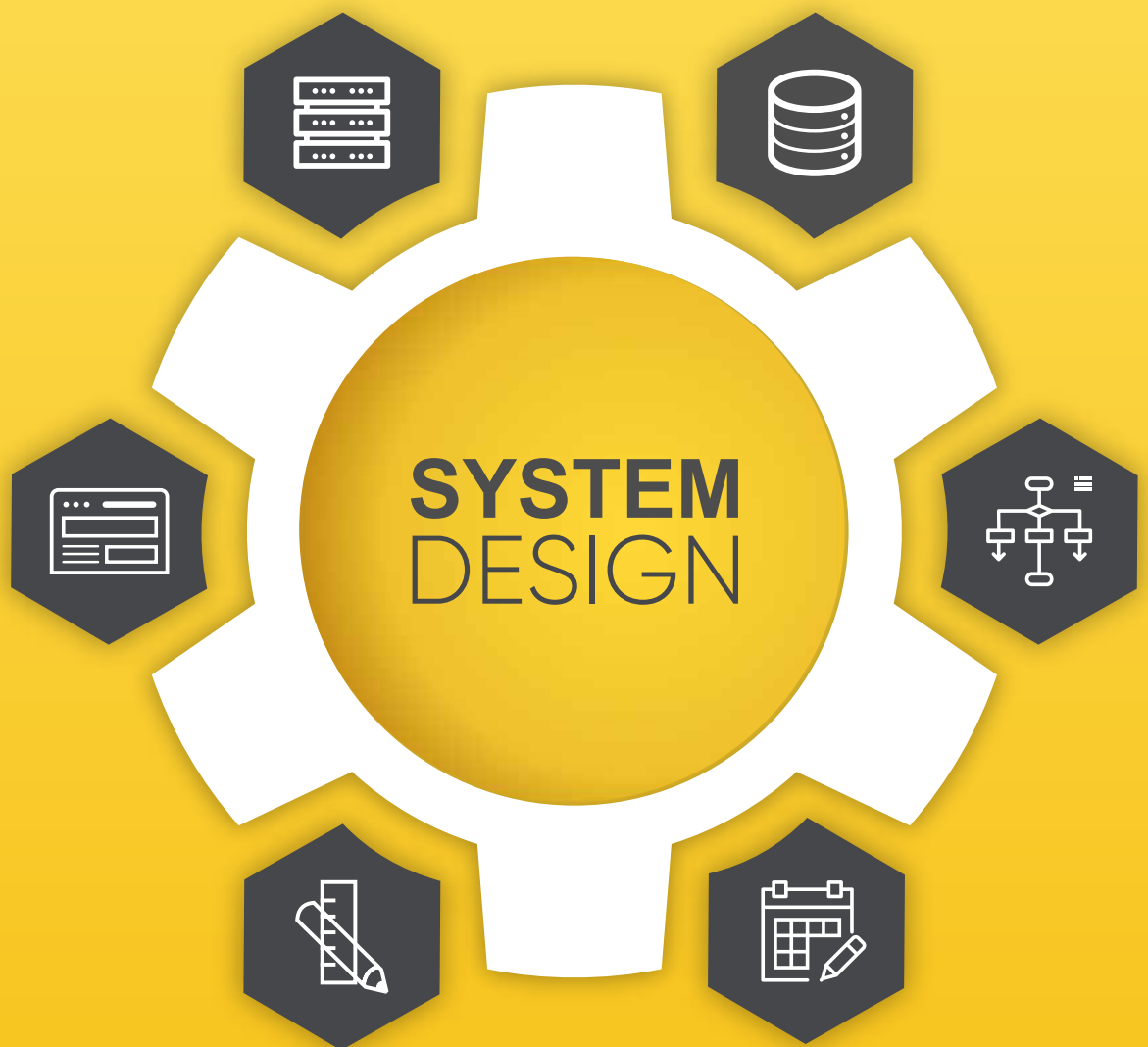


SYSTEM DESIGN



 **LIVE Session**



1K+
ENROLLED

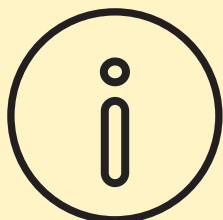


4.9

6 WEEKS | 36+ HOURS | LIVE MENTORSHIP | JOB PORTAL
~DESIGN YOUR CAREER~

CONTENT

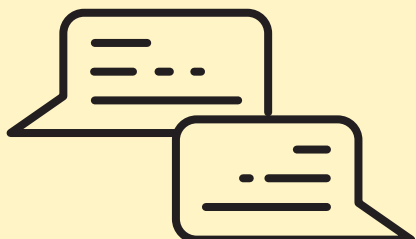
EXPERT ADVICE BY C.E.O.



