Basics and Introduction

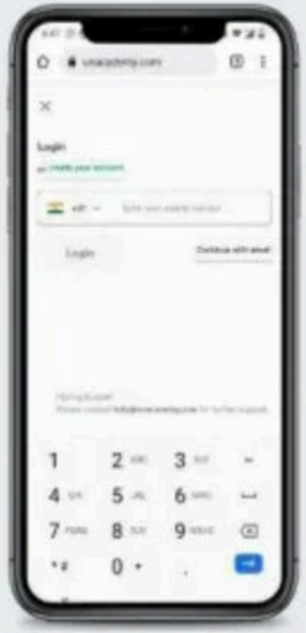
Complete Course on DBMS for GATE

Sanchit Jain • Lesson 1 • Mar 16, 2022

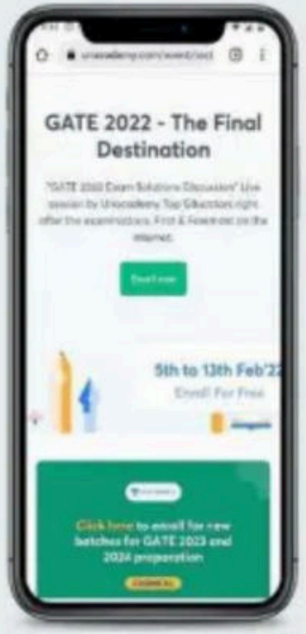
Rank Predictor for GATE 2022

How Rank predictor will work?

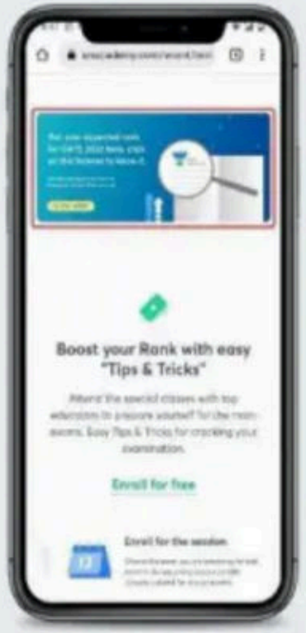
1. Login/Signup to Unacademy



2. Go to GATE landing page and scroll down to locate the rank predictor banner https://bit.ly/3gpB2aS



3. Click on Rank predictor Banner



4.

- Select your stream
- Select the session you appeared for
- Paste the URL of your Response Sheet

Months Wise Calendar for GATE-2023 (Unacademy Plus) (Sanchit Jain)

Month	Morning Class (7:30am – 9:00am)	Evening Class (7:00pm – 8:00pm)
Feb-2022	**CN(16-Feb to 18-March) (54 Hours)**	**DM (2-Feb to 2-Mar) (50 Hours)**
Mar-2022	TOC (21-Mar to 26-April) (58 Hours)	DBMS (16-Mar to 1-May) (50 Hours)
Apr-2022	Compiler (27-April to 24-May) (34 Hours)	DE (2-May to 1-June) (40 Hours)
May-2022	DS & Programming) (26-May to 05-July) (56 Hours)	COA (23-June to 20-July) (38 Hours)
Jun-2022	Algo (7-July to 5-Aug) (38 Hours)	OS (21-July to 24-Aug) (58 Hours)
Jul-2022		
Aug-2022	DM (11-Aug to 20-Sept) (50 Hours)	CN (25-Aug to 5-Oct) (54 Hours)
Sep-2022	DBMS (22-Sept to 29-Oct) (50 Hours)	TOC (6-Oct to 20-Oct) (58 Hours)
Oct-2022	DE (3-Nov to 23-Nov) (40 Hours)	Compiler (24-Oct to 20 Nov) (34 Hours)
Nov-2022	COA (24-Nov to 13-Dec) (38 Hours)	**DS & C** (22-Nov to 20-Dec) **(56 Hours)**
Dec-2022	OS (15-Dec to 31-Jan) (58 Hours)	Algo (21-Dec to 3-Feb) (38 Hours)
Jan-2023		
Feb-2023		

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Feb-2021	DS & Programming (15-Feb to 23-Mar) (56 Hours)	DM (22-Feb to 27-Mar) (50 Hours)
Mar-2021	Algo (24-Mar to 26-April) (38 Hours)	DBMS (29-Mar to 30-April) (50 Hours)
Apr-2021	CN(29-April to 15-June) (54 Hours)	DE (7-May to 1-June) (40 Hours)
May-2021	TOC (26-May to 05-July) (58 Hours)	COA (23-June to 20-July) (38 Hours)
Jun-2021	Compiler (7-July to 5-Aug) (34 Hours)	OS (21-July to 24-Aug) (58 Hours)
Jul-2021		
Aug-2021	DM (11-Aug to 20-Sept) (50 Hours)	DS & Programming (25-Aug to 5-Oct) (56 Hours)
Sep-2021	DBMS (22-Sept to 29-Oct) (50 Hours)	Algo (6-Oct to 1-Nov) (38 Hours)
Oct-2021	DE (3-Nov to 23-Nov) (40 Hours)	CN(10-Nov to 5 Jan) (54 Hours)
Nov-2021	COA (24-Nov to 13-Dec) (38 Hours)	**Compiler (12-Jan to 3-Feb) (58 Hours)**
Dec-2021	OS (15-Dec to 11-Jan) (58 Hours)	
Jan-2022	**TOC (12-Jan to 3-Feb) (58 Hours)**	
Feb-2022		

COMPLETED

Computer Networks Schedule For GATE-2023

Morning					
Date	Day	Subject-1	Topic	Time	Duration
16-02-2022	Wednesday	CN	Basics of Computer Networks Part-1	7:30 am to 9:00 am	1.5
17-02-2022	Thursday	CN	Basics of Computer Networks Part-2	7:30 am to 9:00 am	1.5
18-02-2022	Friday	CN	Basics of Computer Networks Part-3	7:30 am to 9:00 am	1.5
19-02-2022	Saturday	CN	Doubt Clearing Session	7:30 am to 9:00 am	1.5
21-02-2022	Monday	CN	Access Control Part-1	7:30 am to 9:00 am	1.5
22-02-2022	Tuesday	CN	Access Control Part-2	7:30 am to 9:00 am	1.5
23-02-2022	Wednesday	CN	Access Control Part-3	7:30 am to 9:00 am	1.5
24-02-2022	Thursday	CN	Doubt Clearing Session	7:30 am to 9:00 am	1.5
25-02-2022	Friday	CN	Flow Control Part-1	7:30 am to 9:00 am	1.5
26-02-2022	Saturday	CN	Flow Control Part-2	7:30 am to 9:00 am	1.5
28-02-2022	Monday	CN	Flow Control Part-3	7:30 am to 9:00 am	1.5
01-03-2022	Tuesday	CN	Doubt Clearing Session	7:30 am to 9:00 am	1.5
02-03-2022	Wednesday	CN	Error Control Part-1	7:30 am to 9:00 am	1.5
03-03-2022	Thursday	CN	Error Control Part-2	7:30 am to 9:00 am	1.5
04-03-2022	Friday	CN	Framing and Ethernet	7:30 am to 9:00 am	1.5
05-03-2022	Saturday	CN	Doubt Clearing Session	7:30 am to 9:00 am	1.5
07-03-2022	Monday	CN	Network Layer protocol Part-1	7:30 am to 9:00 am	1.5
08-03-2022	Tuesday	CN	Network Layer protocol Part-2	7:30 am to 9:00 am	1.5
09-03-2022	Wednesday	CN	Network Layer protocol Part-3	7:30 am to 9:00 am	1.5
10-03-2022	Thursday	CN	Doubt Clearing Session	7:30 am to 9:00 am	1.5
11-03-2022	Friday	CN	IP addressing and routing and Routing Part-1	7:30 am to 9:00 am	1.5
12-03-2022	Saturday	CN	IP addressing and routing and Routing Part-2	7:30 am to 9:00 am	1.5
14-03-2022	Monday	CN	IP addressing and routing and Routing Part-3	7:30 am to 9:00 am	1.5
15-03-2022	Tuesday	CN	Doubt Clearing Session	7:30 am to 9:00 am	1.5
16-03-2022	Wednesday	CN	Transport Layer Part-1	7:30 am to 9:00 am	1.5
17-03-2022	Thursday	CN	Transport Layer Part-2	7:30 am to 9:00 am	1.5
18-03-2022	Friday	CN	Transport Layer Part-3	7:30 am to 9:00 am	1.5

Evening Batch

Date	Day	Subject-2	Topic	Time	Duration
16-03-2022	Wednesday	DBMS	Basics and Introduction	7:00 pm to 8:00 pm	1
17-03-2022	Thursday	DBMS	Transaction & Concurrency Control Part-1	7:00 pm to 8:00 pm	1
18-03-2022	Friday	DBMS	Transaction & Concurrency Control Part-2	7:00 pm to 8:00 pm	1
21-03-2022	Monday	DBMS	Doubt Clearing Session	7:00 pm to 8:00 pm	1
22-03-2022	Tuesday	DBMS	Transaction & Concurrency Control Part-3	7:00 pm to 8:00 pm	1
23-03-2022	Wednesday	DBMS	Transaction & Concurrency Control Part-4	7:00 pm to 8:00 pm	1
24-03-2022	Thursday	DBMS	Transaction & Concurrency Control Part-5	7:00 pm to 8:00 pm	1
25-03-2022	Friday	DBMS	Doubt Clearing Session	7:00 pm to 8:00 pm	1
28-03-2022	Monday	DBMS	E R Diagram Part - 1	7:00 pm to 8:00 pm	1
29-03-2022	Tuesday	DBMS	E R Diagram Part - 2	7:00 pm to 8:00 pm	1
30-03-2022	Wednesday	DBMS	E R Diagram Part - 3	7:00 pm to 8:00 pm	1
31-03-2022	Thursday	DBMS	Doubt Clearing Session	7:00 pm to 8:00 pm	1
01-04-2022	Friday	DBMS	Functional Dependency Part -1	7:00 pm to 8:00 pm	1
04-04-2022	Monday	DBMS	Functional Dependency Part -2	7:00 pm to 8:00 pm	1
05-04-2022	Tuesday	DBMS	Functional Dependency Part -3	7:00 pm to 8:00 pm	1
06-04-2022	Wednesday	DBMS	Doubt Clearing Session	7:00 pm to 8:00 pm	1
07-04-2022	Thursday	DBMS	Normalization Part -1	7:00 pm to 8:00 pm	1
08-04-2022	Friday	DBMS	Normalization Part -2	7:00 pm to 8:00 pm	1
11-04-2022	Monday	DBMS	Normalization Part -3	7:00 pm to 8:00 pm	1
12-04-2022	Tuesday	DBMS	Doubt Clearing Session	7:00 pm to 8:00 pm	1
13-04-2022	Wednesday	DBMS	Indexing and Physical Structure Part-1	7:00 pm to 8:00 pm	1
14-04-2022	Thursday	DBMS	Indexing and Physical Structure Part-2	7:00 pm to 8:00 pm	1
15-04-2022	Friday	DBMS	Indexing and Physical Structure Part-3	7:00 pm to 8:00 pm	1
18-04-2022	Monday	DBMS	Doubt Clearing Session	7:00 pm to 8:00 pm	1
19-04-2022	Tuesday	DBMS	Relational Algebra Part - 1	7:00 pm to 8:00 pm	1
20-04-2022	Wednesday	DBMS	Relational Algebra Part - 2	7:00 pm to 8:00 pm	1
21-04-2022	Thursday	DBMS	Relational Algebra Part - 3	7:00 pm to 8:00 pm	1
22-04-2022	Friday	DBMS	Doubt Clearing Session	7:00 pm to 8:00 pm	1
25-04-2022	Monday	DBMS	SQL Part -1	7:00 pm to 8:00 pm	1
26-04-2022	Tuesday	DBMS	SQL Part -2	7:00 pm to 8:00 pm	1
27-04-2022	Wednesday	DBMS	SQL Part -3	7:00 pm to 8:00 pm	1
28-04-2022	Thursday	DBMS	Doubt Clearing Session	7:00 pm to 8:00 pm	1
29-04-2022	Friday	DBMS	Relational Calculus Part-1	7:00 pm to 8:00 pm	1
02-05-2022	Monday	DBMS	Relational Calculus Part-2	7:00 pm to 8:00 pm	1

