



VALUE ADDED COURSE

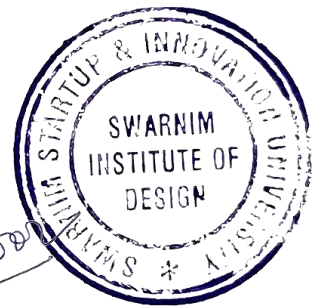
Swarrnim Institute of Design

Branch: Bachelor of Architecture

YEAR: 2023-2024



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

Course Title: Architectural Photography and Visualization

Course Code: VACAPV

PROGRAMME:	Bachelors of Architecture	Branch:	All
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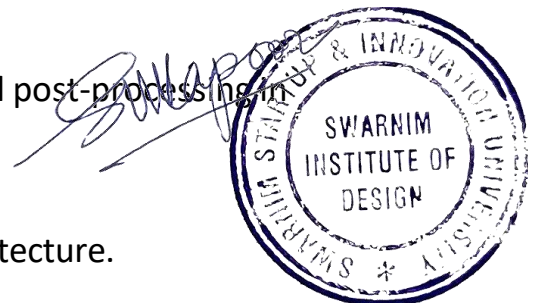
Hours: 30 hrs

Course Overview: The "Architectural Photography and Visualization" course is designed to equip participants with the skills and knowledge necessary to effectively capture and visualize architectural spaces. Over 30 hours, this course will delve into the art and technique of architectural photography, as well as the digital tools and methods used to create compelling architectural visualizations. Participants will learn how to translate architectural designs into visually striking images that communicate the essence of a space.

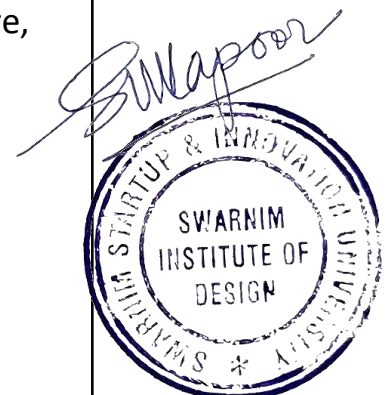
Course Objectives:

- To introduce the fundamentals of architectural photography and visualization.
- To teach the technical skills required to photograph architectural spaces effectively.
- To explore various tools and software for creating high-quality architectural visualizations.
- To develop an understanding of composition, lighting, and post-processing in architectural imagery.
- To encourage creativity in visual storytelling through architecture.

Target Audience: This course is ideal for architecture students, architects, photographers, designers, and anyone interested in enhancing their skills in architectural photography and visualization.



Course outline		
Sr. No	Content	Total hours
1.	Module 1: Introduction to Architectural Photography <ul style="list-style-type: none"> Overview of architectural photography: history and significance Understanding the role of photography in architecture and design Basic camera settings and techniques for architectural photography Composition in architectural photography: framing, perspective, and scale Case studies of iconic architectural photographers and their work 	05
2.	Module 2: Technical Skills in Architectural Photography <ul style="list-style-type: none"> Camera equipment: choosing the right gear for architectural photography Working with different lenses and their effects on architectural imagery Techniques for shooting exteriors: capturing building facades and urban context Techniques for shooting interiors: working with natural and artificial light Hands-on workshop: on-site architectural photography session 	06
3.	Module 3: Post-Processing and Editing <ul style="list-style-type: none"> Introduction to post-processing software (e.g., Adobe Lightroom, Photoshop) Basic editing techniques: adjusting exposure, contrast, and color balance Advanced editing techniques: perspective correction, HDR, and panoramic stitching Retouching architectural images: removing distractions and enhancing details Hands-on workshop: post-processing architectural photographs 	05



Course outline		
Sr. No	Content	Total hours
4.	Module 4: Architectural Visualization Basics <ul style="list-style-type: none"> Introduction to architectural visualization and its importance in design communication Overview of visualization software (e.g., SketchUp, 3ds Max, V-Ray, Lumion) Creating 3D models from architectural drawings Case studies of effective architectural visualizations 	06
5.	Module 5: Advanced Visualization Techniques <ul style="list-style-type: none"> Realistic rendering: achieving photorealism in architectural visualizations Creating visual narratives: storytelling through architectural imagery Introduction to animation and walkthroughs in architectural visualization Hands-on workshop: creating a rendered visualization of an architectural project 	04
6.	Module 6: Presenting Architectural Images and Visualizations (4 hours) <ul style="list-style-type: none"> Best practices for presenting architectural photography and visualizations Preparing images for print and digital formats Creating portfolios and presentation boards Communicating design intent through imagery Final project presentation: showcasing architectural photography and visualization work 	04



Teaching Methodology:

- Interactive lectures and software demonstrations
- On-site photography sessions and studio-based workshops
- Group discussions and critique sessions
- Project-based learning with a focus on real-world applications
- Guest lectures by professional photographers and visualization experts

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

- Demonstrate proficiency in capturing architectural spaces through photography.
- Use post-processing techniques to enhance and refine architectural images.
- Create detailed and realistic architectural visualizations using 3D modeling and rendering software.
- Develop visual narratives that effectively communicate architectural designs.
- Present architectural imagery in a professional and impactful manner.

Assessment:

- Quizzes and assignments on architectural photography and visualization techniques
- Hands-on photography and visualization projects
- Post-processing and editing exercises
- Final portfolio presentation showcasing a collection of architectural photography and visualizations

Certification: Participants who successfully complete the course requirements will receive a certificate of completion in Architectural Photography and Visualization.

