

FULL CURRICULUM • 2026

System Design

Learn to design systems that don't fall over at scale.

Every module, every lesson — the complete syllabus, end to end.

13

MODULES

58

LESSONS

5

MONTHS

₹24,500

FULL PROGRAMME

What this course covers

1

Level 1 • Beginner

System design • Data Structures And Algorithms • Introduction

1 month • 4 modules • 16 lessons • ₹6,000

2

Level 2 • Intermediate

Databases • Load Balancers • Caching

2 months • 4 modules • 16 lessons • ₹8,000

3

Level 3 • Advanced

Message Queues • Stateless And Stateful • Encryption

2 months • 5 modules • 26 lessons • ₹10,500

The whole journey

This is the complete syllabus for System Design — 13 modules and 58 lessons, in the order you will learn them. The level markers show how far each stage carries you, but the curriculum runs as one continuous path from the first lesson to the last.

1

LEVEL 1

Beginner

System design · Data Structures And Algorithms · Introduction

1 month · 4 modules · 16 lessons · ₹6,000



1. System design

1 lessons

- Course Overview



2. Data Structures And Algorithms

4 lessons

- DataStructures-1
- Data-Structure-2
- Data-Structure-3
- Data-Structure-4



3. Introduction

4 lessons

- What is System Design
- System Design Begins !!
- Types of Systems
- Framework of System Design Interviews



4. Basics Of System Interaction

7 lessons

- APi Gateway
- HTTP vs HTTPS
- REST APIs
- Monolithic VS Microservice
- Horizontal and Vertical Scaling
- Reverse Proxy
- Rate Limiter

2

LEVEL 2

Intermediate

Databases · Load Balancers · Caching

2 months · 4 modules · 16 lessons · ₹8,000

- **5. Databases** 9 lessons
 - Databases
 - Database Partitioning and Sharding
 - Database Replication
 - Normal Forms
 - Indexing
 - Non-Relational Databases
 - Graph Database
 - Bloom Filters
 - Merkle Tree
- **6. Load Balancers** 1 lessons
 - Load Balancers
- **7. Caching** 2 lessons
 - Caching
 - CDN in System Design
- **8. Capacity Estimation** 4 lessons
 - Capacity Estimation
 - Back of Enveloper Estimation
 - CAP Theorem
 - Trade off in System Design

3

LEVEL 3

Advanced

Message Queues · Stateless And Stateful · Encryption

2 months · 5 modules · 26 lessons · ₹10,500

- **9. Message Queues** 1 lessons
 - Message Queues
- **10. Stateless And Stateful** 1 lessons
 - Stateless and Stateful Architecture
- **11. Encryption** 1 lessons
 - End to End Encryption

○ 12. OSI Model

5 lessons

- Network Models
- OSI Model
- TCP and UDP
- TCP IP Model
- What happens when you type url in browser

○ 13. Design Questions

18 lessons

- OSI Model
- Rate Limiter
- Consistent Hashing
- Design Key-Value Store
- Unique-Id Generator
- URL Shortening System Design
- Web Crawler
- Notification System
- News Feed System
- chat system
- Autocomplete search system
- Design Youtube-Part-1
- Design Youtube-Part-2
- Design Google Drive
- BookMyShow
- Netflix System Design
- Tik-Tok Design
- Uber System Design

Certificates & what comes next

You receive a certificate at the end of every level you finish. Join for a single level or the full programme — the choice is yours. Learners who stand out may be invited to work on live client projects as interns; these places are merit-based, limited, and depend on projects being available.