



# Specialization in **Artificial Intelligence & Design Innovation**

**Dive into the Future of AI-Driven Designs to Create  
Innovative, Intelligent Spaces**





# COURSE DESCRIPTION



## WHAT IS THE ARTIFICIAL INTELLIGENCE PROGRAM BY @L.A.B.S. ?

### Unlock the Power of AI-Driven Design Ideation

Discover AI tools tailored to the ideation and early design stages, from generative modeling to advanced design automation

### Lead with Intelligent Conceptualization

This course empowers architects to leverage AI for enhanced creativity, precision, and efficiency, pushing design boundaries from the start

### Envision Adaptive, Innovative Designs

Integrate AI insights to refine your ideas, streamline workflows, and create groundbreaking architectural concepts with ease





# FEATURES

DISCOVER

**20<sup>+</sup>** *AI TOOLS*

**5<sup>+</sup>** *MACHINE LEARNING  
APPLICATIONS*

DEVELOP

**Create your Own AI Custom Models**

**Machine Learning Essentials**

**Iterative Design Refinement**

**Advanced Prompt Engineering**

**Integration of Individual Projects**

**Future Proofing AI**





# INDUSTRY

## CREATE

Diverse  
Design  
Iterations

## CURATE

Custom workflows  
for optimized  
outputs

## CULTIVATE

Data driven  
realistic  
outputs

*Transform Your Career with AI-Driven Design  
Skills for Tomorrow's Architectural Innovations*