COURSE BENEFITS



QUESTION & ANSWER



COURSE OVERVIEW



WHERE OUR ALUMNI WORK?



CONTACT US



EXPERT ADVICE

Mr. Sandeep Jain

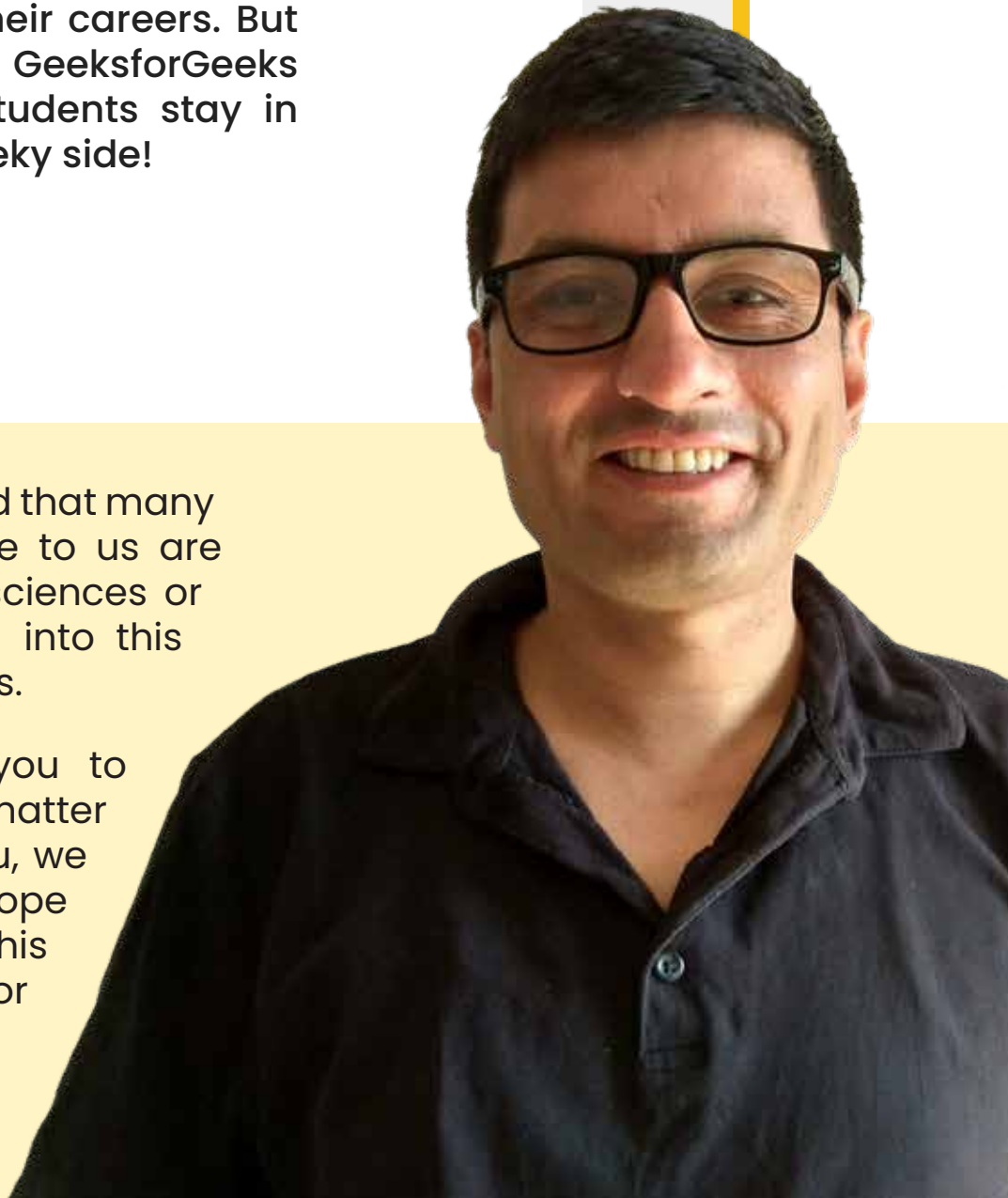
CEO and Founder of
GeeksforGeeks

He started this Journey with just one thought- every geek should have access to a never ending range of academic resources and with a lot of hardwork and determination, GeeksforGeeks was born.