DBMS Schedule For GATE-2023

(8 - 9)

GATE & ESE | Plus | All courses | All languages | All topics

HINGLISH CS & IT

Foundation Course on Compiler for GATE 2022

Lesson 15 • Feb 1, 2022 6:30 PM

Sanchit Jain

HINGLISH CS & IT

Foundation Course on Theory of Computation for GATE 2022

Lesson 21 • Feb 3, 2022 8:00 AM

Sanchit Jain

HINDI CS & IT

Foundation Course on Discrete Mathematics for GATE

Starts on Feb 2, 2022 • 25 lessons

Sanchit Jain

HINGLISH CS & IT

Complete Course on Operating System for GATE

Ended on Jan 11, 2022 • 28 lessons

Sanchit Jain

HINGLISH ELECTRICAL ENGINEERING

Complete Course on Computer Architecture for GATE

Ended on Dec 13, 2021 • 19 lessons

Sanchit Jain

HINGLISH CS & IT

Complete Course on Computer Networks for GATE

Ended on Jan 7, 2022 • 27 lessons

Sanchit Jain

HINDI CS & IT

Complete Course on Digital Electronics for GATE

Ended on Nov 23, 2021 • 18 lessons

Sanchit Jain

HINGLISH PRACTICE & STRATEGY

FAQ Handbook for GATE

Ended on Nov 26, 2021 • 7 lessons

Ravindrababu Ravula

HINDI CS & IT

Complete Course on Algorithms for GATE

Ended on Nov 9, 2021 • 19 lessons

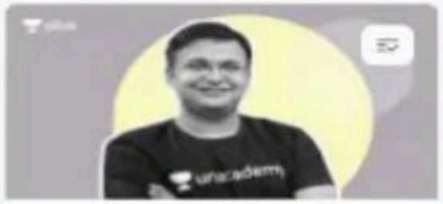
Sanchit Jain

HINGLISH CS & IT

Complete Course on DBMS for GATE

Ended on Oct 28, 2021 • 25 lessons

Sanchit Jain



HINDI CS & IT

Complete Course on Programming & Data Structures for GATE

Ended on Oct 12, 2021 • 28 lessons

Sanchit Jain

HINDI CS & IT

Complete Course on Discrete Mathematics for GATE

Ended on Oct 10, 2021 • 27 lessons

Sanchit Jain

Educator highlights

- Works at **Knowledge Gate**
- Studied at **Delhi Technological University**
- Have qualified gate Have experience of more than 8 years Have a YouTube channel with 5 lakh follower
- Lives in **Ghaziabad, Uttar Pradesh, India**
- Unacademy Educator since **19th July, 2019**
- **844,388 live minutes** taught in last 30 days
- Knows **Punjabi, Hinglish, Hindi and English**

Sanchit Jain

Follow

Legend in GATE & ESE

I am passionate for teaching computer science, having experience of more than 10 years. I teach all computer science subjects for GATE.

55M Watch mins | **2M** Watch mins (last 30 days) | **26K** Followers | **2K** Dedications

Only You?

Subbarao Lingamgunta

Follow

Master

ReddySir | M-Tech IIT BOMBAY | GATE TOP RANKER | 13Y Experience | Expert in Algorithms, DS, C Programming, CD, TOC & Competitive Programming

26M Watch mins **3M** Watch mins (last 30 days) **7K** Followers **2K** Dedications

Sweta Kumari

Follow

Star

Use HELLOSONU01 referral code to get maximum Discount on Unacademy Subscription and Also get 350 Single Revision Pages Book written by me.

11M Watch mins **253K** Watch mins (last 30 days) **77K** Followers **1K** Dedications

Vishvadeep Gothi

Follow

Expert

- GATE AIR-19, 119, 440, 682 - ME from IISc, - MTech BITS Pilani (Data Science) - 14 years teaching experience

10M Watch mins | **1M** Watch mins (last 30 days) | **10K** Followers | **1K** Dedications

Venkata Rao M

Follow

Expert

I am having 13+ years of experience teaching GATE Aspirants...Ex-Made Easy faculty.

8M Watch mins | **692K** Watch mins (last 30 days) | **4K** Followers | **455** Dedications

What if i Miss Live Class?

Completed courses

Completed Courses

What About Non-Tech Sub?

Engineering Mathematics

Ongoing | All courses | All languages

ENGLISH ENGINEERING MATHEMATICS

Comprehensive Course on Engineering Mathematics

Lesson 7 • Today, 12:00 PM

Karumudi Umamaheswara Rao

ENGLISH ENGINEERING MATHEMATICS

Course on Calculus for GATE CSE 2022/2023

Lesson 3 • Today, 6:00 PM

Karumudi Umamaheswara Rao

HINDI ENGINEERING MATHEMATICS

Detailed Course on Engineering Mathematics - Part III

Lesson 16 • Today, 2:00 PM

PALLAV GOUR

HINDI ENGINEERING MATHEMATICS

Detailed Course on Engineering Mathematics - Part I

Lesson 11 • Aug 31, 2021 9:00 AM

PALLAV GOUR

HINGLISH ENGINEERING MATHEMATICS

Comprehensive Course on General Aptitude - Part II

Lesson 7 • Today, 5:00 PM

Sanga N L N Sarma

General Aptitude

Ongoing | All courses | All languages

HINGLISH GENERAL APTITUDE

Course on General Aptitude for GATE 2022-23

Lesson 9 • Started at 9:00 AM

Saurabh Thakur

HINGLISH GENERAL APTITUDE

Practice Course on General Aptitude for GATE 2022

Lesson 9 • Nov 10, 2021 9:30 AM

Aman Raj

HINGLISH GENERAL APTITUDE

Comprehensive Course on General Aptitude - Part II

Lesson 7 • Today, 5:00 PM

Sanga N L N Sarma

ENGLISH GENERAL APTITUDE

Complete Course on General English for GATE 2022 & 2023

Lesson 29 • Today, 12:30 PM

Shreyas A

ENGLISH GENERAL APTITUDE

Comprehensive Course on Numerical Aptitude

Lesson 9 • Dec 1, 2021 5:00 PM

Venkatadri Vaka

HINGLISH GENERAL APTITUDE

Course on Reasoning & Aptitude

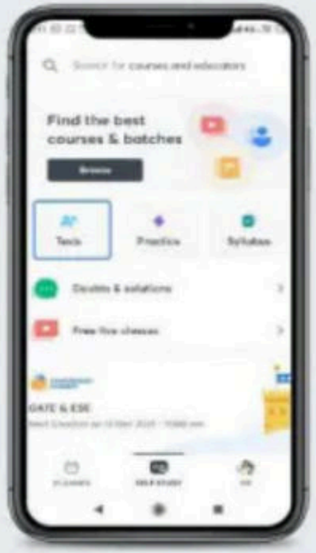
Lesson 57 • Today, 12:00 PM

Syed Asif Haider

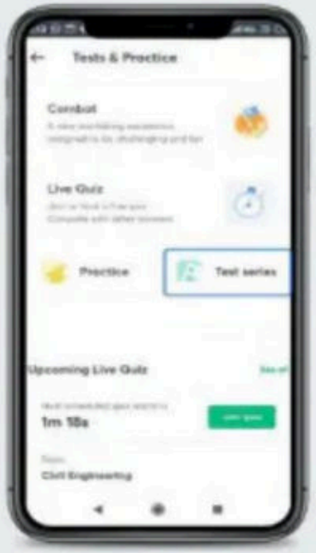
Test Series on Unacademy

GATE & ESE

1. Go to the "Tests" section under the Self Study section on your home screen.



2. Click on the "Test Series" button



3. Enroll and take the test of your choice

Test Series available on the platform

- Topic Wise Tests
- Subject wise tests
- Grand Tests
- Monthly batch tests
- Mock Tests (Upcoming)

Pick a specific topic

Practice Question

Digital Logic
7 concepts • 287 questions

Computer Network
15 concepts • 262 questions

Database Management System
15 concepts • 245 questions

Theory of Computation
14 concepts • 325 questions

COA
15 concepts • 394 questions

Compiler Design
8 concepts • 248 questions

Programming & Data Structure
7 concepts • 362 questions

Algorithms
7 concepts • 290 questions

Operating System
14 concepts • 311 questions

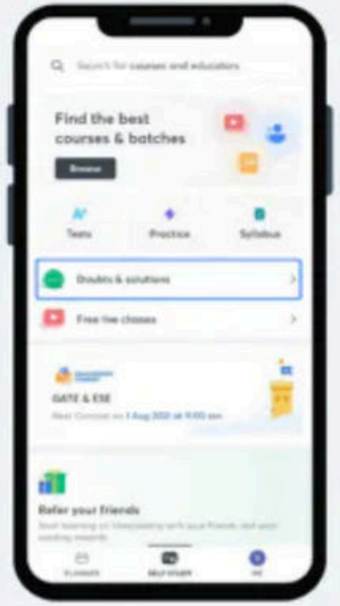
Discrete Mathematics
8 concepts • 195 questions

ASK-A-DOUBT BY UNACADEMY

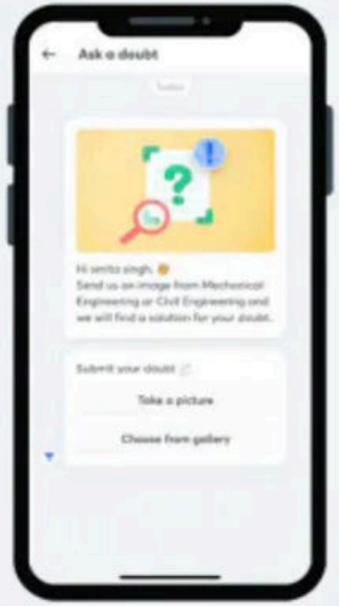
GATE

unacademy

1. Go to the "Doubts & Solutions" feature on your home screen.

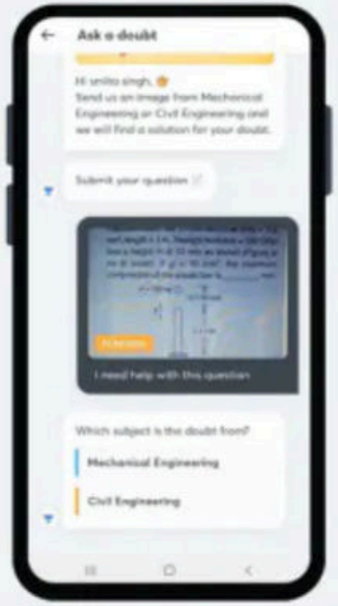


2. Click on "Ask-A-Doubt' & upload your doubt image.



3. Crop the image and highlight the question

4. Choose the subject that the question falls under



Check out the brand new updates on the Unacademy Ask A Doubt!

