundaries are created by us- degree, study, experience - what lies beneath is a constant urge to learn and explore new horizons.”

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About Arcallusion

We couldn’t agree more with Tony Gaskins when he said “If you don’t build your dream someone else will hire you to build theirs”, after all we are architects. And that’s how Arcallusion came into existence. We initiated this venture in 2013 as an exploration to provide market driven solutions in sustainable design consulting. We operate pan India in Mumbai, Pune and Bengaluru. Collaborating with professionals ranging from a biologist, engineer to a journalist. We provide complete environment driven architectural solutions. Our gamut of work includes eco-resorts in private forests, Building Design and Green building certifications, wildlife media analysis, carbon footprint & LCA.

The practice is dedicated to the deepest level of involvement in the design characterised by strong conceptual legibility, innovation and a rigorous approach to detailing.

Around here - Mental and intellectual stimulation is the catalyst which helps us going through mesh of creativity and technology.

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What’s in store for you?

Architects – We help you achieve a climate contextual design, thorough microclimatic analysis as a starting point. An in depth study of daylight & Wind patterns and thermal comfort could be done to enhance the details. Integrating your design process with passive & active strategies to achieve an energy efficient aesthetically architecture is our goal. Using building simulation as a tool, the design options could be evaluated for climate responsiveness. We help the team in doing Green building certification - IGBC, GRIHA & LEED.

Manufacturing Industry – “green makes business sense” and to take this idea forward, we cater to sustainability management along with product carbon footprint Life cycle analysis & GHG inventorization. We evaluate the current scenario and collaborate with the organization to monitor it for a time period. Data validation & certification of this can be done through GreenCO Certification
Service Industry—Sustainability planning, training and management can be done along with continuous monitoring of HVAC, electrical & water consumption. We help you reduce your operating costs. We help you in data monitoring & validation of the results even after occupancy by integrating software in your existing infrastructure. Organization carbon footprint is an attempt to understand the impact on environment.

Product Designers—We help you approach the design problem through “life cycle thinking”, a holistic approach which integrates the product design & packaging. It strives towards designing an eco-product with minimum impact, optimum resource utilization.

The expertise of Allusion Architects is in Sustainable Architecture, Green Lifestyle, Building Simulation, Carbon Modelling, and Lifecycle Assessment. Our frontrunners are masters in the domain of Sustainability that offers consultancy in design & analysing. Conducting training at Indian universities has been an attempt to inspire student to take a leap towards sustainability through profession & passion. Our specialists are highly trained experts within their respective fields.

Projects

1. Rating system:
   Consultant for rating system facilitation & environmental Design.
   • LEED Green Homes - Precertification - Township in Pune
   • LEED NC - building energy consumption report for ABCD, Ahmedabad
   • GRIHA – Building Simulation for 3 townships in Pune – Punawale, Premier & Woodsville
   • Building Simulation - Thoughtworks (Pune & Bangalore)
   • LCA of Office - Thoughtworks, Pune

2. Research:
   Urban & regional Planning
   • EIA - large infrastructure project on Eco-sensitive zones
   • future with land use planning
   • solid waste management

   Carbon footprint & LCA
   • life cycle energy analysis of commercial building
   • Identifying architectural concerns to reduce carbon footprint of dairy
   • LCA of office renovation (Interiors) – Thoughtworks

   Wildlife awareness
   • Part research - Understanding the role of representations of human-leopard conflict in Mumbai through media-content analysis
   • Main research : Urban National Parks in Emerging Countries and Cities (UNPEC) Rio de Janeiro, Mumbai, Nairobi, Cape Town

3. Environmental Design:
   • School campus, Lucknow
   • Eco resort, Koyna
   • Weekend House, Kolhapur
   • Disaster housing, Orissa
4. **Publications**

- Latest Technologies Related to glass in structural glazing Application, Quality Edge inaugural issue, Oct 2013
- Fire-Fighting in Glass buildings, Indian Express, 2012
- Understanding the role of representations of human-leopard conflict in Mumbai through media-content analysis, UNPEC 2012
- Windows of Possibilities, BNCA, invited as a speaker to Royal institute of Arts, Sweden