**GAIN COMPETITIVE ADVANTAGE**

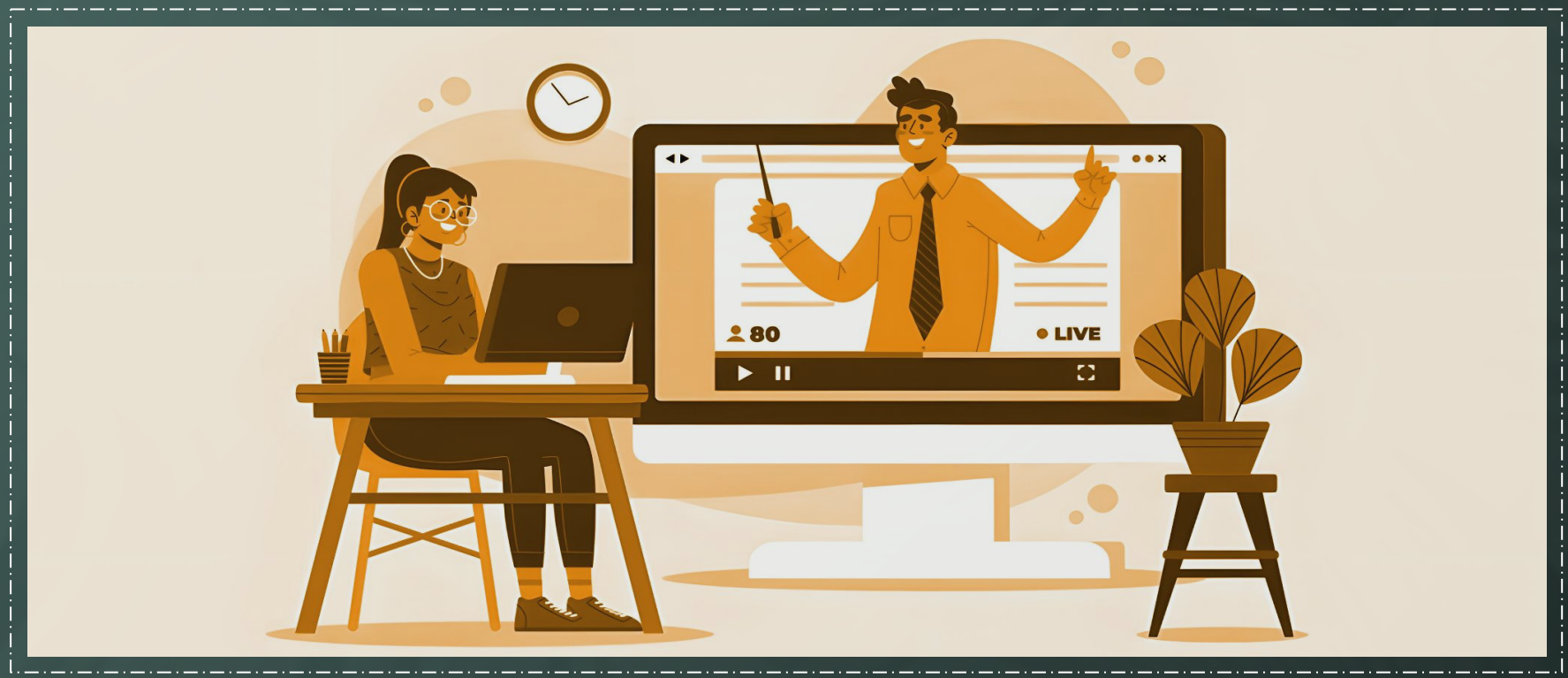
*With*

**ARTIFICIAL INTELLIGENCE**





# FRAMEWORK



## Learn From the Global Experts

Experts from multidisciplinary fields



## Practical Skills Development

Industry – Aligned Applications



## Career Guidance

Customized Career Development Plans

## PEDAGOGY

- **LIVE CLASSES** : All classes are conducted live
- **FREQUENCY** : 2 classes per week, Each class is 3 hrs
- **STRUCTURE** : Organized into 4 modules – Beginner to Advanced
- **SUPPORT** : Each module includes support and query sessions
- **TOTAL DURATION** : 30+ hrs over 7 Weeks





# CURRICULUM

## LEARN - Foundation



### Introduction to AI in Architecture

- ❑ Define AI and its significance in architecture
- ❑ Explore the evolution and impact of AI technologies
- ❑ Discuss potential applications and benefits in design processes

### Fundamentals of Generative AI

- ❑ Understand Generative AI and its role in architecture
- ❑ Explore how it enhances design workflows
- ❑ Review case studies of Text-to-Text and Text-to-Image applications

### Introduction to Mid Journey

- ❑ Set up accounts and navigate Discord for Mid Journey.
- ❑ Familiarize yourself with the Midjourney interface and basic commands
- ❑ Discuss workshop themes and design issues for AI integration

### *Site-Specific Prompting Techniques*

- ❑ Parameters to develop prompts tailored to specific site challenges
- ❑ Learn effective prompt structures for image generation
- ❑ Experiment with diverse outputs to refine & enhance project concepts





# CURRICULUM

## APPLY - Intermediate



### Diversifying Your AI Capabilities

- ❑ Leonardo.AI, Create quick, visually compelling concepts with ease
- ❑ Archsynth, Designed for architects, seamlessly works on Rhino & SketchUp
- ❑ Veras, Real-time rendering workflows with AI-driven enhancements

### AI - Generated Assets

- ❑ Use Leonardo & Rendair for dynamic, visually engaging presentations
- ❑ Generate unique, high-quality 3D assets with MidJourney & Archsynth
- ❑ Integrate AI-created visuals effortlessly into Veras & Archsynth

### Exploring Stable Diffusion

- ❑ Understand differences between Stable Diffusion and Mid Journey
- ❑ Discover tools for enhancing design capabilities
- ❑ Create diverse renders from 3D models

### Comfy UI Workflow Basics

- ❑ Familiarize yourself with Comfy UI interface and terminology.
- ❑ Recreate Midjourney operations within Comfy UI.
- ❑ Generate 3D assets using text-to-3D processes





# CURRICULUM

## BUILD - Advance



### Understanding ControlNet Functionalities

- ❑ Use sketching and depth mapping to enhance designs
- ❑ Explore segmentation methods for improved accuracy
- ❑ Engage in hands-on exercises with ControlNet

### Applying ControlNet in Design

- ❑ Integrate ControlNet features into real-world projects
- ❑ Experiment with different functionalities to refine design outcomes
- ❑ Document and present the impact of ControlNet on your designs

### Introduction to Custom Models and LoRA Tools

- ❑ Discover Civit.ai for custom model creation
- ❑ Learn how LoRA enhances design flexibility
- ❑ Build your first custom LoRA models

### Advanced LoRA Applications in Projects

- ❑ Customize LoRA models for specific needs
- ❑ Implement LoRA tools in previous projects
- ❑ Brainstorm and apply LoRA solutions