A faster and better way to solve doubts!

GATE & ESE

Whats new?

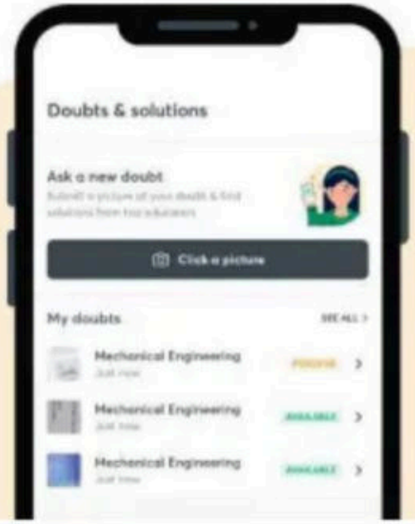
Upload upto three doubts at a go.

You can post 2 additional doubts while waiting for your solution

Get solutions in your preferred language

Select the language you want your question to be answered in

Simply **Click, Crop and Submit** your question!



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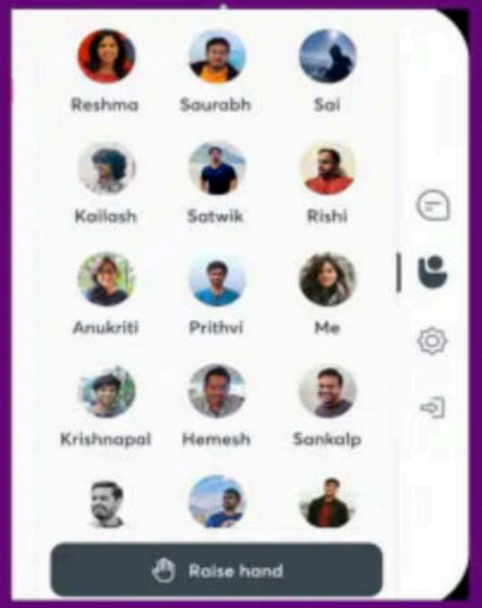
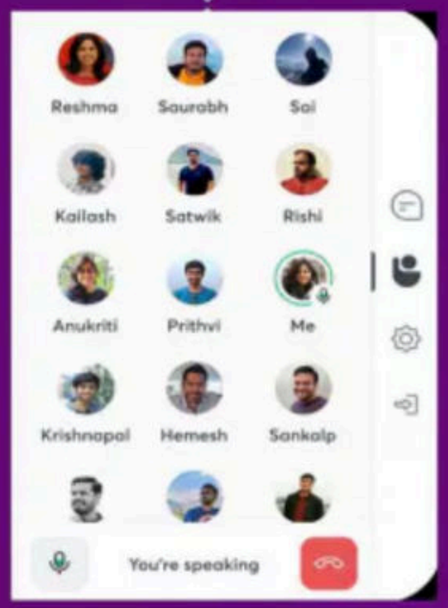
RAISE-A-HAND

Talk with your Favourite Educators in live class and clear your doubts!



- Click on the Raise a Hand icon from the vertical tab and click on Raise hand



- Talk to the Educator in a Live Class

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ASCEND

Batch for GATE 2024

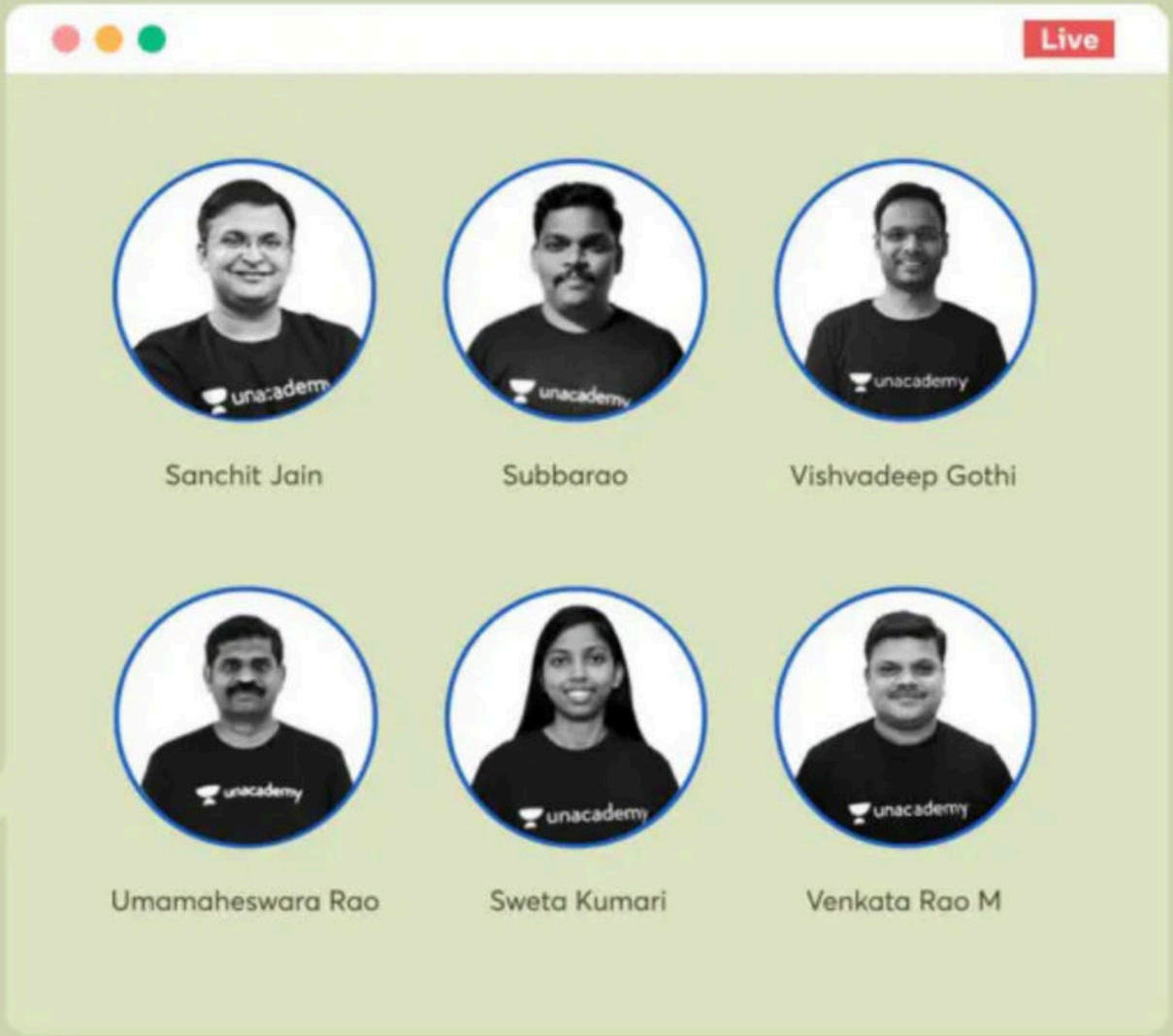
March 9, 2022

Billingual | CS & IT | Batch-G

We Start with:
C Programming by **Sweta Kumari | 7 PM**

Use Code: _____

Call for more details:
+91 8585858585



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EVOLVE

Batch for GATE 2023

March 9, 2022

Billingual CS & IT Batch-G

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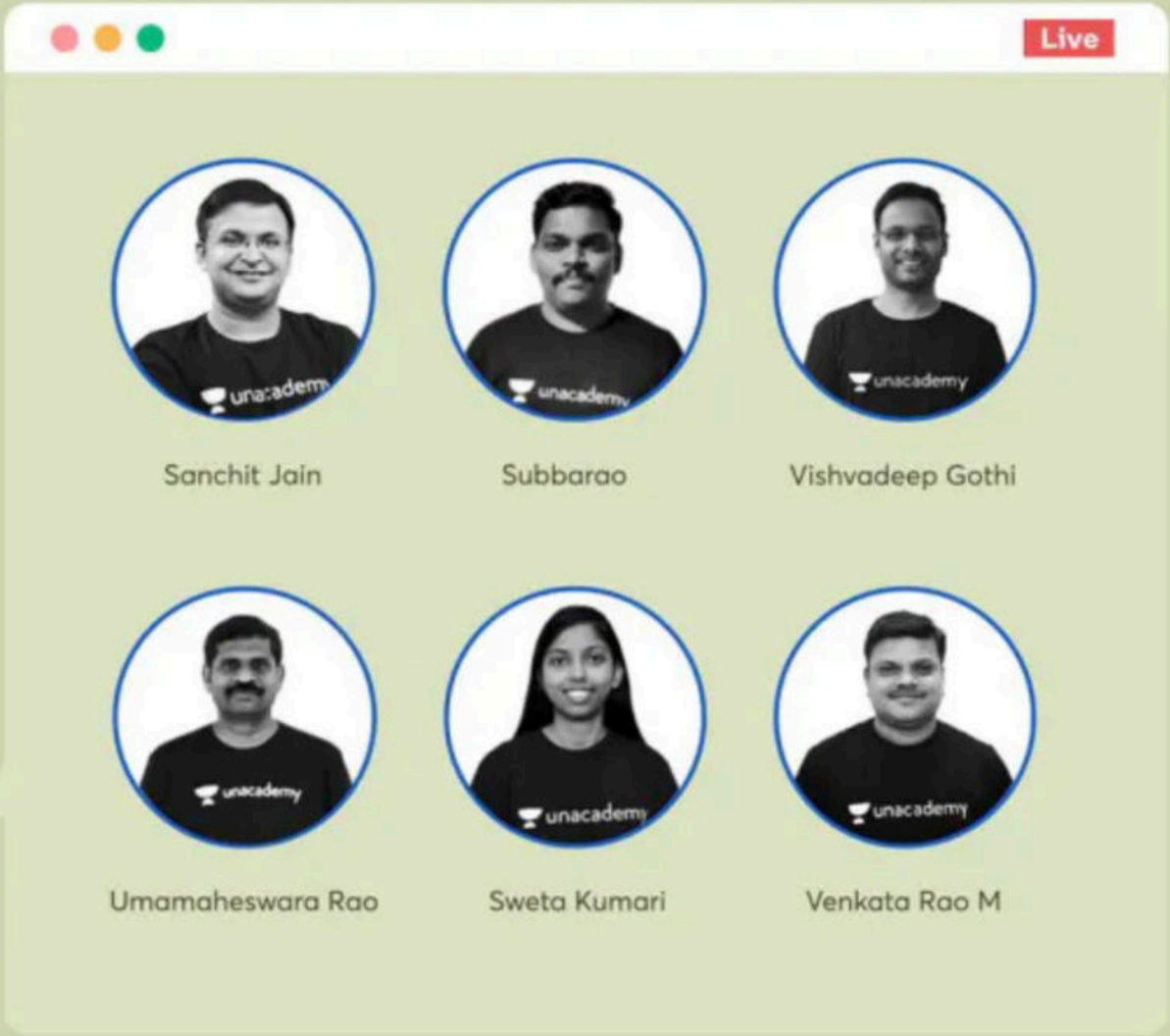