Through this platform, he has successfully enriched the minds of students with knowledge which has led to a boost in their careers. But most importantly, GeeksforGeeks will always help students stay in touch with their Geeky side!

// I understand that many students who come to us are either fans of the sciences or have been pushed into this field by their parents.

And I just want you to know that no matter where life takes you, we at GeeksforGeeks hope to have made this journey easier for you. //



COURSE OVERVIEW

This is a live interview-centric course in which the content has been designed in a manner that will prepare you for System Design interviews for companies like Google, Amazon, Adobe, Uber, etc. Industry experts having first-hand experience will be mentoring and guiding you throughout the course. Not just this, but also a mock interview session will be taken by the mentor, with the same intensity and detailed feedback. SDL is a Live session that is scheduled on the weekends.



VIEW DETAILED SYLLABUS

What will you learn?

- Designing Scalable Systems
- Tips and tricks to crack System Design Interviews
- Practical implementation

SHUBHAM



I am Shubham, a mechanical undergrad from IIT Bhubaneswar. I would like to thank, GeeksforGeeks for providing an immensely detailed course for the ease of students. This course has helped a Non-CS (B.Tech) student like me, to secure 3 offers in the software industry. Being an alumnus from IIT without any offer in hand, was very depressing for me. I bought the System Design-Live course from GfG & apart from this, four other courses like DSA self-paced course, CPP STL, SDE Theory, & Low-Level Design course, around 10 months back & practiced rigorously. Today I can proudly say, that I have 3 offers in hand with a base pay of 7 LPA, 10 LPA, & 18 LPA. Thanks a lot to the whole community of GfG. Thank you Sandeep Jain sir for making GfG.

BRANE

**Placed
at
Brane
(NSLHUB)**

Associate
Solution
Leader

M T W T F S S

WEEK 1

Lecture 1

Introduction to SD Interviews, SD Process, Design problem focused on requirement analysis & Data Modelling

Lecture 2

Generic Components design diagram of large-scale system expectations from Interviewee, Trade-Offs in a Large-Scale System, Design problem focused on requirement analysis & Data Modelling

M T W T F S S

WEEK 2

Lecture 1

Load Balancers, SSL Termination & SSL Passthrough, Reverse Proxy, Design problem focused using Reverse Proxy & LB

Lecture 2

Web Sockets, Facebook Messenger Design using Web Sockets, Monoliths & Microservices

M T W T F S S

WEEK 3

Lecture 1

O Auth 2, JWT Tokens, Design problem focused on writing Microservices

Lecture 2

CDN, Caching, Design problem focused on using CDN

M T W T F S S

WEEK 4

Lecture 1

Design problem focused on using CDN, DNS, HTTPS Working, Zookeepers, Design problem focused on Zookeepers

Lecture 2

Distributing data in a large-scale system, Linear Hashing, Consistent Hashing, Design problem focused on Consistent Hashing

M T W T F S S

WEEK 5

Lecture 1

How to handle massive data, Indexing, Data Partitioning, Sharding, Replication & Mirroring, Design problem focused on Data Modelling

Lecture 2

Push VS Pull Mechanism, Tips on System Design, Apply end-to-end learning on designing a System, Event driven design of a problem

M T W T F S S

WEEK 6

Lecture 1

Attacks on a service, Encryption Mechanism

Lecture 2

API Design, Revisiting Databases, Applying end-to-end learning on Designing a System

