

ady.
ADYAPAN

Adyapan School

CATIA



Duration - 2 months

Industry
Certification



Skill India Certified

250+
Partner Companies

From **concept** to 3D **interaction** Master it all.

From models to immersive experiences - become industry-ready.

This immersive CATIA program takes you beyond foundational concepts into real-world 3D application development. Learn 3D modeling, rendering, animation, and interactive system design using industry tools and engines through hands-on projects and guided builds. With a strong focus on real-time interaction and practical workflows, you'll graduate with the ability to create dynamic 3D applications, develop immersive environments, and deliver engaging interactive experiences with confidence.

8

MODULES

30+

PROGRAM OFFERINGS

20,000+

STUDENTS

250+ PARTNERED COMPANIES



ABOUT ADYAPAN SCHOOLS

Where education meets real-world impact

Not just a course — a platform to launch
your career.

Adyapan Schools was built with a single conviction:
learning works best when it happens in the real world.
We partner with top companies, mentors, and industry
platforms to ensure every student graduates with a
portfolio of work that speaks louder than a certificate.

Our programs combine rigorous coursework with live
client projects, giving you the skills and proof-of-work
that employers actually want.

MISSION

To equip ambitious learners with
practitioner-level digital
marketing skills through mentor-
led, project-based education that
bridges the gap between learning
and earning.



VISION

To be India's most trusted
launchpad for the next generation
of marketing leaders — defined
not by degrees but by the real
work.



Everything you need to grow fast

PROGRAM HIGHLIGHTS

Live Industry Projects

Work on campaigns for real brands alongside your coursework. Build portfolio projects that prove your expertise to employers.

1-on-1 Mentorship

Dedicated mentors from Google, Microsoft, Mastercard and more. Get personalized guidance and industry connections.



AI-Powered Marketing

Learn cutting-edge AI tools alongside evergreen fundamentals. Stay ahead of the curve in a rapidly evolving landscape.



Dual Certification

Earn both a Course Completion and Internship Certificate – accredited by Skill India Digital Hub and NSDC.



Internship Guarantee

Graduate with an internship completion certificate from a live brand project. Concrete, resume-ready proof of work.



Industry Network

Join a network of alumni at Amazon, Google, Adobe, Microsoft. Access exclusive hiring events and referral opportunities.

8 weeks. 8 modules. Infinite impact.

WEEK 1

Introduction to CAD & 3DEXPERIENCE Platform

- Discussion of Curriculum
- Introduction to CAD concepts and the CATIA interface
- Navigate the 3DEXPERIENCE platform: 3DDrive, Dashboard, Conversations
- Update profile, manage notifications, and create user groups
- Create and manage a community using 3DSketch and 3DStory
- Sketcher basics: drawing environment, tools, and navigation



WEEK 2

Sketcher & Collaborative Tools

- Sketch constraints: geometric and dimensional constraints
- 2D sketch practice: lines, arcs, circles, and profiles
- Create and manage collaborative spaces and bookmarks
- Manage MS Office documents within the 3DEXPERIENCE platform
- Create tasks, routes, and issues for project coordination



WEEK 3

Part Design Fundamentals

- Pad & Pocket operations for base feature creation
- Shaft & Groove for revolving profiles
- Create and constrain fully associative 3D models
- Design reusable features and parameterize models
- Rib & Slot, Patterns, and Boolean operations



8 weeks. 8 modules. Infinite impact.

WEEK 4

Advanced Part Design

- Fillet & Chamfer for edge finishing
- Shell Command and Draft Features
- Multi-section Solids for complex geometry
- Parameterization and design intent best practices
- Practice models combining all Part Design tools



WEEK 5

Surface Design

- Surface creation fundamentals and Extrude Surface
- Sweep & Loft operations for complex forms
- Create curves and surfaces using wireframe geometries
- Surface Trimming and Joining Techniques
- Analyze surface quality and heal defects



WEEK 6

Assembly Design

- Assembly basics: inserting and organizing components
- Applying constraints and managing part positioning
- Create engineering connections and flexible assemblies
- Product structure management and component reuse
- Assembly practice project with multiple parts



CURRICULUM

8 weeks. 8 modules. Infinite impact.

WEEK 7

Drafting & 2D Documentation

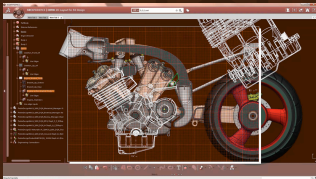
- Understand the EV battery life cycle
- Study second-life battery applications and assessment methods
- Explore EV battery recycling processes and compare material recovery rates, energy inputs, and environmental impact
- Study global recycling companies and regulatory frameworks, including the EU Battery Regulation's recycled content mandates



WEEK 8

Advanced Tools

- Sheet Metal design: flanges, bends, and flat patterns
- Mold Design basics and Simulation introduction
- Industry applications: automotive, aerospace, and manufacturing contexts
- Mechanical Component Design Project combining all modules



WHO THIS IS FOR

This course is perfect for

Students & Career Switchers

Aspiring 3D App & Interactive
Experience Developers

CS, Game Development &
Multimedia Students

Designers Transitioning to 3D
& Interactive Platforms

Developers Exploring AR/VR &
Real-Time Rendering

Creative Technologists &
Simulation Enthusiasts

CERTIFICATIONS



ALUMNI NETWORK

Our alumni work at world-class companies

Amazon

Adobe

Google

Autodesk

Microsoft

Deloitte

Your career switch is one click away.

Ready to begin? Apply at adyapanschool.com or email us at support@adyapan.com

Apply Now