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SPARK

Batch for GATE 2023

March 9, 2022

English | CS & IT | Batch-D

We Start with:
Theory of Computation
by **Venkata Rao M | 8:15 PM**

Use Code: _____

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Live

Subbarao

Venkata Rao M

Vishvadeep Gothi

Umamaheswara Rao

unacademy

VERVE

Batch for GATE 2024

March 9, 2022

English | CS & IT | Batch-D

We Start with:
Theory of Computation
by **Venkata Rao M | 8:15 PM**

Use Code: _____

Call for more details:
+91 8585858585

Live

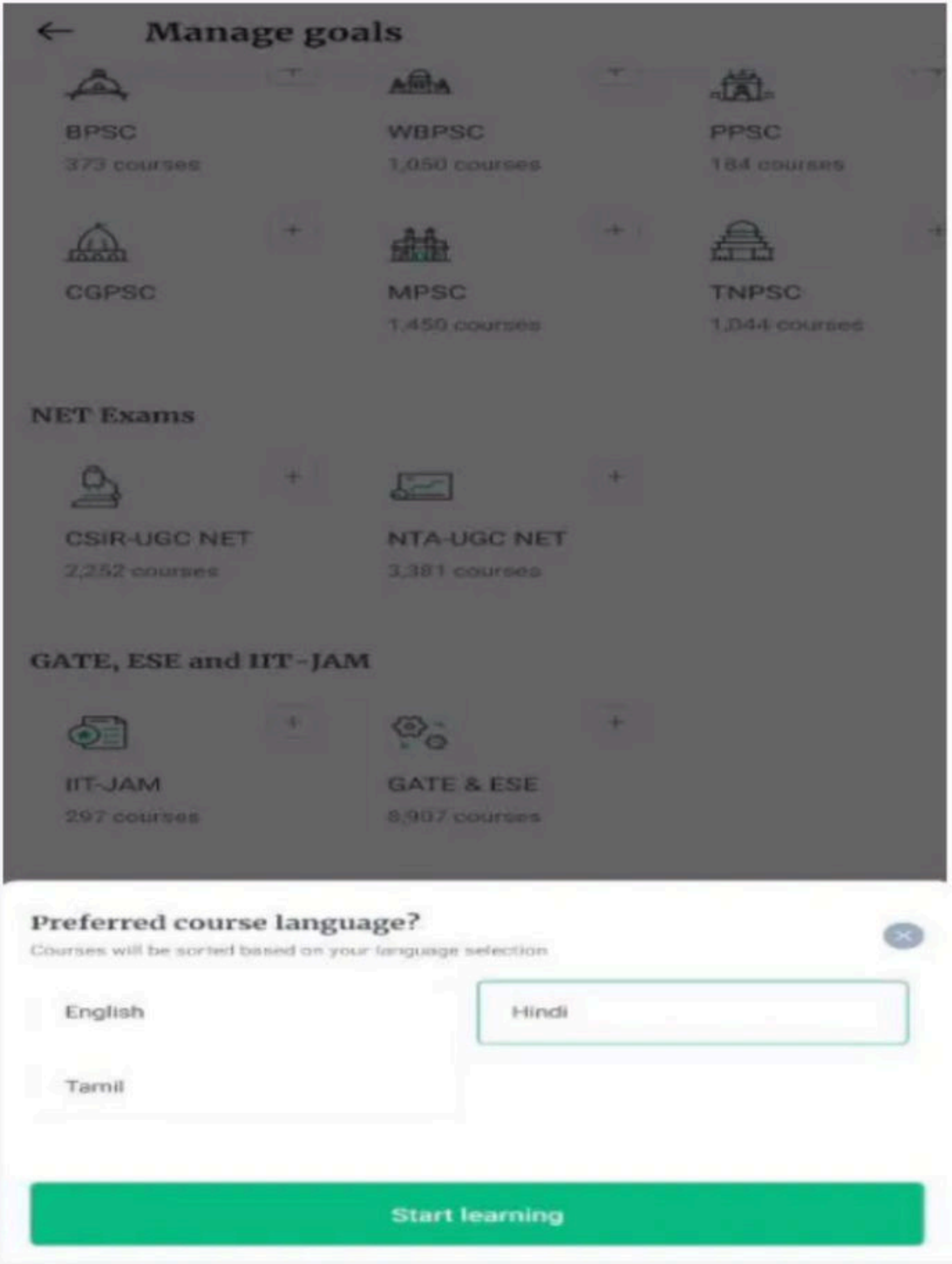
Subbarao

Venkata Rao M

Vishvadeep Gothi

Umamaheswara Rao

How to Join?


Manage goals
BPSC
373 courses
WBPSC
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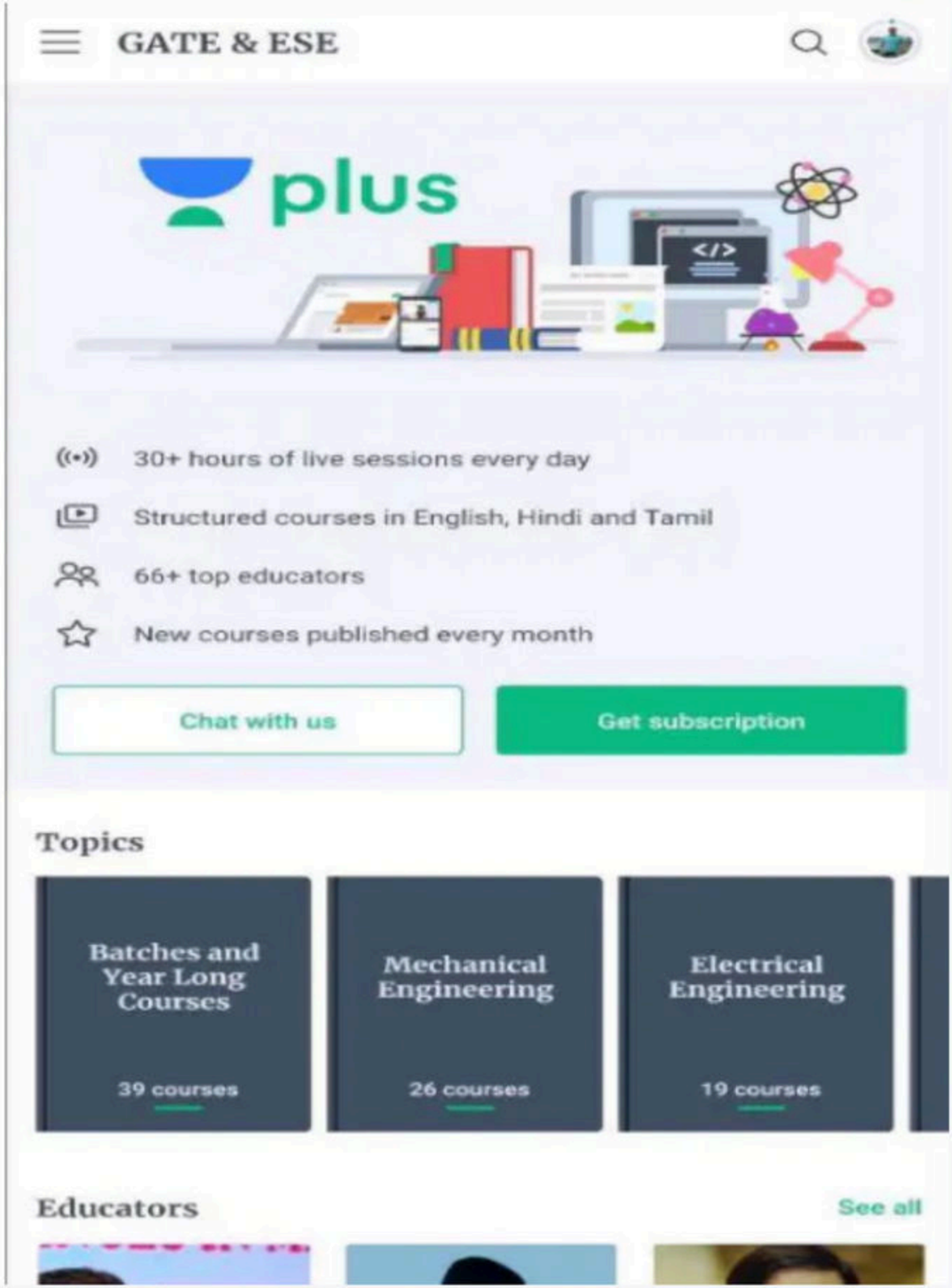
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Maximum

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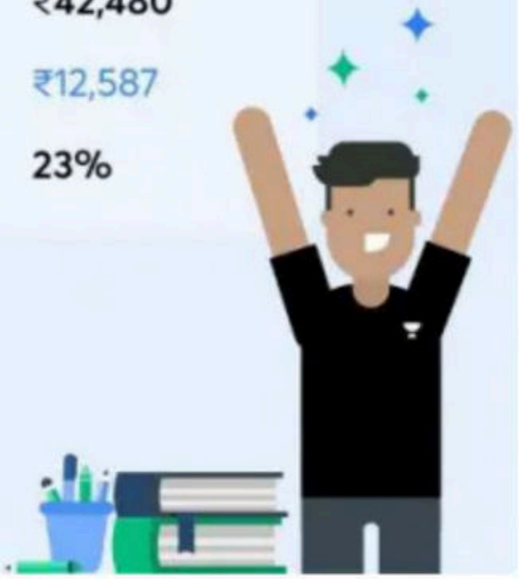

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GATE 2021 RANKERS

COMPUTER SCIENCE & IT

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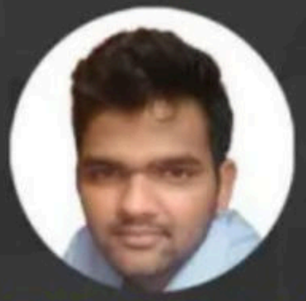

