

DEEPIKA SAHNI**Mailing Address:**

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Contact Details:

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Total Work Experience – 2 Years

Summary Skills: Urban Planning, GIS, Architectural Design, Building Services Design, Building Codes & Regulations, Fire Audits

Academic Qualifications

Passing Year	Course	College/ University	CGPA/ Percentage
2022	Masters of Planning with specialization in Housing	Maulana Azad National Institute of Technology (MANIT), Bhopal	9.2
2019	Post Graduate Programme in Contemporary Smart Cities Development and Management (PGP-CSCDM)	National Institute of Construction Management (NICMAR), Pune	9.22
2017	Bachelors in Architecture	Giani Zail Singh-Punjab Technical University Campus, Bathinda, Punjab	73.25%
2012	12 th CBSE Board	Sudesh Vatika Convent School, Bhagiwander, Bathinda	79.4%
2010	10 th CBSE Board	St. Joseph's Convent School, Bathinda	85.5%

Registered under Council of Architecture Regd. No: CA/2018/93298

Qualified GATE-2018

Work Experience

Year	Organization	Designation
Aug 2022- Present Date	Maharaja Ranjit Singh Punjab Technical University, Bathinda	Assistant Professor
Oct 2019 -Sept 2020	Fire Research Lab, CSIR-Central Building Research Institute, Roorkee	Project Assistant
May 2019 – Oct 2019	Unique Architects, Patiala	Assistant Architect
June 2017- June 2018	Continental Engineering Consultants, Bathinda	Assistant Architect
June 2017- March 2018 (Part Time)	Department of Architecture, Giani Zail Singh College of Engineering and Technology, Bathinda	Research Assistant

Work Description

GZS School of Architecture & Planning, Maharaja Ranjit Singh Punjab Technical University, Bathinda

Designation – Assistant Professor

Job Profile – Academic teaching

Passionate towards teaching students in the domain of B. Architecture & Masters of Planning.

Fire Research Lab, CSIR - Central Building Research Institute, Roorkee

Designation – Project Assistant

Job Profile: Fire Safety Audits & Design of fire safety systems

At Fire Research Lab, I got the experience to work on Fire Safety Audits and design of Fire Safety Systems for buildings. Fire Safety Audits were conducted for B. S. Negi Bhawan, ONGC, Dehradun & Cancer Block, AIIMS, New Delhi. I also had the opportunity to work on international projects: Disaster Resilient Schools, National Library and Hospitals in the earthquake affected areas of Nepal, funded by Government of India for which fire and electrical drawing were prepared. Electrical drawings were prepared taking into consideration the day light factor for each of the buildings. The Nepal project necessitated a great deal of collaboration between the design team and the project managers. As a result, it provided me with an opportunity to improve my managerial skills.

Unique Architects, Patiala (May 2019- Oct 2019)

Designation – Assistant Architect

Job Profile: Architectural Design, Construction and Site Visits

It was a brief stint in the office, but I was able to contribute to the design and issue of GFC drawings for a number of planned institutional, residential, and commercial buildings in Sonipat and Patiala.

Continental Engineering Consultants, Bathinda (June 2017- June 2018)

Designation – Assistant Architect

Job Profile: Designing, drawing, rendering and detailing of commercial, residential and Gurudwaras.

Coordination with project managers and senior architects to ensure that project plans adhere to local, state, and federal code requirements and specifications. Supervise the work of CAD designers and drafters in the creation of project blueprints.

Major Projects: Guru Ravidas Temple, Rio Linda, California, Hotel Designs & few Residential projects.

Department of Architecture, Giani Zail Singh College of Engineering and Technology, Bathinda (June 2017- March 2018)

Designation – Research Assistant

Job Profile: Energy Efficiency and Design Builder

I assisted one of my professors in completing her Ph.D. on the topic "Energy Efficient Envelope Design Strategies for Commercial Buildings in Composite Climates." The goal of the study was to simulate several building models by utilising passive design methodologies and use energy-efficient materials with regard to multiple orientations for each building component, namely wall, window, and roof, and to recommend the ideal orientation for construction.

Under her supervision, I collected and compiled data from existing office building plans relating to covered spaces, fenestration areas, WWR, and so on. After finalization of building specifications and parameters based on the literature review, modelling of sample reference cases and their variants in Design Builder software for 1000+ simulations were performed. A report consisting of simulation results was prepared and then a hand-held tool was prepared to check the energy saving.

Technical skills

Working knowledge of the following software:

- AutoCAD
- Adobe Photoshop
- Google Sketch up
- Microsoft Office
- Revit
- GIS softwares
- Lumion

Other Interests

- Reading novels
- Logo making

Languages

- English
- Hindi
- Punjabi

I hereby declare that the above information is true to best of my knowledge and I bear responsibility for the correctness of particulars.

Deepika Rani

13.03.2023