



## ARPANA KUMARI

### Assistant Professor, Grade II

Department of Architecture and Planning, MANIT Bhopal

Pursuing Ph.D., MANIT Bhopal

COA Registration No.: CA/2017/88280

## PERSONAL & CONTACT DETAILS

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|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
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## PROFILE SUMMARY

I am an Architect, Industrial Designer, and Assistant Professor (Grade-II) at MANIT Bhopal, with experience spanning academia, architecture, design consulting, and entrepreneurship. I am currently pursuing my Ph.D. from MANIT Bhopal alongside my teaching responsibilities in the Department of Architecture and Planning.

Prior to joining MANIT, I founded Arpana Design Studio Pvt. Ltd., where I led multidisciplinary projects in architecture, interior design, industrial design, UI/UX design, branding, and digital product development.

My professional experience includes working as a Junior Architect on residential, commercial, hospitality, and institutional projects, as well as serving as a UX Design Faculty, mentoring students in Design Thinking, User Experience (UX), and innovation-driven problem solving.

My expertise includes sustainable architecture, climate-responsive design, renewable energy integration, building planning, industrial design, user-centered design, design research, 3D visualization, CAD/BIM, and interdisciplinary project management. I am passionate about integrating design, technology, and sustainability to create innovative solutions for the built environment.

My current academic interests focus on sustainable development, low-carbon architecture, resilient communities, and research aligned with the Sustainable Development Goals (SDGs) and Viksit Bharat 2047. I welcome opportunities for research collaboration, academic partnerships, and interdisciplinary innovation.

## EDUCATIONAL QUALIFICATION

| Qualification    | Institution                                           | Year    |
|------------------|-------------------------------------------------------|---------|
| Ph.D. (Pursuing) | Maulana Azad National Institute of Technology, Bhopal | Ongoing |

|                                      |                                                |             |
|--------------------------------------|------------------------------------------------|-------------|
| Master of Design (Industrial Design) | School of Planning and Architecture, New Delhi | 2019 - 2021 |
| Bachelor of Architecture             | National Institute of Technology, Patna        | 2012 - 2017 |

## PROFESSIONAL & TEACHING EXPERIENCE

| Organization                                          | Role                          | Duration            | Nature of Work                                                                                                                      |
|-------------------------------------------------------|-------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Maulana Azad National Institute of Technology, Bhopal | Assistant Professor, Grade II | Current             | Teaching, research and mentoring in the Department of Architecture and Planning; pursuing Ph.D. alongside academic responsibilities |
| Arpana Design Studio Pvt. Ltd., Purnia                | Principal Designer            | Nov 2022 - Present  | Architecture, interior and experience design; UI/UX design and development                                                          |
| Simanchal Infratech Pvt. Ltd., Purnia                 | Design Lead                   | Nov 2022 - Oct 2025 | Architecture, interior and experience design; UI/UX design and development                                                          |
| ImaginXP, Kalinga University, Raipur                  | UX Design Faculty             | Jan 2022 - Nov 2022 | Taught and mentored students in UX, UI and Design Thinking; conducted workshops and studio sessions                                 |
| Curves Architectural, Kolkata                         | Project Architect             | Jun 2017 - Jul 2019 | Assisted senior architects on residential and commercial projects — drawings, models and renderings                                 |
| Integral Design + Architecture, Mumbai                | Design Intern                 | Jun - Nov 2016      | Residential/interior design & development, material research, drawings, 3D modeling, site visits                                    |
| Architectonics, Dhanbad                               | Design Intern                 | Jun - Jul 2015      | Design, planning, architectural drawings, 3D modeling, material research and reporting                                              |

## RESEARCH & ACADEMIC INTERESTS

- Sustainable & climate-responsive architecture
- Renewable energy integration in the built environment
- Low-carbon architecture and resilient communities
- Building planning and industrial design
- User-centered design and design research
- Research aligned with the Sustainable Development Goals (SDGs) and Viksit Bharat 2047

## CERTIFICATIONS

- Foundation of User Experience (UX) Design — Google, Coursera (2021)
- UX Design Process Simplified: From User Research to Usability — Muhammad Ahsan Pervaiz, Udemy (Feb 2021)
- User Experience Design Essentials: Adobe XD UI/UX Design — Daniel Walter Scott, Udemy (Feb 2021)
- Interaction Design Foundation — Certified Member

## AREAS OF EXPERTISE

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|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Design Skills</b>          | User Research, Design Thinking, Ideation, Visual Design, Branding, Graphic Design, Packaging, Illustration, Sketching, Interior Design, Artwork, Painting |
| <b>Technical Expertise</b>    | Sustainable & Climate-Responsive Design, Renewable Energy Integration, Building Planning, 3D Visualization, CAD/BIM, Interdisciplinary Project Management |
| <b>Software Proficiency</b>   | AutoCAD, Revit, SketchUp, Rhinoceros, V-Ray, Lumion, Figma, Adobe XD, Photoshop, Illustrator, SolidWorks, KeyShot                                         |
| <b>Subjects Teaching (UG)</b> | Architectural Design Project - I, History of Architecture - II, History of Art & Culture, Computer Applications - I                                       |

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