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AIR 90

KRITIKA GUPTA
AIR 90

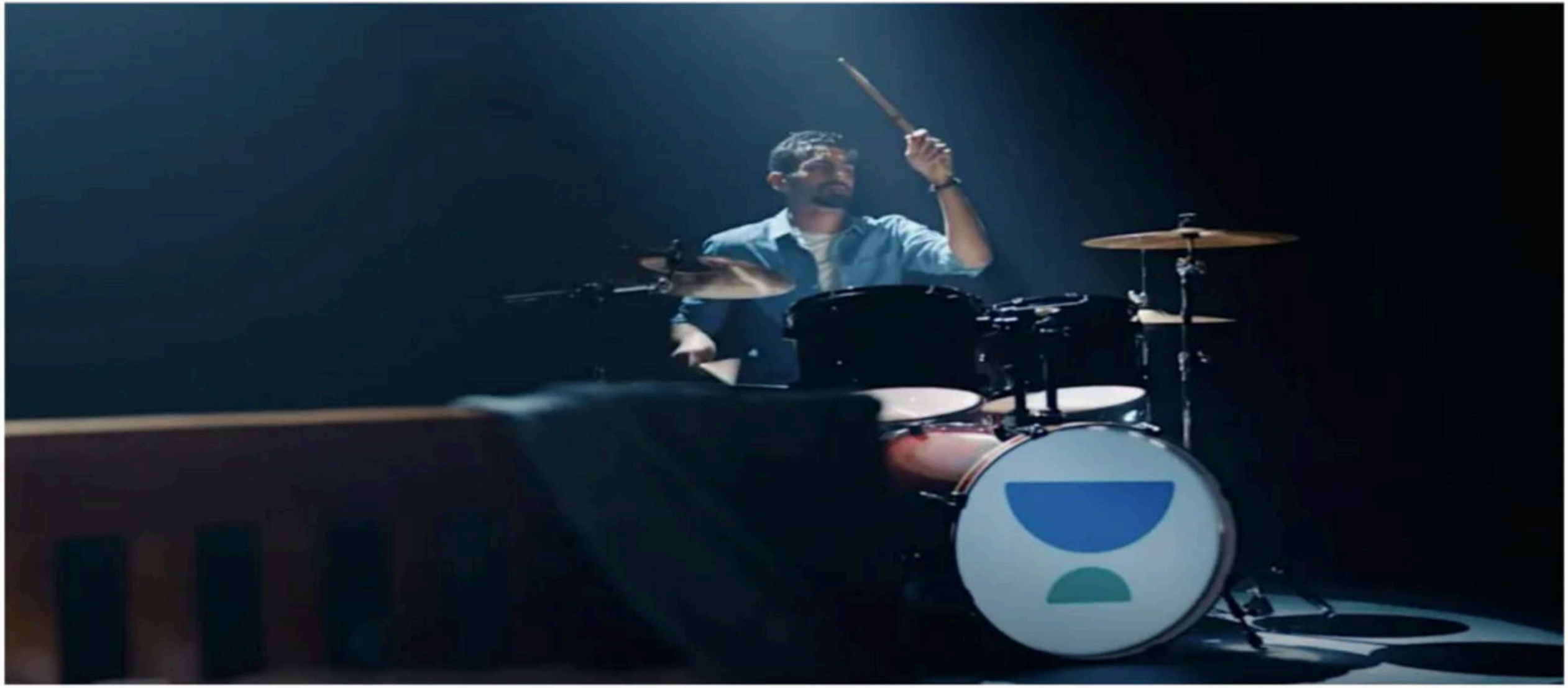
MOHAMMAD UMMAIR
AIR 95

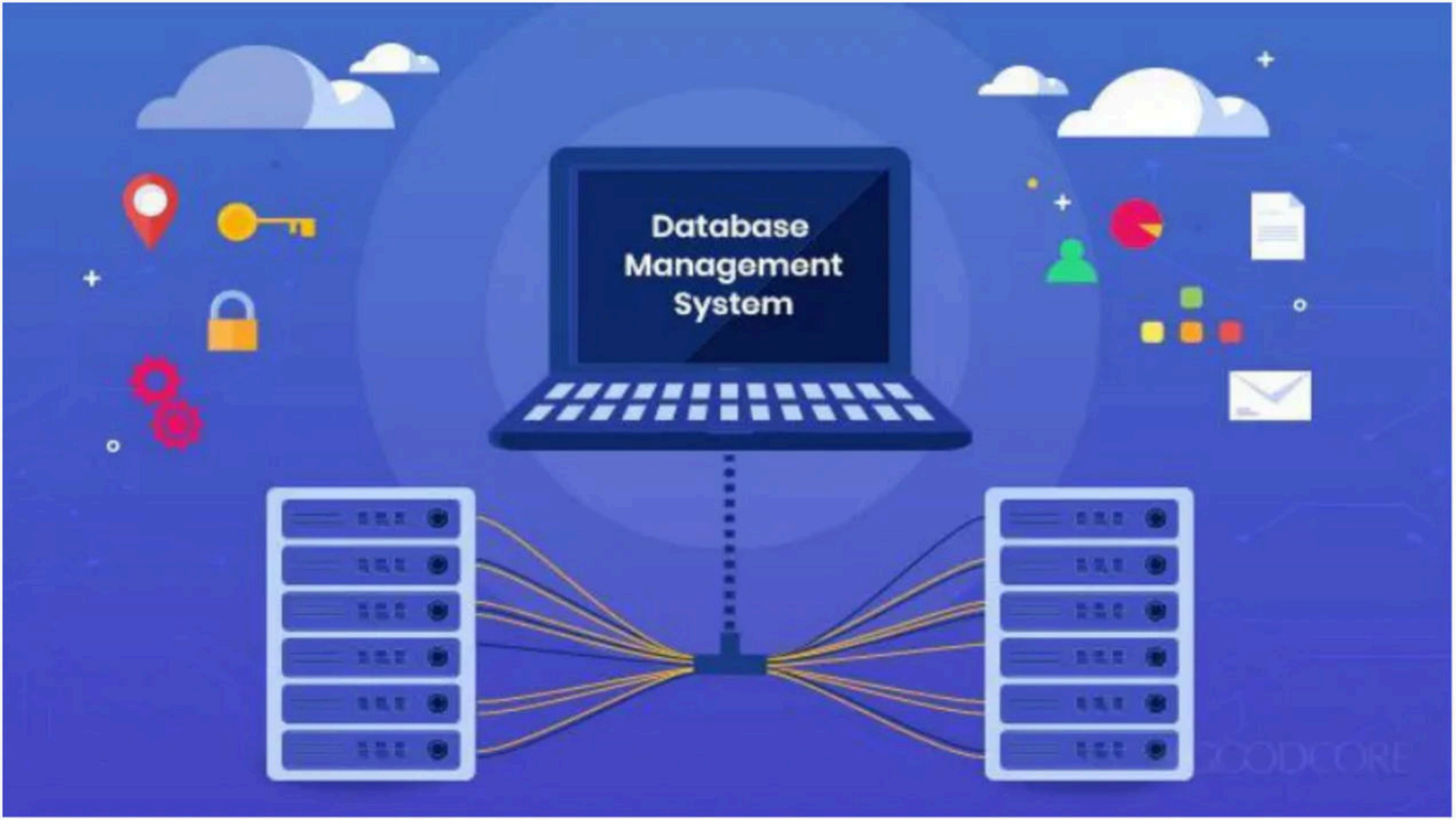
What About Quality and Scale?