COURSE BENEFITS



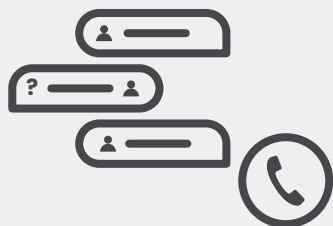
Live Interaction with the Mentor



Frequently asked Interview questions



Premium Lecture Video



Doubt Assistance



Contest & Quizzes



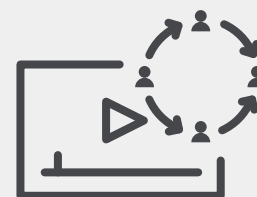
Access to Get Hired Portal



Complimentary Course Access



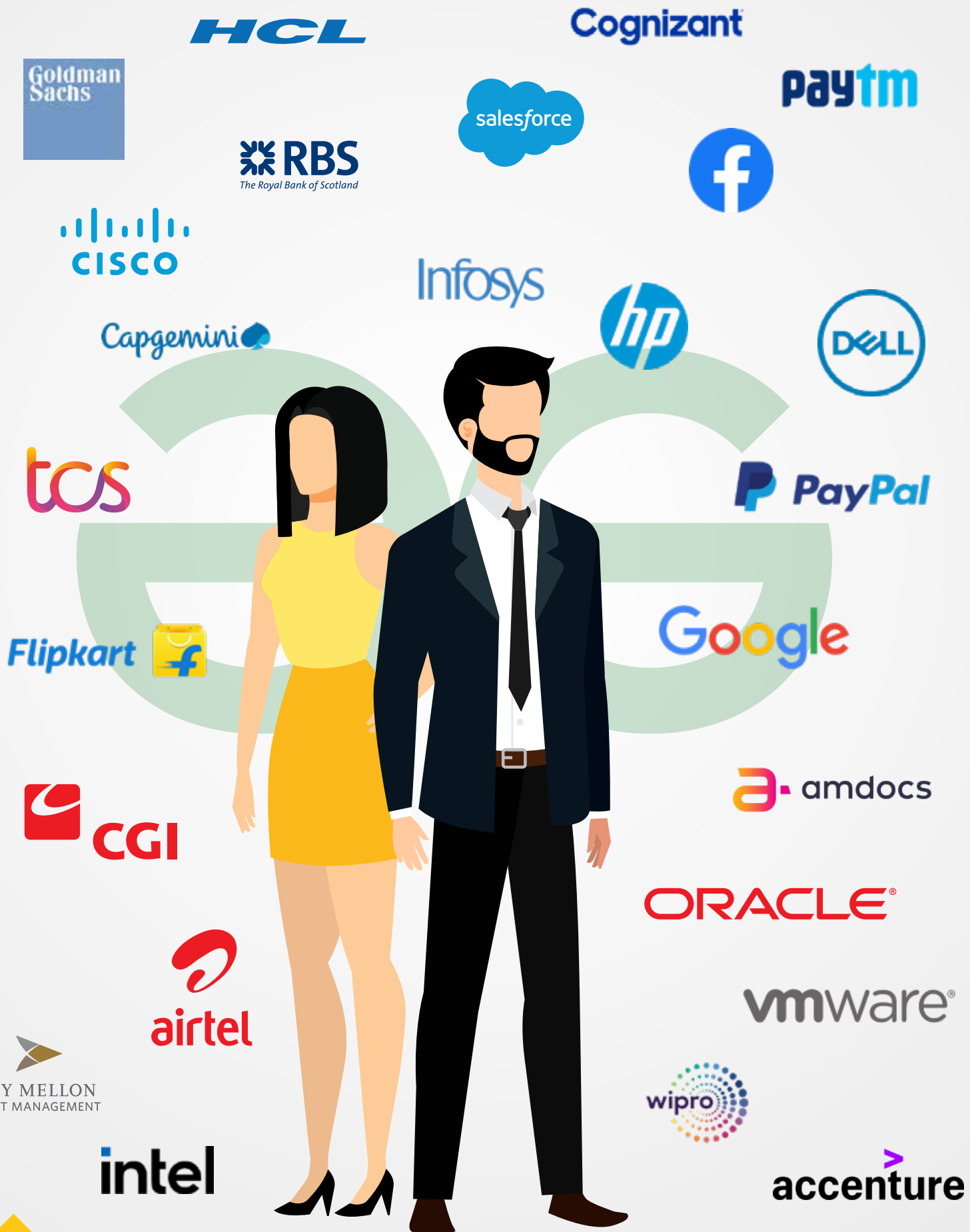
Course Completion Certificate



Limited Batch Strength



WHERE OUR ALUMNI WORK





SWAPNIL JAVANJAL

Mentor & GFG support are both very professional & helpful to the students. Mentor has a deep understanding of the system design concepts & knows the best way to teach difficult topics. He has cleared a ton of my doubts which helped me clear many interviews of the top-notch companies in the U.S. I would recommend this course to everyone who is starting with his/her interview preparations or has intermediate interview skills & are not sure where they are going wrong.

SOFTWARE ENGINEER

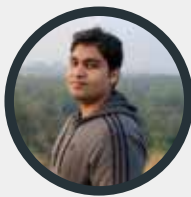


HITESH GARG

I had less experience in SD in my current company hence for further interview preparation I need to learn more about SD. This course helped me a lot in learning more about SD. I liked the way how the course structure is designed. There are more & more practical examples that helped a lot. Mentor was also my favorite from GfG till now. Got to learn more about micro-services high-level scalable system design.

