Placement Shiksha

Architecture for the Modern Web

System Design Master Program

More info
www.placementshiksha.com

Call us
+91 89533 08446

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System Design Training Course

Coding is only 20% of the job. Industry demand has shifted from "LeetCode solvers" to System Architects. To land Senior SDE roles, you must design resilient, distributed systems capable of handling millions of users without crashing.

In an era of AI-integrated web apps and real-time streaming, Learn System Design to drive the design discussion, lead the whiteboard, and justify every trade-off.

Why System Design?

400,000+
Jobs Worldwide

$ 25.5 Billion
expected market growth

60%–120%
average annual growth

$120,200
average annual salary of an DevOps expert

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Tools We Learn

Key Features

10+ Industrial Case Studies:
Reverse–engineer systems like Netflix, WhatsApp, and Uber.

Architect–First Approach:
Learn HLD for scalability and LLD for maintainable code.

Interactive Whiteboarding:
Master the art of driving high–stakes design interviews.

Production–Ready Patterns:
Implement SOLID, Design Patterns, and Concurrency.

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The Complete System Design Course

Module 1:

System Design Foundations

Topics:

- CAP Theorem & Trade–offs.
- Load & Storage Estimation.
- Functional & Non–Functional Requirements.
- REST, Versioning & Pagination.
- Redis, CDNs & Caching Strategies.
- Fault Tolerance & SLAs.

Module 2:

Traffic & Scaling

Topics:

- L4/L7 & Nginx Routing.
- Async Worker Pools.
- CI/CD & Safe Rollbacks.
- Read/Write Load Optimization.
- Replication & Failover.
- Health Checks & Canary Deployments.

Module 3:

Data & Consistency

Topics:

- DB & Regional Partitioning.
- Consistent Hashing Logic.
- Quorum & Eventual Models.
- Gossip & Metadata Sync.
- Delivery Guarantees & Semantics.
- Horizontal vs. Vertical Scaling.

Module 4:

Async & Search

Topics:

- Kafka Topics & Consumer Groups.
- Ordering & Retention Policies.
- Ingestion & Tokenization.
- Indexing, Ranking & Scoring.
- Metrics & Dashboards.
- Producer–Consumer Model.

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The Complete System Design Course

Module 5:

Storage & DNS

Topics:

- Object Storage & Deduplication.
- Multi–part & Versioning.
- TTL & Global Load Balancing.
- Peer Discovery & DHT.
- Cross–region Recovery.
- TLD & Root Servers.

Module 6:

Consensus & Sync

Topics:

- Distributed Locks & Leases.
- Leader Election Logic.
- 2PC & Atomic Updates.
- WAL & Idempotency.
- System Sync Logic.
- Distributed Rollbacks (Saga).

Module 7:

LLD & Patterns

Topics:

- Class & Sequence Diagrams.
- SOLID Clean Code Principles.
- Factory & Singleton Patterns.
- Adapter & Facade Patterns.
- Strategy & Observer Patterns.
- Refactoring & Naming Standards.

Module 8:

Concurrency & Capstone

Topics:

- Mutex & Thread Pools.
- Polymorphic Business Logic.
- Repository Patterns.
- Rate Limiting & Validation.
- Separation of Concerns.
- End–to–end LLD Mock Interview.

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System Design Course Learnings

- Design systems that scale globally with zero downtime.
- Master the art of managing data across distributed nodes.
- Optimize for millisecond latency using advanced caching.
- Leverage Docker and Kubernetes for automated scaling.
- Learn to justify architectural choices using the CAP Theorem.

What roles you can play?

Senior Software Engineer: Specializes in merging development and Lead the design and delivery of critical product features.

System Architect: Define the high–level structural blueprint for entire platforms to ensure smooth functionality.

Principal Engineer: Solve the company's toughest technical and scalability hurdles and manage cloud infrastructure.

Backend Lead: Manage the core logic, security, and data integrity of complex apps and design the structural blueprint for complex systems.

Technical Product Manager: Bridge the gap between business needs and system feasibility for complex systems, QA, and IT operations teams.

Infrastructure Engineer: Build the resilient foundations that modern cloud apps run on & deploying software solutions quickly.

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CERTIFICATION

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Certificate

OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

Olivia Wilson

has completed **SOFTWARE ENGINEERING PROGRAM** from PlacementShiksha, For 6 Months and learned Data Structures & Algorithms (DSA). We acknowledge the dedication and effort that has gone into meeting all the requirements of this program.

Completed On: 15th August 2025

MOHAMMAD

Co-Founder | Placement Shiksha

- 4.9 Average Rating
- 6500+ students got job
- 45000+ Satisfied Learners
- 800+Qualified trainers

Our Alumni WORK at

ORACLE, amazon, Infosys, SAMSUNG, IBM, tcs, Google, acer, Red Hat, Microsoft, cisco, NETFLIX, accenture