Indian edtech Unacademy valued at $3.44 billion in $440 million fundraise

Manish Singh @refsrc / 6:45 AM GMT+5:30 • August 2, 2021

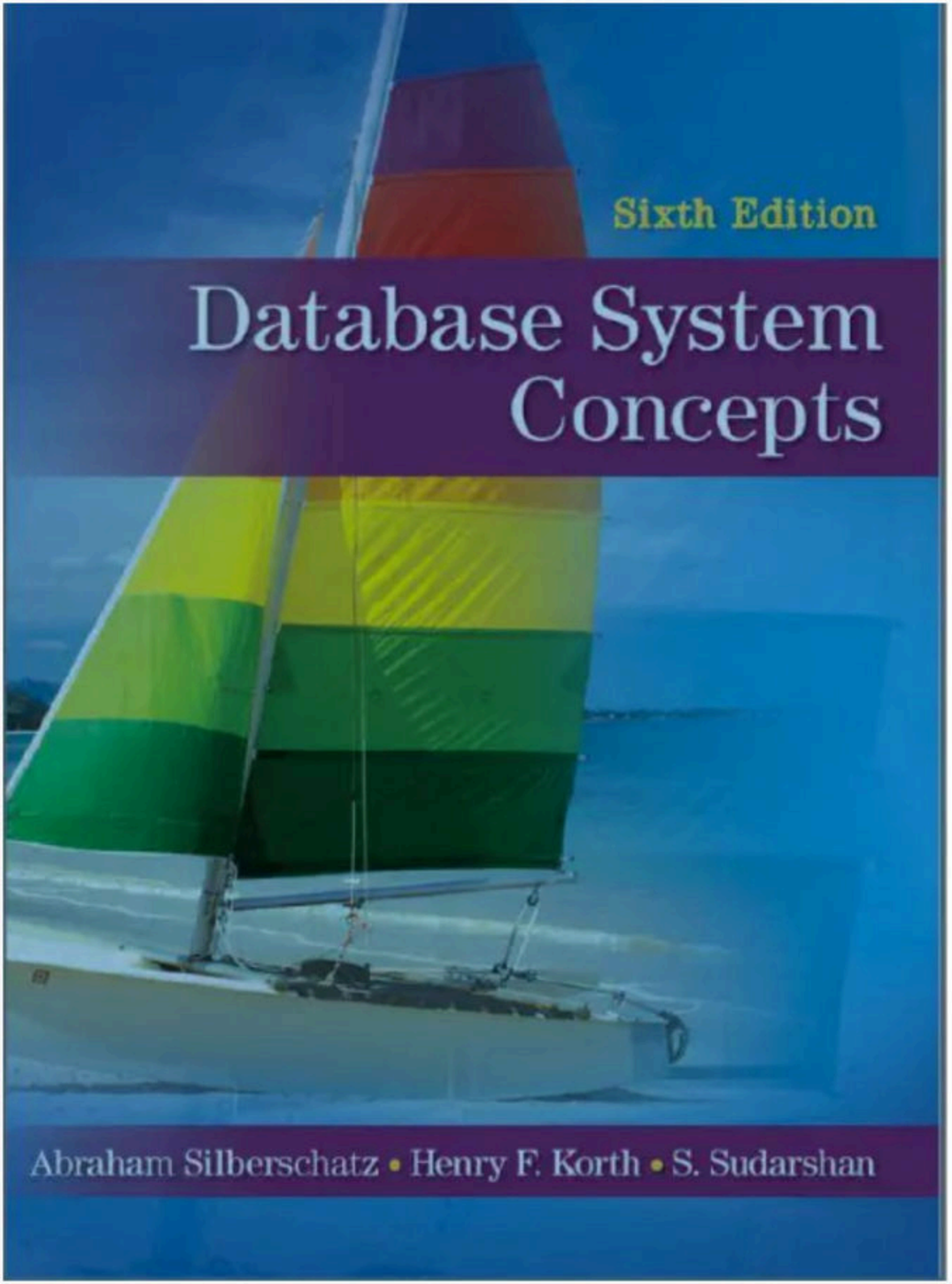
Comment



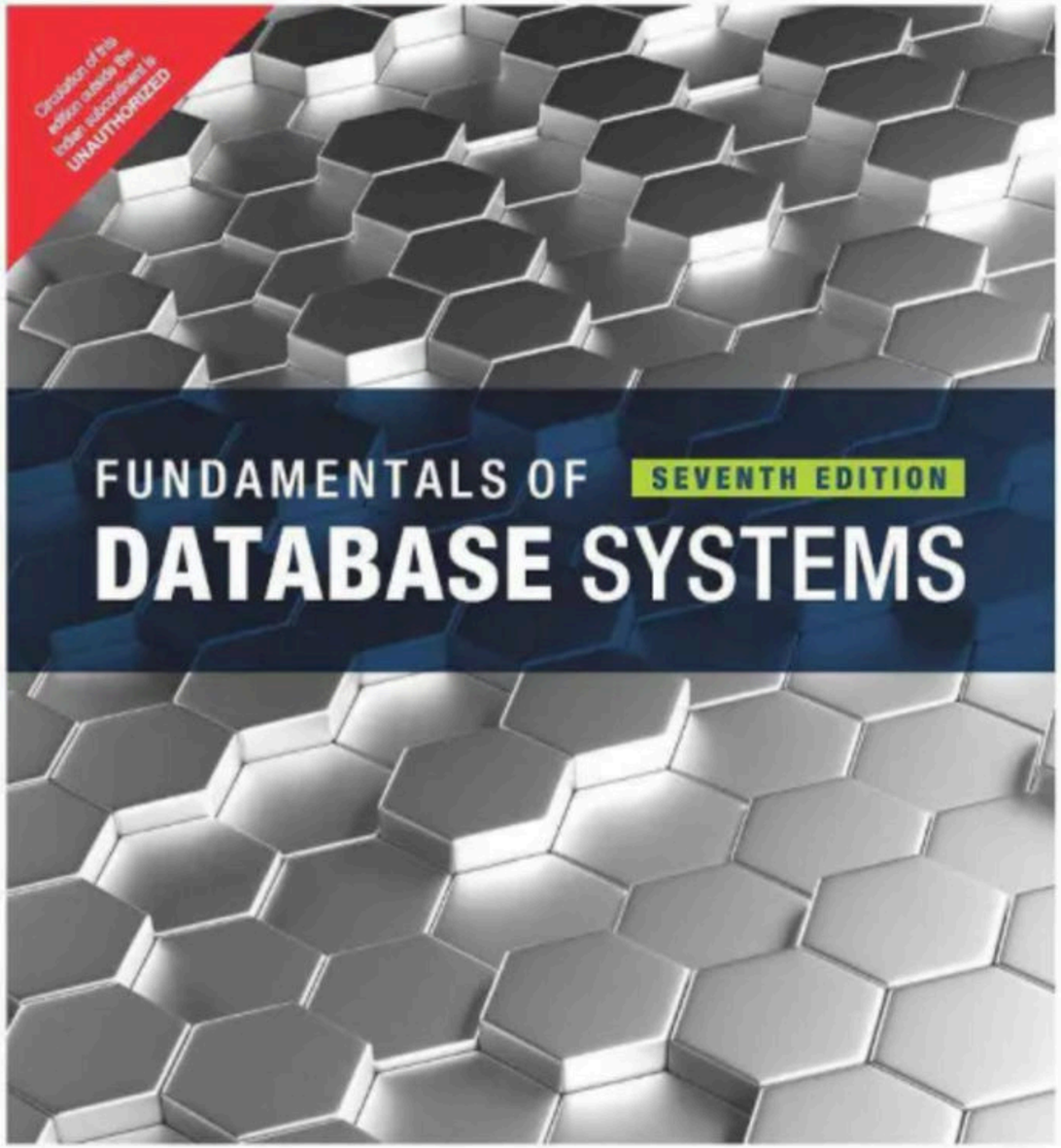

Database
Management
System

Database

- Core subjects for CS/IT Students
- In GATE 7-8 Marks out of 100 Marks, and 5-6 questions on an average
- In NET 15-16 Marks out of 200 marks and 10-12 questions
- Needs less time, very scoring 8-9
- Mostly numerical questions
- Indirect Application in Industry, good future



- **Book Name**
  - DATABASE SYSTEM CONCEPTS
- **Writers**
  - Abraham Silberschatz
  - Henry F. Korth
  - S. Sudarshan
- **Publisher** – McGraw-Hill
- **Edition** – 6th



- **Book Name**
  - Fundamentals of Database Systems
- **Writers**
  - Ramez Elmasri
  - Shamkant B. Navathe
- **Publisher** – Pearson
- **Edition** – 7th

Syllabus

- ER-model
- Relational model
- Integrity constraints
- Normal forms
- File organization, indexing (e.g., B and B+ trees).
- Relational algebra, tuple calculus, SQL.
- Transactions and concurrency control.

SHARE

Result ID 12903275986

RESULTS SETTINGS

PING ms	DOWNLOAD Mbps	UPLOAD Mbps
3	468.46	432.81

GO

Connections
Multi

Excitel
Noida
Change Server

Excitel
205.254.171.67

HOW DOES THE CUSTOMER SERVICE OF EXCITEL COMPARE WITH YOUR EXPECTATIONS?

1	2	3	4	5
Much worse		As expected		Much better

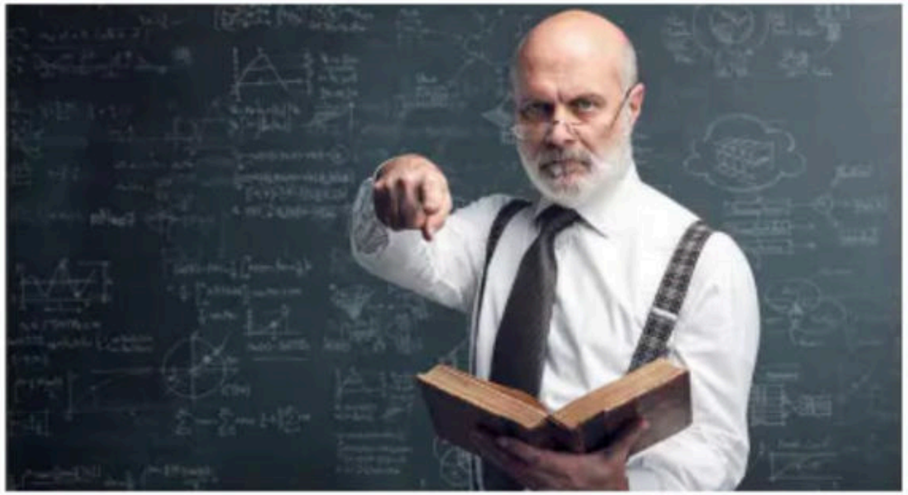
Having Internet Problems?

What you can expect from me

- Will take care of theory and numerical both
- Will give more weightage to the topics that are asked more frequently in GATE
- Will not emphasize more than required, on a topic
- Will provide PDF of related books

What i expect from you

- There is no hurry, feel free to ask questions any time through out the class, but first listen
- Please revise the entire lecture before and after the class
- Be regular, Consistency is most important
- More you practice, more clarity you will get
- If we follow all the above specified points Success in guaranteed



Break

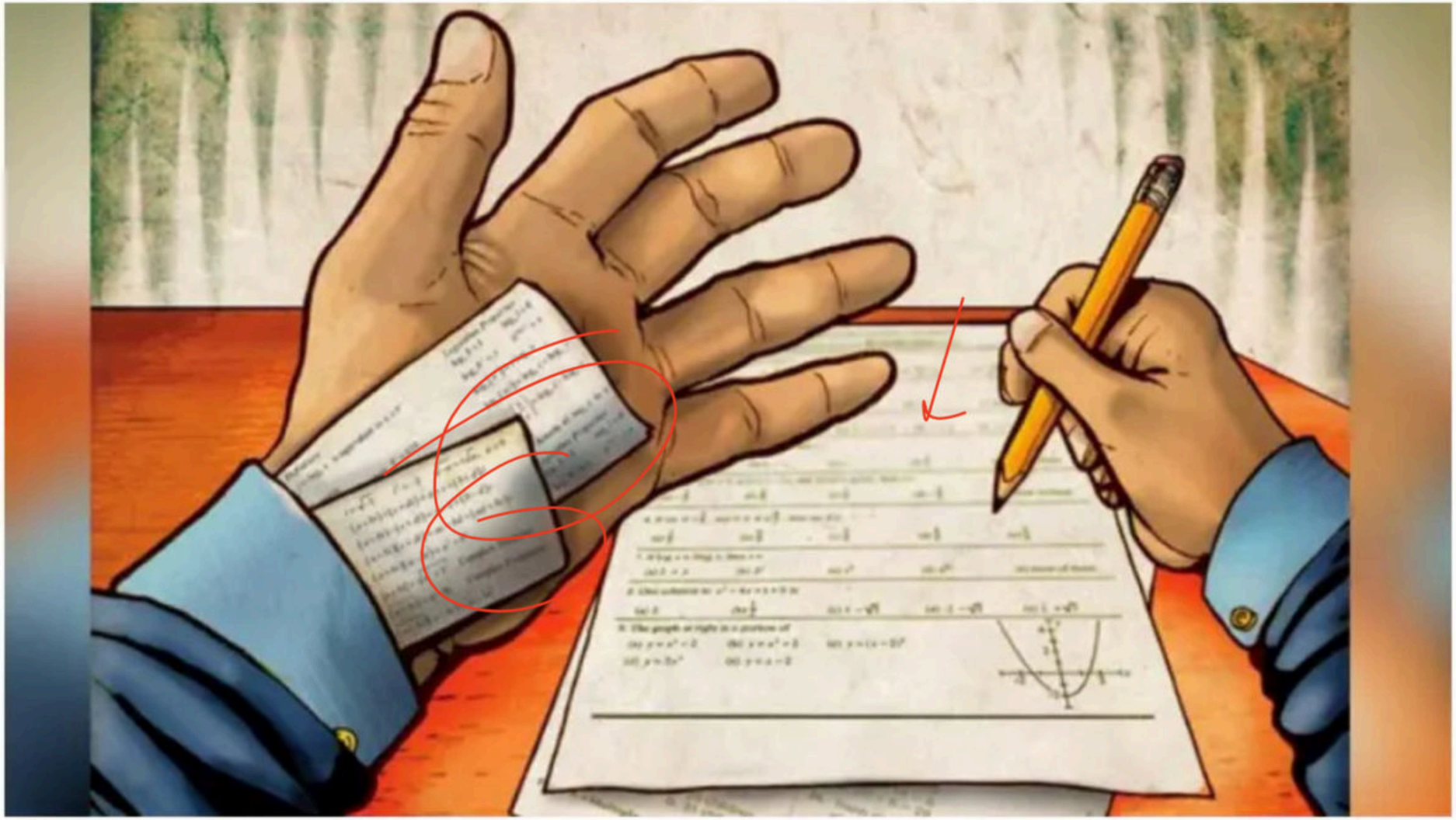
What is Data ?

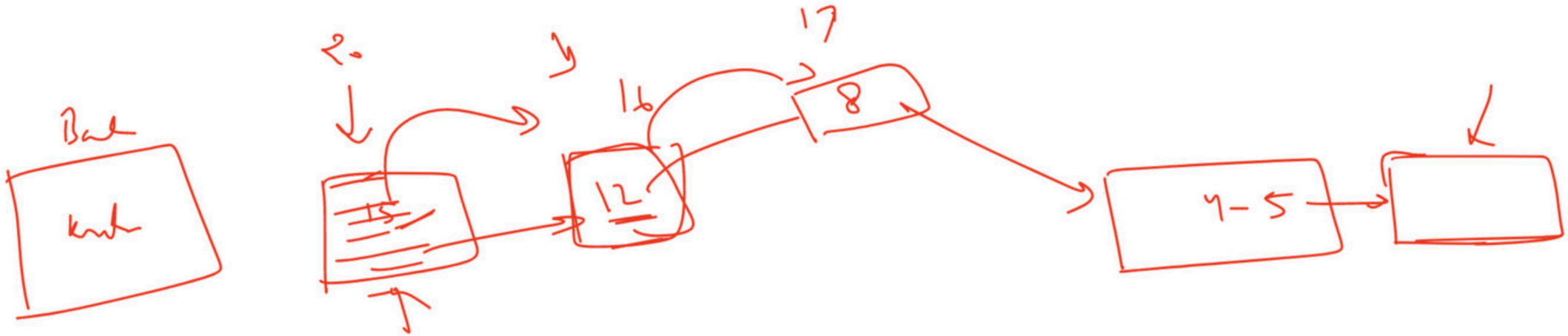
Data

- Data are characteristics, usually numerical, that are collected through observation. In a more technical sense, data are a set of values of qualitative or quantitative variables about one or more persons or objects, while a datum (singular of data) is a single value of a single variable.

