



# Integrative Design Solutions Private Limited

172, Indraprastha Apartments, Pocket 3, Sector 12, Dwarka, New Delhi – 110075

## Role in IDSPL: Architect.

**Family name:** Paladugu

**First names:** Tanaya

**Date of birth:** 28/09/1995

**Nationality:** Indian

**Place of Residence:** Hyderabad

**Civil status:** Married

## Education:

Institution [ Date from - Date to]	Degree(s) or Diploma(s) obtained:
2018-2020	Master of Architecture
2013-2018	Bachelor of Architecture

## • Key experience related to the project.

Sustainable Designing, Architectural Design, Energy Efficiency in Buildings, Building Performance analysis, Passive designing techniques, Green Building Documentation

## • Specific professional Experience in the region

Country	Date from - Date to
India	2020 onwards

## Professional experience

Place	Date from - Date to	Role of Candidate	Details of the Project
Integrative Design Solutions Private Limited, Delhi	June 2020 - onwards	Sustainability Analyst	1. <b>Adaptation of 2000 Watt Smart City concept to Indian Context</b> <ul style="list-style-type: none"><li>• Development of framework and a manual draft of the rating system.</li></ul>

Place	Date from - Date to	Role of Candidate	Details of the Project
			<ul style="list-style-type: none"> <li>• Coordinating with officials for data collection in implementation of the rating system.</li> <li>• Capacity building and knowledge dissemination about 2000WSCI with building sector stakeholders.</li> <li>• Preparing and supporting the site in availing 2000WSCI rating.</li> </ul> <p>2. <b>ENS residential building compliance</b></p> <ul style="list-style-type: none"> <li>• Green Building and Energy Efficiency Consultation.</li> <li>• Architectural design suggestions and energy simulation of the building to comply with the standards.</li> <li>• Coordinating with different stakeholders in the implementation of the energy efficiency measures.</li> </ul> <p>3. <b>UN House &amp; Pacific Mall LEED certification documentation (O+M)</b></p> <ul style="list-style-type: none"> <li>• Extensive understanding of the project and HVAC layout</li> <li>• Client meetings and data collection with respect to certification requirements.</li> <li>• Green building documentation</li> <li>• Both the buildings seeking for Platinum rating and is under progression.</li> </ul> <p>4. <b>Building Performance carried out for a residential building, New Delhi</b></p> <ul style="list-style-type: none"> <li>• Extensive understanding of envelope composition with respect to thermal resistance and cost parameter.</li> </ul>

Place	Date from - Date to	Role of Candidate	Details of the Project
			<ul style="list-style-type: none"> <li>• Energy simulation and daylight analysis for G+4 structure.</li> </ul> <p>5. <b>TSREDCO net zero office building sustainability consultant for energy efficiency</b></p> <ul style="list-style-type: none"> <li>• Competition bid for energy efficient government building.</li> <li>• Extensive climate study with respect to passive and active technique in achieving net zero carbon emission.</li> <li>• Energy simulation and daylight analysis with all energy efficient measures incorporated.</li> </ul> <p>6. <b>Hospitality project, Manali, Himachal Pradesh</b></p> <ul style="list-style-type: none"> <li>• Understanding the climatology and different strategies that can be incorporated in order to reduce overall energy consumption.</li> <li>• Different kinds of construction techniques to reduce thermal bridging between different building components and their composition.</li> </ul> <p>7. <b>Development of Modules for Training (knowledge dissemination)</b></p> <ul style="list-style-type: none"> <li>• An Integrated Approach to Energy Efficient Building Design.</li> <li>• Energy efficient urban water supply system.</li> <li>• Energy efficiency through building envelope and role and importance in space cooling and heating.</li> </ul>

Place	Date from - Date to	Role of Candidate	Details of the Project
Juniper brooks, Hyderabad	January 2018- May 2018	Architectural Intern	<ol style="list-style-type: none"> <li>1. Residential interior works</li> <li>2. Landscape technical drawings</li> <li>3. Façade design for a commercial building</li> <li>4. Working drawings for a villa unit</li> <li>5. Research on immigration leading to climate change</li> </ol>
Pediment designers, Hyderabad	July 2017- December 2017	Architectural Intern	<ol style="list-style-type: none"> <li>1. 2 BHK Interiors and site execution and site supervision</li> <li>2. Restaurant Interior Designing,</li> <li>3. Landscape design and working drawings</li> <li>4. Site visits</li> <li>5. Client meetings and design presentation</li> <li>6. Estimation and Evaluation of BOQ's</li> <li>7. Villa architectural design and working drawings</li> <li>8. Digital 3D modelling, conceptual drawings, architectural drawings, presentations showing the process and design.</li> </ol>

**Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Hindi	4	3	5
Telugu	2	1	5

**Membership of professional bodies:**

- Licensed Architect member in Council of Architecture
- Leadership in Energy and Environment Design (LEED) Accredited professional.
- Indian Green Building Council (IGBC) Accredited Profession
- ASSOCHAM GEM Certified Profession
- Green Rating for Integrated Habitat Assessment (GRIHA) Certified Professional

**Other skills: (e.g. Computer literacy, etc.)**

AutoCAD, Design Builder, Ecotect, Dialux, Microsoft Office, Adobe Photoshop, Sketchup, V-Ray, Lumion, Revit, Energy Plus, Opaque, Rhino & Grasshopper (Ladybug and Honey Bee plugins)

**Present position:** Sustainability Analyst

**Years within the firm:** 2.5 years

**Publications:**

1. Role of Indoor Air Quality to Enhance Human Comfort in A Corporate Office Building for Tropical Climate

Publication Journal - Pramana Research Journal

Volume 9, Issue 4, 2019 (Page No- 107 to 116)

2. Influence of Immigration on Climate Change

Publication Journal - ISPER (Institute for Spatial Planning and Environment Research) Conference- International Conference on Future Cities,

IIT Roorkee (ICFC, 2019)

3. Mitigation of Surface Urban Heat Island Effect Through Street Geometry in Terms of Temperature

Publication Journal - IJRAR (International Journal of Research and Analytical Review)

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