Specialization in

Artificial Intelligence & Design Innovation

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

COURSE DESCRIPTION

Empowering Architects with Advanced AI Workflows for Smarter, Sustainable Solutions

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

Learn From the Best
Specialists working in top firms

Real World Projects
Industry - Aligned Applications

Career Guidance
Personalized Growth Pathways

Develop & Discover

Create your Own AI Custom Models

Iterative Design Refinement

Advanced Prompt Engineering

Personal Project Integration

Future Proofing AI

15+

AI Tools

INDUSTRY

CREATE
DIVERSE
DESIGN
ITERATIONS

CURATE
CUSTOM
WORKFLOWS
FOR OPTIMIZED
OUTPUTS

CULTIVATE
DATA DRIVEN
REALISTIC
OUTPUTS

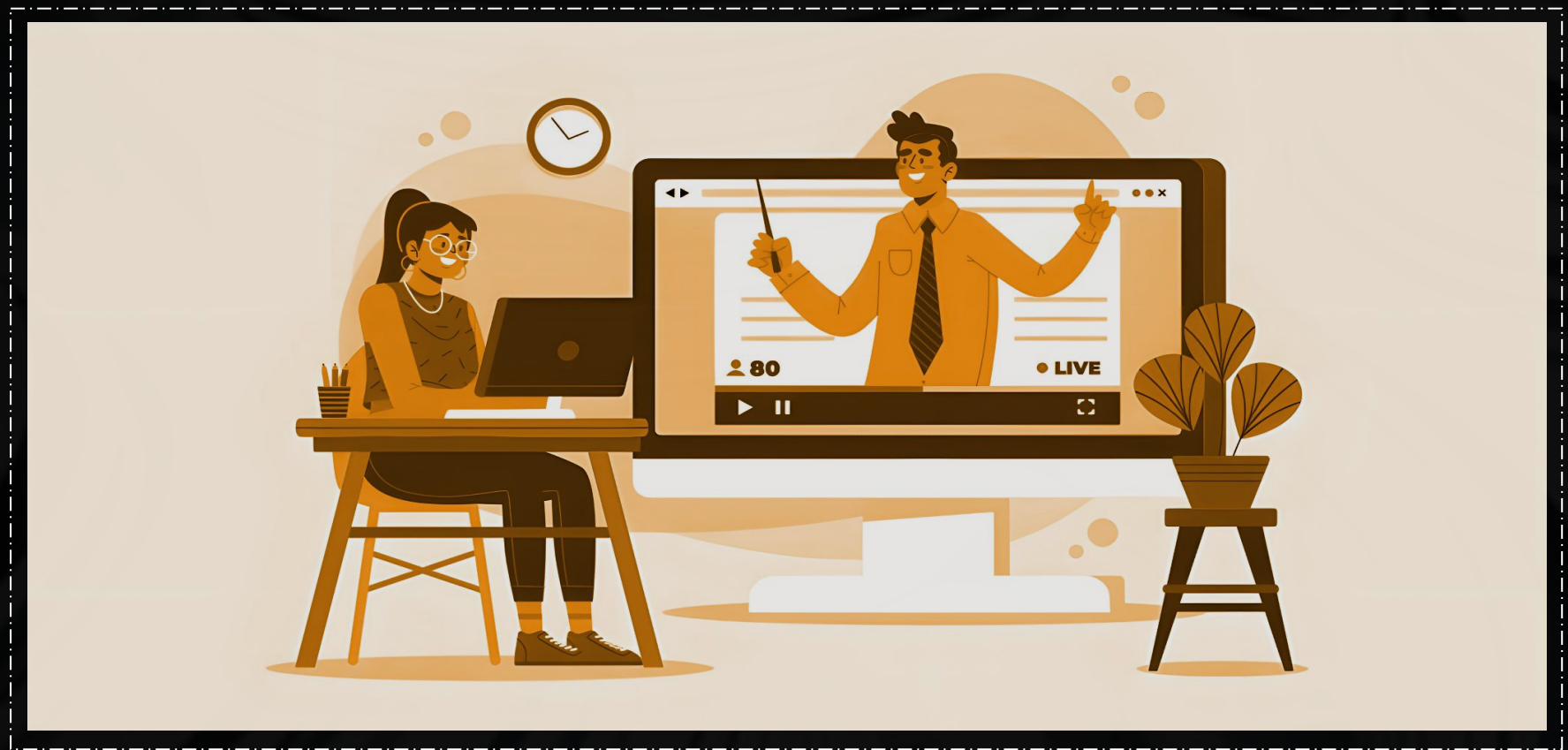*Transform Your Career with AI-Driven Design Skills for Tomorrow's Architectural Innovations*

GAIN COMPETITIVE ADVANTAGE

With

Artificial Intelligence

FRAMEWORK

PEDAGOGY

- **LIVE CLASSES :** All classes are conducted live

- **FREQUENCY :** 2 classes per week

- **DURATION :** Each class is 2.5 hrs

- **STRUCTURE :** Organized into 4 modules - beginner to advanced

- **MODULES :** Four modules—Learn, Apply, Build, Scale

- **SUPPORT :** Each module includes support and query sessions

- **TOTAL DURATION :** 50+ hrs over 3 months

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

Prompting Techniques

- ❏ Learn effective prompt structures for image generation
- ❏ Apply techniques for interiors and facades
- ❏ Participate in exercises to refine your prompting skills

CURRICULUM

APPLY - Intermediate

Site-Specific Prompting Techniques

- ❏ Advanced parameters to develop prompts tailored to specific site challenges
- ❏ Collaborate with peers to create designs that address unique contextual factors
- ❏ Experiment with diverse outputs to refine and enhance project concepts

Introduction to Runway

- ❏ Learn Runway features for image manipulation and video creation
- ❏ Connect Mid Journey and Runway for visual modifications
- ❏ Experiment with workflows to streamline processes

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

❏ Use 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 high-quality renders and animations that highlight design details.
❏ Communicate design workflows clearly for effective audience 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
❏ Create a personal plan to integrate AI advancements into future projects

EXPERTS

MENTOR PANEL

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 | ADVANCED ARCHITECTURE GROUP

TESTIMONIALS

Vishal Shah

Founder & Principal Architect
Aangan Collaborative LLP

The 'Climate AI' workshop by @L.A.B.S. was an eye-opener on how technology and sustainability intersect. The hands-on approach made complex topics easy to grasp, and the collaborative environment sparked great discussions. If you're serious about using AI for urbanism, joining @L.A.B.S. will be a game changer!

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

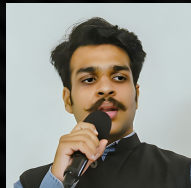**Project Engineer** - CEPT Research & Development Foundation

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!

LABS

EMPOWERING INNOVATION IN DESIGN & TECH

THROUGH REAL-WORLD EDUCATION

Start Application

To know more about Enrollments contact us at
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