- Any facts and figures about an entity is called as Data.

What is Information ?





T → slower

F = Fast/ok

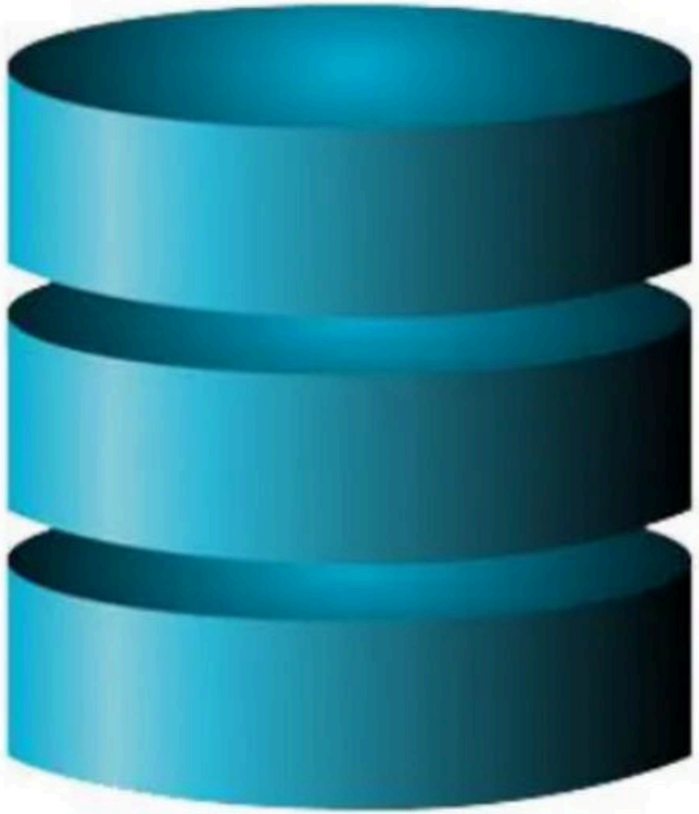
Information

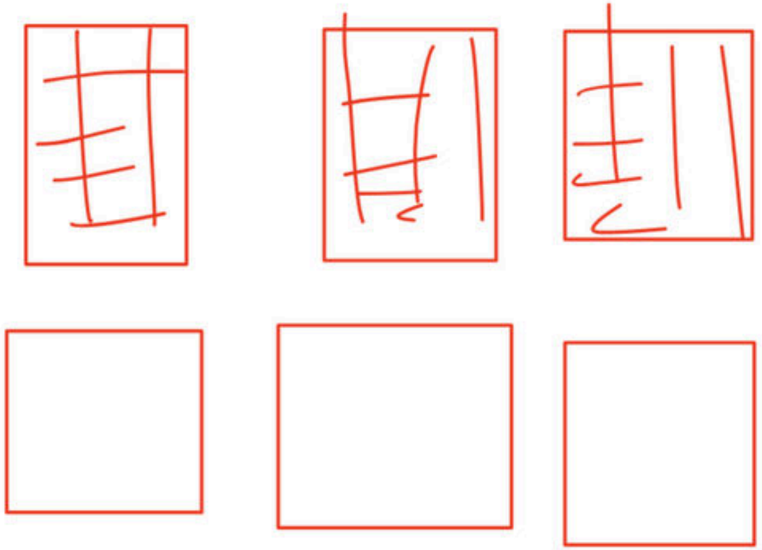
- Although the terms "data" and "information" are often used interchangeably, these terms have distinct meanings. In some popular publications, data are sometimes said to be transformed into information when they are viewed in context or in post-analysis.

- Processed Data is called information.

What is Data Base?

R.DBMS

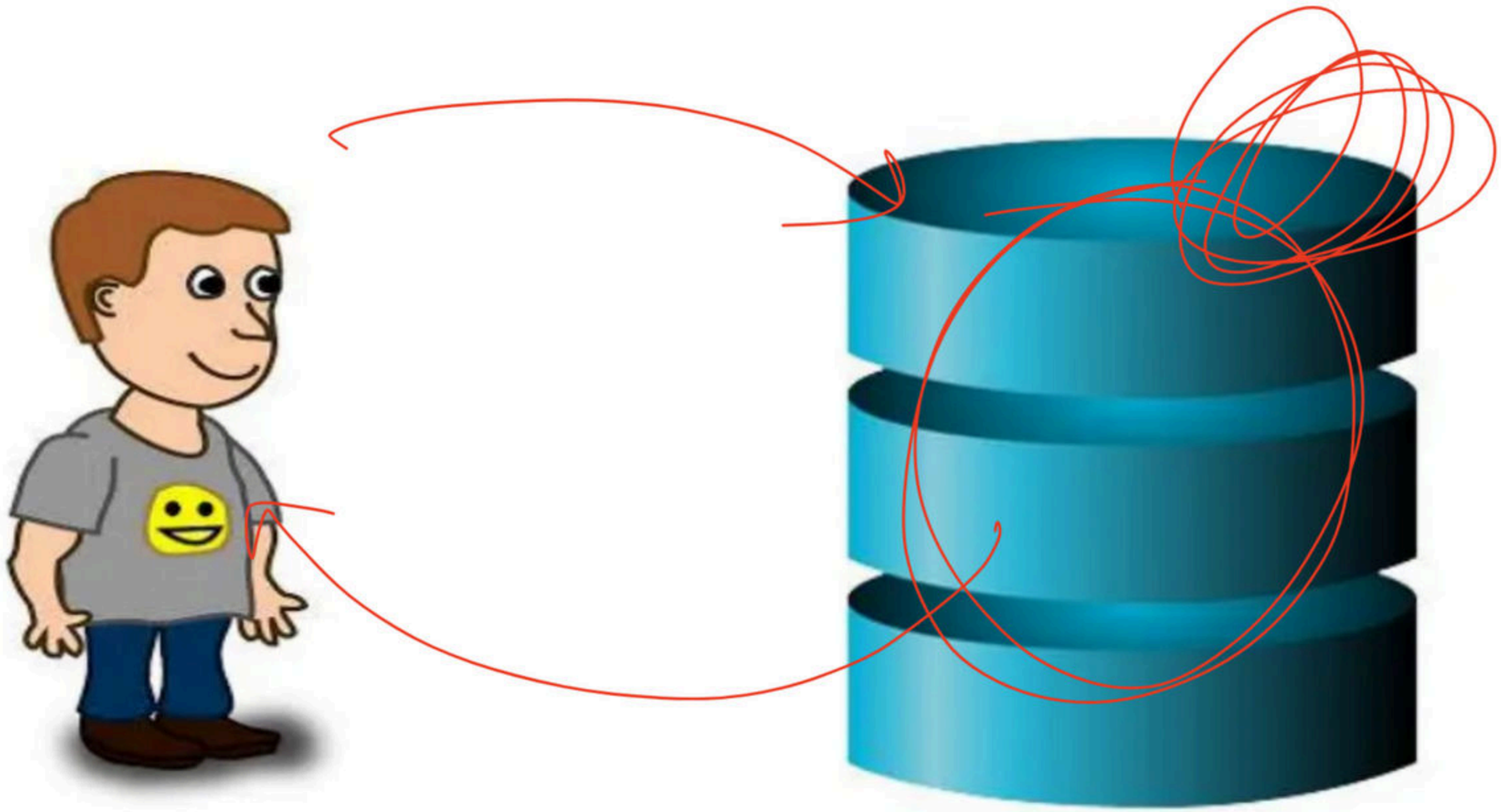




Data Base

- A **database** is an organized collection of data, generally stored and accessed electronically from a computer system.

What is Data Base Management System?



Data Base Management System

- The database management system (DBMS) is the software that interacts with end users, applications, and the database itself to capture and analyze the data.

- The DBMS software additionally encompasses the core facilities provided to administer the database. The sum total of the database, the DBMS and the associated applications can be referred to as a "database system".

