

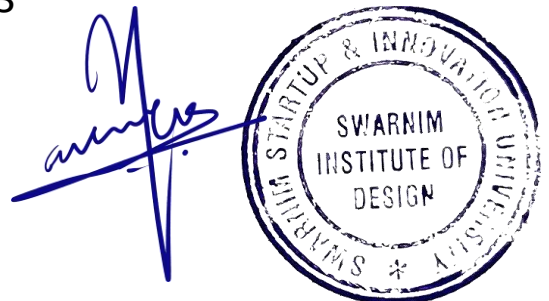


# VALUE ADDED COURSE

**Swarrnim Institute of Design**

**Branch: Bachelor of Architecture**

**YEAR: 2022-2023**



Bhoyan Rathod, Opposite IFFCO, Near ONGC WSS, Adalaj  
Kalol Highway, Gandhinagar, Gujarat - 382422.

**Course Title:** Urban Design and Planning

**Course Code:** VACUDP

<b>PROGRAMME:</b>	Bachelors of Architecture	<b>Branch:</b>	All
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**Hours:** 30 hrs

**Course Overview:** The "Urban Design and Planning" course is designed to provide participants with a comprehensive understanding of the principles, processes, and challenges involved in urban design and planning. This 30-hour course explores the intricacies of designing and planning urban environments, focusing on the creation of sustainable, livable, and resilient cities. The course combines theoretical knowledge with practical skills, enabling participants to address contemporary urban challenges through innovative design and strategic planning.

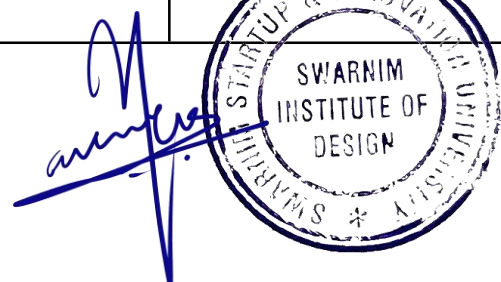
**Course Objectives:**

- To introduce the core principles and theories of urban design and planning.
- To explore the relationship between urban design, architecture, and landscape architecture.
- To understand the social, economic, and environmental factors influencing urban planning.
- To develop skills in creating urban design proposals and planning strategies.
- To encourage critical thinking and problem-solving in the context of urban development.

**Target Audience:** This course is ideal for architecture students, urban planners, landscape architects, civil engineers, and professionals involved in urban development and policy-making who are interested in the design and planning of urban environments.



Course outline		
Sr. No	Content	Total hours
1.	<b>Module 1: Introduction to Urban Design and Planning</b> <ul style="list-style-type: none"> <li>Definition and scope of urban design and planning</li> <li>Historical evolution of urban design: from ancient cities to modern metropolises</li> <li>Key concepts: urban form, density, scale, and public space</li> <li>Overview of urban design theories and models</li> <li>Case studies of notable urban design projects</li> </ul>	05
2.	<b>Module 2: Principles of Urban Design</b> <ul style="list-style-type: none"> <li>Elements of urban design: streets, squares, parks, and buildings</li> <li>Urban morphology and the structure of cities</li> <li>The role of public space in urban design</li> <li>Human-centered design: creating walkable and livable cities</li> <li>Designing for diversity and inclusivity in urban environments</li> </ul>	06
3.	<b>Module 3: Urban Planning Processes and Strategies</b> <ul style="list-style-type: none"> <li>The planning process: from vision to implementation</li> <li>Land use planning and zoning regulations</li> <li>Transportation and infrastructure planning</li> <li>Environmental planning and sustainability in urban development</li> <li>Tools and techniques for urban analysis and data collection</li> </ul>	05



Course outline		
Sr. No	Content	Total hours
4.	<b>Module 4: Sustainable Urban Design and Resilience</b> <ul style="list-style-type: none"> <li>Principles of sustainable urban design</li> <li>Climate-responsive design and green infrastructure</li> <li>Urban resilience: planning for climate change and natural disasters</li> <li>Smart cities and the integration of technology in urban design</li> <li>Case studies of sustainable and resilient urban projects</li> </ul>	06
5.	<b>Module 5: Community Engagement and Participatory Planning</b> <ul style="list-style-type: none"> <li>The importance of community involvement in urban planning</li> <li>Techniques for engaging stakeholders and residents</li> <li>Participatory design and collaborative planning processes</li> <li>Addressing social equity and justice in urban development</li> <li>Case studies of successful community-driven urban projects</li> </ul>	04
6.	<b>Module 6: Urban Design Project Development</b> <ul style="list-style-type: none"> <li>Developing a design concept for an urban site</li> <li>Conducting site analysis and context studies</li> <li>Creating urban design proposals: sketches, models, and presentations</li> <li>Evaluating design solutions: feasibility, sustainability, and social impact</li> <li>Final project presentation and critique</li> </ul>	04



**Teaching Methodology:**

- Interactive lectures and presentations
- Studio-based design exercises and workshops
- Group discussions and collaborative projects
- Field visits to urban sites and case study locations
- Guest lectures by urban design and planning professionals

**Learning Outcomes:** By the end of the course, participants will be able to:

- Understand the fundamental principles of urban design and planning.
- Analyze and interpret the physical and social structure of urban environments.
- Develop urban design proposals that address contemporary challenges.
- Apply sustainable and resilient design strategies to urban projects.
- Engage with communities and stakeholders in the urban planning process.

**Assessment:**

- Quizzes and assignments on urban design theory and principles
- Hands-on design exercises and project work
- Site analysis report and design proposal development
- Final presentation of an urban design and planning project

**Certification:** Participants who successfully complete the course requirements will receive a certificate of completion in Urban Design and Planning.