SOFTWARE ENGINEER

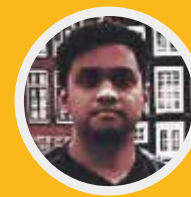
SOPHOS



SAHIL

The way mentor explained DSA topics helped me to learn complex algorithms because of this course, I was able to grasp a complete understanding of data structure & then actively solve problems. I bought a System Design course on your platform, which helped me get a broad vision of the system. Due to these two courses, I was able to crack all interview rounds of top companies including Amazon, Flipkart, & Walmart.

SENIOR SOFTWARE ENGINEER



NITHIN

It's been a wonderful journey and I am confident of cracking many interviews with the wisdom I have obtained from these courses. Thanks to GFG.

SOFTWARE ENGINEER

REVIEWS

PARUL SHARMA



It is an awesome course! The doubt solving sessions were very beneficial while solving a problem statement. It gave a better clarity on how to approach & find the solution.

ARAVINTH RAJA



The course is simply wonderful. Lots of discussions take place, which is great for understanding the concepts.

NIRMAL



I liked the teaching approach adopted by the mentor. He is super friendly, I enjoy his sessions. I have learned a lot from this course & got an idea about the expectations of the interviewers. In-depth explanations of theoretical content & recordings of classes are very useful for learning. The classes are intriguing, I love it !!

KESHAV NATH



I liked the teaching methodology of the mentor, I wished if we could have a few more sessions with him. His lectures helped me to deep dive into the concepts with the basics properly explained. This course helped me to get started with System design from the scratch.

AMIT KUMAR



It was a nice course, covers a good amount of Q's & has sufficient theory, for understanding the topics & preparing the notes. I had a great learning experience with GFG!!



QUESTION & ANSWER



What is System Design? What am I going to learn from this course?

System Design is the process of designing the architecture components and interfaces for a system so that it meets the end-user requirements. You will get to learn the approach to designing a scalable system and its practical implementation.



I have to prepare for my interviews and have to do DSA and System Design at the same time. Can I do this parallelly? Will I be able to cope up?

If you are a working professional looking out for a switch or a better opportunity we have got your back! We suggest you go for **DSA Live for Working Professionals** & System Design Live. Yes, you can enroll in both of the courses simultaneously. All you need is some basic knowledge of Data Structures & Algorithms.



I have my interviews lined up for top product-based companies, I have already completed my Data Structures & Algorithms. I want to focus on System Design too. Is this course a good fit for me?

System design is an important topic when it comes to the interview sessions for a working professional in a top product-based company. This is a live course in which top industry experts will be conducting live lectures. The course content is interview-centric and as per the requirement of the industry. Also, the content is updated according to industry standards.





I want to gain hands-on experience, will this course help me?

In this course, you get to implement the design of some top products like Twitter, Facebook Messenger, Uber and you get to apply end to end learning on designing a system. All these would be covered in such a way that you will be able to gain hands-on experience and also be ready for the questions asked in the interview sessions in the top product-based companies.



What if I miss out on any Live-session? How will I cover up?

To help out the students in every possible way, we provide the recordings of the Live lectures that are conducted. If a student misses out on any lecture, he/she can find the recordings and can go through them. In case of any further queries, they can be resolved with the help of the mentor. The recordings are uploaded in the next 48 hours of the class and are available to students for 6 months post the completion of the course.



Is doing Low-Level design course from GeeksforGeeks sufficient, or do I need to go for this one?

The low-level design course from GfG is a basic course whereas the System Design-Live course is full-fledged interview-centric course. If you want to gain in-depth knowledge, then this is a perfect course for you!





How does Doubt Support work?

There are two ways in which a student can get their doubts resolved.



1. This is a Live course, you can directly interact with the mentor during the class and get your doubts resolved.



2. There is a discussion forum integrated on the dashboard under each video & with problems. You can simply comment & ask your doubts there. Almost all doubts are instantly resolved by course mentors/TA's. Also, there is a separate discussion forum available where you can simply comment for any other doubt or course-related query.



What is the checklist that I need for my Interview Preparation?

- ✓ Proficient in Data Structures & Algorithms
- ✓ Good knowledge of System Design
- ✓ Company wise Questions
- ✓ Good problem solving & analytical skills
- ✓ Interview Experience Articles



MRIDUL PANT



I enrolled in the System Design-Live course from GfG & it was one of the best decisions of my life. This course has helped me to crack various product-based startups. I would recommend this course to anyone who has 3+ years of experience. I have been placed at Rupeek Fintech Pvt. Ltd as a Data Engineer.



rupeek
Placed
at
**Rupeek
Fintech**

Data Engineer

STILL UNSURE ABOUT COURSE?

SYSTEM DESIGN



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