Break

Problem With File System

- Data redundancy and inconsistency

Problem With File System

- Difficulty in accessing Data

Problem With File System

- Data Isolation

Problem With File System

- Integrity Problem

Problem With File System

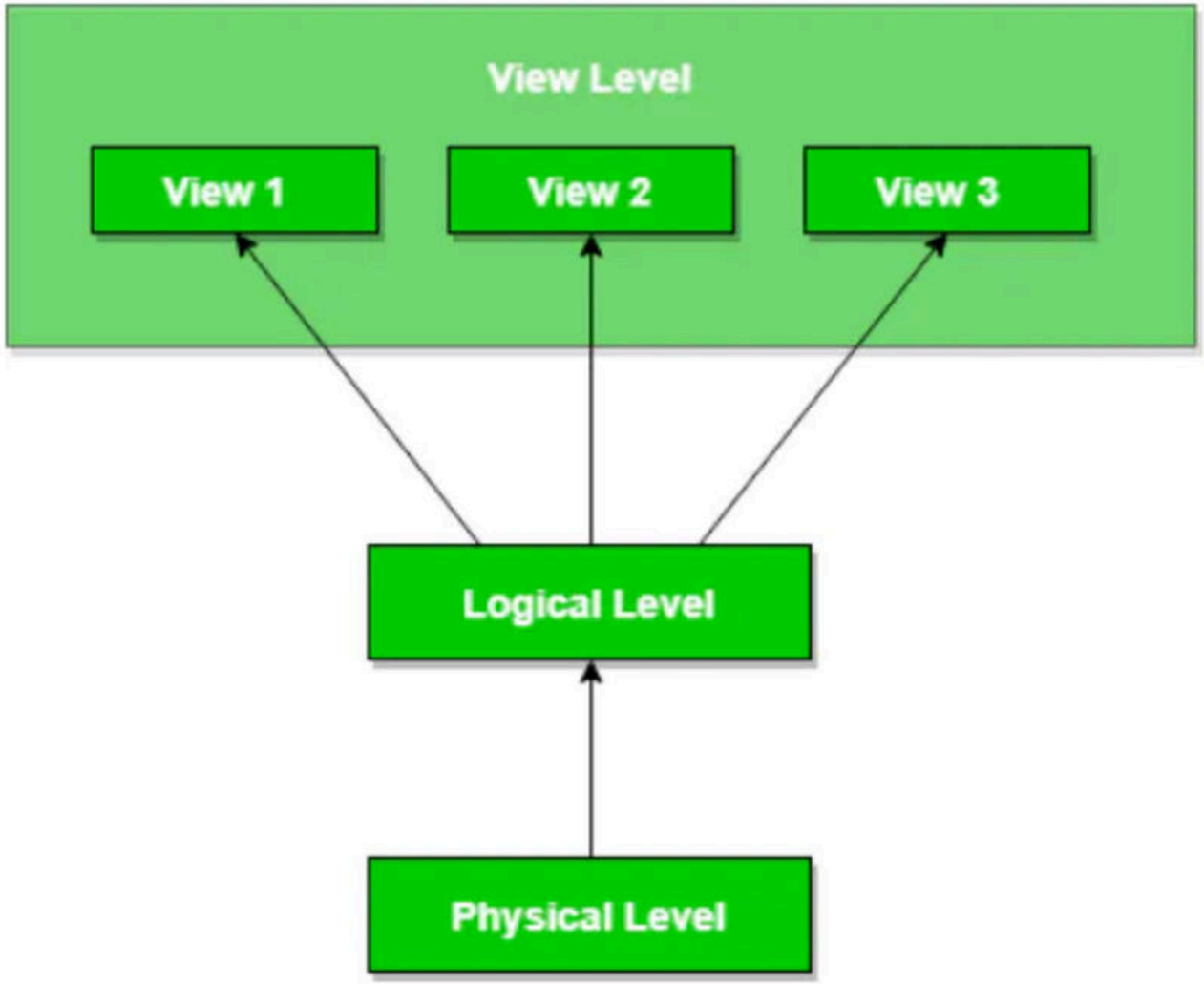
- Atomicity Problem

Problem With File System

- Concurrent access Anomalies

Break

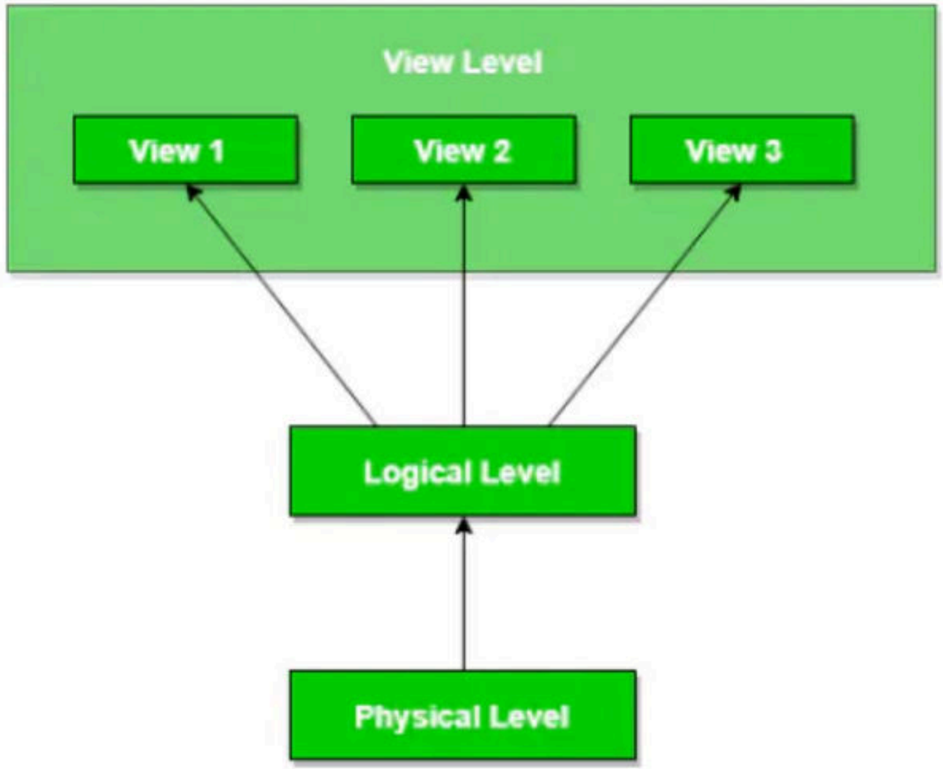
View of Data Base



Physical Level

- The physical or the internal level schema describes how the data is stored in the hardware.

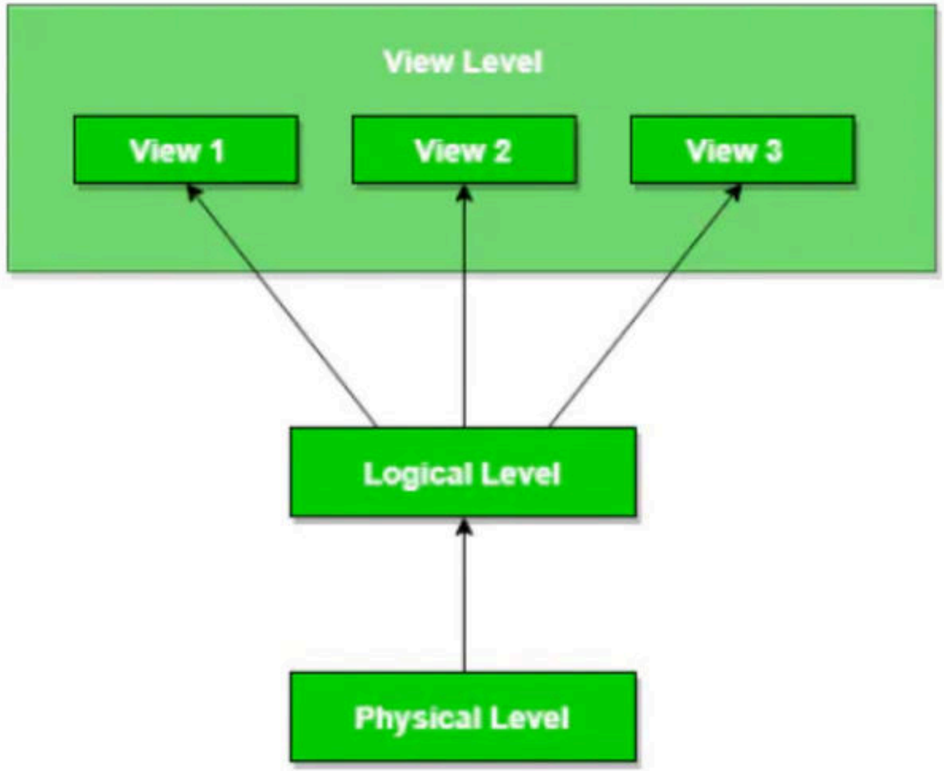
- It also describes how the data can be accessed. The physical level shows the data abstraction at the lowest level and it has complex data structures. Only the database administrator operates at this level.



Logical Level/ Conceptual Level

- It is a level above the physical level. Here, the data is stored in the form of the entity set, entities, their data types, the relationship among the entity sets.

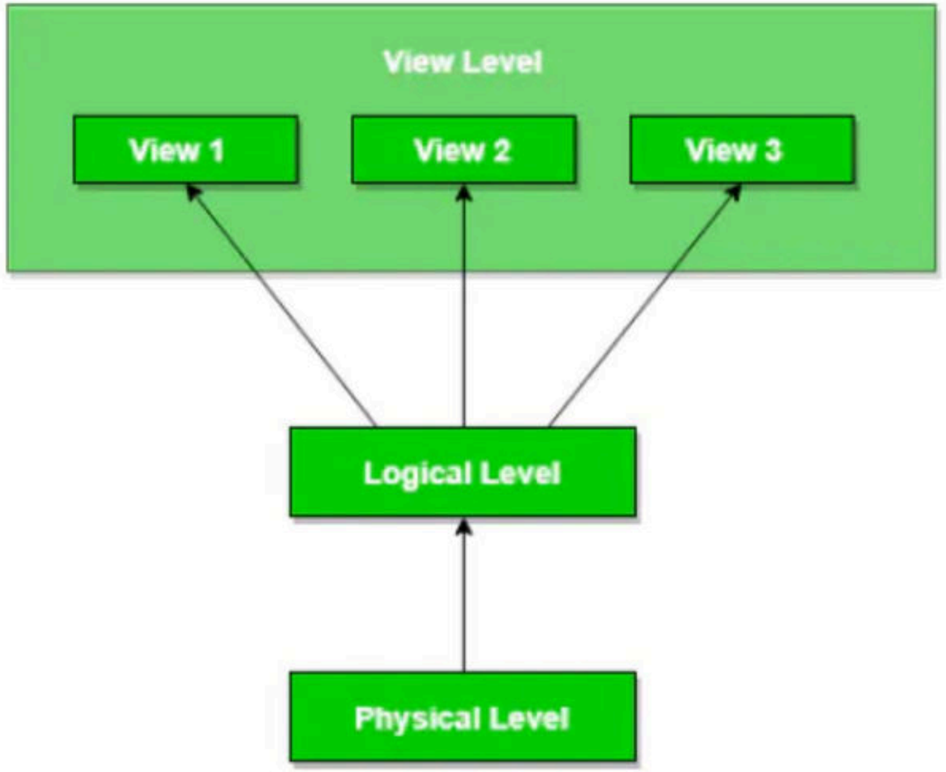
- The next-higher level of abstraction describes what data are stored in the database, what relationships exist among those data.



View Level

- It is the highest level of data abstraction and exhibits only a part of the whole database. It exhibits the data in which the user is interested.

- The view level can describe many views of the same data. Here, the user retrieves the information using different application from the database.



Break

Instance and Schemas

- The collection of information stored in the database at a particular moment is called an instance of the database.
- The overall design of the database is called the database schema.

OLAP Vs OLTP

OLAP	OLTP
✓ Gives a multi-dimensional view of business activities.	✓ Enables a snapshot of ongoing business processes.
✓ Helps with planning, problem solving, and decision support.	✓ Useful for controlling and running fundamental business tasks.
✓ Data source is consolidated data	✓ Data source is the operational data.
✓ Includes Periodic long-running batch jobs that refresh the data.	✓ Has short and fast inserts and updates which are initiated by end users.
✓ OLAP applications are widely used by Data Mining techniques.	✓ Large number of short on-line transactions
✓ Database design is typically de-normalized and contains fewer tables.	✓ Database design in OLTP is highly normalized.
✓ Often involves complex queries along with aggregations, which in turn compels processing speed to be dependent on the amount of data involved; batch data refreshes, etc.	✓ Involves standardized and simple queries that return relatively few records hence is faster.

Break

Types of Data Base

- Commercial

Types of Data Base

- Multimedia

Types of Data Base

- Deductive

Types of Data Base

- Temporal

Types of Data Base

- Geological Info System

DBA

Break

Q Which of the following techniques allow extracting valuable information from large volumes of data and predicting outcomes of future situations? **[Asked in Accenture 2021]**

a) Data warehousing

b) Data mining

c) Data analysis

d) Database management

Ans : b

Solution

Data mining techniques allow extracting valuable information from large volumes of data and predicting outcomes of future situations

Data Mining: Bringing out the most important data from a huge data set is known as data mining. With the help of Artificial Intelligence (AI), a CRM tries to answer the most important data queries of a business. In a CRM, data mining helps to find relations among data, classifies the customers according to business value, and helps to find answers to the following questions –

Which customers the business should target?
What is the cost of customer acquisition?
Which customers are buying (or not buying) the products?
Who are high/medium/low margin customers?
What profile customers are defaulting payment repeatedly?
How can a business segment it's market?
Can the business offer a common price for all customer segments?

For example, an analyst at Flipkart found that customers who buy a smartphone are also looking for tempered glass and cover for it. He used this information to create a bundle in which there is a smartphone, a tempered glass suited to the screen size of the smartphone, and a cover. This helped in accelerating the sale of the tempered glass and the phone back cover.