# CURRICULUM

## SCALE - Expert



### Video Creation Techniques with AI

- ❑ Pika to create video content from still images with dynamic transitions
- ❑ Advanced features for enhancing motion & depth in visual storytelling
- ❑ Apply techniques for smooth animations and impactful visual effects

### 3D Modeling Techniques with AI

- ❑ Use Tripo 3D to convert text prompts into 3D models
- ❑ Design interiors and furniture layouts with text-to-3D tools
- ❑ Customize 3D visuals for unique, immersive spaces

### Finalizing AI-Enhanced Designs

- ❑ Prepare quality renders & animations that highlight design details.
- ❑ Communicate design workflows clearly for effective engagement
- ❑ Present projects with a focus on innovative AI tool applications

### Future-Proofing for AI

- ❑ Discover resources for continuous learning in AI and design
- ❑ Explore emerging trends and tools in AI impacting architecture
- ❑ Personal plan to integrate AI advancements into future projects





# EXPERTS

Our mentors are experienced professionals from top firms worldwide, with a strong background in Urban Planning & Geospatial analytics and involvement in diverse, high-impact projects.



## Mira Housen

Founder - Atopos

AI Specialist

Algorithmic Design Consultant

# ATOPOS



## Vasudha karnani

Architectural Technologist

AI Optimization Specialist

# M:OFA



## Victor Suarez

Founder - Vensu

AI Researcher

Computational Workflow Specialist

# Iaac





# TESTIMONIALS



## Aparna Surve

**Dean - D.Y. Patil, School of Architecture, navi Mumbai**

This workshop exceeded all expectations, moving past traditional methods to equip future architects with innovative skills! It's packed with creative insights and hands-on experiences that make integrating AI into architectural design exciting and accessible. I highly recommend it to anyone looking to explore how AI can enhance their design process—get ready to unlock new possibilities!



## Anushka Shetty

**Final Year Student - Balwant Sheth School of Architecture, Mumbai**

My experience with the urban design module at @L.A.B.S. has been incredibly rewarding! Exploring innovative software for data-driven design was both enjoyable and engaging. I enhanced my design skills and learned to represent data in eye-catching ways. Mastering these tools will benefit my future projects and seamlessly integrate data analysis into my designs. Overall, this journey at @L.A.B.S. reignited my passion for creative and analytical design strategies!



## Mehar Kalra

**Project Engineer - CEPT Research & Development Foundation**

Engaging with @L.A.B.S. has been a true technological awakening. Their insights into how AI and Big Data are revolutionizing urban planning revealed the potential for smarter, data-driven decision-making. I learned about practical applications and scaling these technologies to address real-world urban challenges. This experience deepened my appreciation for the vital role technology plays in shaping adaptive, future-ready cities!



## Manmath Dhongle

**Master Student - D.Y.Patil School, School of Architecture, Navi Mumbai**

I had a fantastic time at the workshop at DY Patil School of Architecture with @L.A.B.S., where I discovered how AI can transform our understanding of urban environments! I didn't just work with AI; I lived it! We explored how AI breaks down different parts of a city into colorful sections, making analysis fun and easy. The AI-generated visuals really brought the layout to life. Overall, it was an enlightening experience, and I loved the insights shared during the session!



## Akshat Agarwal

**Final Year Student - Balwant Sheth School of Architecture, Mumbai**

I learned more in three months than in my entire four years of bachelor's! Attending the course at @L.A.B.S. was incredibly enriching. From extracting data with Google Maps and Google Earth Engine to mastering data representation, every moment was packed with knowledge. The highlight was critically examining how data is represented, allowing me to create various maps and determine which ones work best for different data types. I highly recommend this course to anyone interested in advanced urbanism!



## Dhruvi Rathod

**Master Student - IDPT SCET School of Architecture, Surat**

I want to express my heartfelt gratitude for the fantastic workshop on AI workflows for architects at @L.A.B.S.! The sessions on AI models and their practical applications were enlightening and fun. The hands-on activities sparked my creativity and provided valuable insights that will elevate my future projects. Thank you for such an amazing experience that turned complex concepts into exciting possibilities!





# PROGRAM INVESTMENT

## INDIA

Total Program Fee

₹ 35,000

(Incl. Taxes)

## ABROAD

Total Program Fee

\$ 420

(Incl. Taxes)

Payment Types Accepted



## EMI Options Available

If you need to Avail EMI Options Reach out to us and  
our support team will guide you







LABS

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