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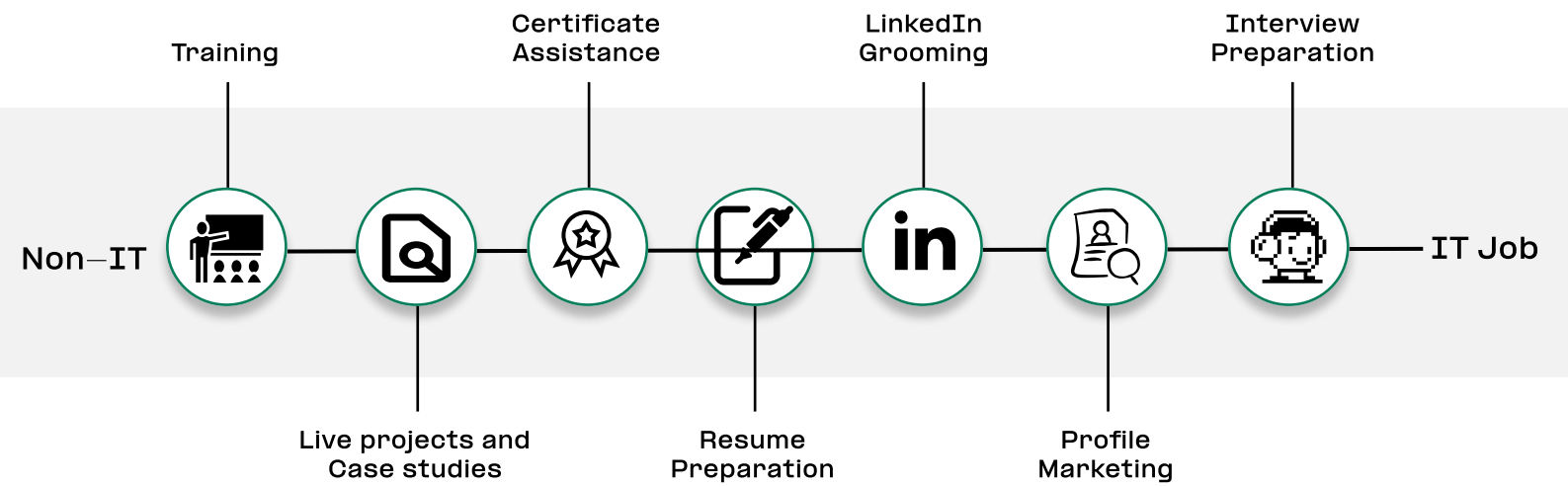
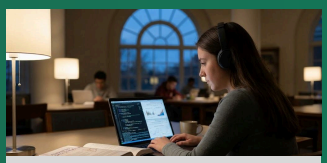
Our Students Lifecycle



Who can Apply For Our Courses?

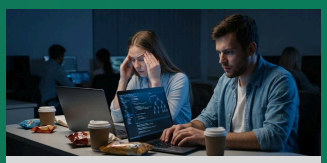
This course suggests an intensive "bootcamp" style approach, designed to take a student from basic coding to "job–ready" status by combining theoretical computer science with modern, industry–standard tools.

Professionals who want to upskill.



Freshers who want to get IT Jobs.

Managers who want to learn tech skills.



Aspirants who want to get into IT from Non IT.

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What Make Us Unique

800+ Qualified Trainers

300+ Hiring partners

90% average annual salary hike

7500+ Students got placed

Our Career Services

Industry-First Curriculum: Bridging the gap between academia and real-world engineering.

Architectural Focus: Learning to build scalable systems rather than just writing code.

Dual Core Mastery: Prioritizing both DSA and System Design as your career foundation.

Career-Ready Rigor: Ensure you ace top-tier technical interviews.

Specialized Electives: Nine distinct paths, from GenAI to DevOps, to tailor your career.

Holistic Tech Exposure: A 360-degree view of the lifecycle, from backend to leadership.

Intensive 6-Month Sprint: Condensing years of experience into one high-impact semester.

Outcome-Driven Learning: Education designed with the singular goal of placement.

Our other paid Services

1-on-1 Mentorship:
Personalized, bi-weekly strategy sessions with senior engineers from top tech firms.

Elite Referral Network:
Direct access and internal referrals to 200+ partner companies and startups.

Mock Interview Loops:
Simulated technical and behavioral rounds with real-time feedback from experts.

Portfolio Audit:
Professional review of your GitHub and projects to ensure they meet production standards.

Lifetime Alumni Access:
Ongoing entry to our private community, job boards, and updated course materials.

Resume & LinkedIn Polish:
Expert optimization of your professional profiles to beat automated ATS filters.

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HOW TO ENROLL WITH US?

01

You can check our website and book a demo

02

Leave your contacts for us and we will reach you.

03

Call or leave a message on Whataspp anytime

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Ishaan
★★★★★

"The placement training at Placent Shiksha was a game-changer for me. The instructors are highly skilled and helped me bridge the gap between academic knowledge and industry requirements. I'm now successfully placed in a top-tier firm!"

Arjun
★★★★★

"I am incredibly grateful to the team at Placent Shiksha. They don't just teach; they mentor you through every step of the interview process. Their mock interviews and resume-building sessions gave me the confidence to land my dream job."

Sanya
★★★★★

"The courses are well-structured and highly engaging, focusing on real-world scenarios. Placent Shiksha played a pivotal role in my professional development, and I highly recommend them to any lifelong learner looking to level up."

Deshmukh
★★★★★

"Choosing Placement Shiksha was the best decision for my career. The placement cell is proactive and truly cares about your success even after the course ends. I felt respected and supported throughout my entire journey here."

What our students Say?

About Placement Shiksha

Placement Shiksha is a premier career-tech platform dedicated to bridging the gap between academic learning and professional employment.

Why Choose Us?

- **Industry-Aligned Training:** Master the technical and soft skills actually demanded by today's recruiters.
- **Personalized Mentorship:** Learn directly from experts at top MNCs and high-growth startups.
- **End-to-End Support:** From ATS-friendly resume building to mock interviews, we guide you through every step of the hiring funnel.
- **Direct Placements:** Gain exclusive access to our extensive network of hiring partners.

Our Mission

Our mission is to democratize career success by transforming every candidate into a job-ready professional. We bridge the gap between academic learning and corporate expectations through accessible, high-quality training and expert mentorship.