

ady.
ADYAPAN

Adyapan
School

Construction Planning



Duration - 3 months

**Industry
Certification**



Skill India Certified

**250+
Partner Companies**

From blueprint to execution Master project planning.

From plans to project execution - become industry-ready.

This immersive Construction Planning program takes you beyond foundational concepts into real-world project management and site execution. Learn project scheduling, resource allocation, cost estimation, risk management, and construction workflows through hands-on case studies and guided tools. With a strong focus on practical implementation and industry practices, you'll graduate with the ability to plan, manage, and optimize construction projects efficiently while meeting timelines, budgets, and quality standards with confidence.

8

WEEKS

30+

PROGRAMS OFFERED

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

Fundamentals of Construction Planning

- Overview of construction planning and its role in the project lifecycle
- Phases of construction: design, pre-construction, execution, post-construction
- Key stakeholders: architects, engineers, contractors, suppliers
- Communication and collaboration strategies
- Scheduling methodologies (Gantt, CPM, PERT)
- Tools: MS Project, Primavera P6
- Basics of budgeting and cost estimation



WEEK 2

Resource and Risk Management

- Types of construction resources: labor, material, equipment
- Resource allocation and optimization methods
- Procurement and supply chain management
- Vendor coordination and logistics
- Risk identification: safety, financial, environmental
- Risk assessment and mitigation planning
- Developing a resource and risk management plan



WEEK 3

Monitoring & Reporting Progress

- Defining KPIs: time, cost, quality, and productivity metrics
- Tracking project progress and analyzing performance data
- Budget forecasting and resource utilization
- Quality control and compliance measures
- Predictive analytics for schedule and cost forecasting
- Tools for project documentation and dashboards



8 weeks. 8 modules. Infinite impact.

WEEK 4

Sustainable Construction & BIM Integration

- Green building principles and certifications (LEED, BREEAM)
- Incorporating sustainability into planning and design
- Building Information Modeling (BIM) fundamentals
- Clash detection and 3D design optimization using BIM
- AI in design simulation and construction workflows
- Introduction to robotics in construction (3D printing, excavation, laying)
- Jobsite safety technologies and hazard detection systems



WEEK 5

Cost Optimization & AI Forecasting

- Cost-benefit and value engineering methods
- Detecting inefficiencies and reducing overruns
- Real-time cost tracking using AI tools
- Schedule optimization with predictive models
- Delay prediction and early warning systems
- Workflow automation for reports and cost updates



WEEK 6

Automation & Data-Driven Construction

- AI and automation in project documentation
- Predictive models for labor and material forecasting
- Centralized document control and version management
- AI-supported safety monitoring and compliance alerts
- Integrating cost, scheduling, and resource data
- Preparing teams for digital transformation in construction



8 weeks. 8 modules. Infinite impact.

WEEK 7

Structural Design & Analysis

- Overview of structural analysis using STAAD Pro
- Load calculation: wind, seismic, and dead loads
- Design of beams, columns, and slabs
- Applying structural properties and checking safety
- Estimating material quantities and steel requirements
- Integration of structural data with project schedules



WEEK 8

Project Scheduling & Capstone

- Creating advanced schedules in MS Project
- Work Breakdown Structure (WBS), Gantt charts, and dependencies
- Resource leveling, earned value management (EVM), and tracking progress
- Reporting, customization, and multiple project integration
- Capstone Project – Complete end-to-end construction plan integrating cost, time, and AI-driven automation
- Presentation and evaluation



WHO THIS IS FOR

This course is perfect for

Students & Career Switchers

Aspiring Planning Engineers &
Project Coordinators

Civil Engineering & Construction
Management Students

Working Professionals in
Construction & Infrastructure

Site Engineers & Project
Execution Teams

Professionals Interested in
Scheduling, Costing & Project
Control

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