#### **VISHVADEEP GOTHI SIR**

AIR- 19, 119, 440, 682 in GATE



ME from IISc Bangalore
Mtech BITS Pilani in Data
Science



14+ Years of Teaching Experience,10+ Years in GATE/IES





#### **Subjects Taken:**

Computer Organization & Architecture, data structure, operating system, C-Programming, Data science, Machine Learning, Python, coding interview problems,

Special





#### Vishvadeep Gothi

#1 Educator in CS & IT · GATE & ESE

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

#### Follow Me on Tunacademy

http://www.unacademy.com/@vd\_gothi

http://tiny.cc/VDEEP10



#### **Upcoming Special Class**

**ENGLISH PROGRAMMING & DATA STRUCTURE** 

**Learn How Recursion Works?** 

In this session Vishvadeep Gothi will discuss the in depth working of function calling, its execution and recursion. The session will decode the details of Recursion for students.



8<sup>th</sup> Sep 8:15PM ✓

Use Code: **VDEEP10** 



VDEEP10

### SPECIAL CLASS FEATURES



INTERACTIVE LIVE CLASSES

Attend Live classes, Participate in Live chatand Get your doubts cleared



POLLS FOR THE LEARNERS

Respond to Polls for a Better Understanding of a Topic



NEVER MISS A CLASS

Get notified for Upcoming Classes and Recommendations Curated Just for you



LECTURE NOTES

Download Lecture Notes & Get Access to Recorded Session of Live Classes



ANYTIME ANYWHERE

Watch our Classes, Live or Recorded, Anytime from Any of Your Devices.





**PLUS** 

12 MONTHS

₹2,434/MO + 10% OFF

₹ 29,205

NO COST EMI

**PLUS** 

18 MONTHS

₹2,065/MO + 10% OFF

₹ 37,170

NO COST EMI

**PLUS** 



₹1,770/MO + 10% OFF

₹ 42,480

**NO COST EMI** 

VDEEP10







₹3,769/MO + 10% OFF

₹ 45,225

NO COST EMI

ICONIC



₹3,225/MO + 10% OFF

₹ 58,050

NO COST EMI

USE CODE

VDEEP10

ICONIC



₹2,775/MO + 10% OFF

₹ 66,600

**NO COST EMI** 



#### **Unacademy Ask a Doubt**

Ask unlimited doubts

Ask doubts at any time

Get high-quality video solutions in English & Hindi

Receive exact matches for questions

Obtain instant and accurate solutions to lakhs of questions

Get assistance with homework







## LIVE Mentoring Product

1:1 Live Mentoring with the all new Iconic Subscription



Experience the personalized learning like never before with our Expert mentors



Discuss your doubts, clarify your concepts and enhance your exam strategy with just a click

Get 10% off | Use Code

VDEEP10





#### **ACCELERATE**

**FOR GATE 2022** 



**WE START WITH** 

Programming & Data Structures Sanchit Jain

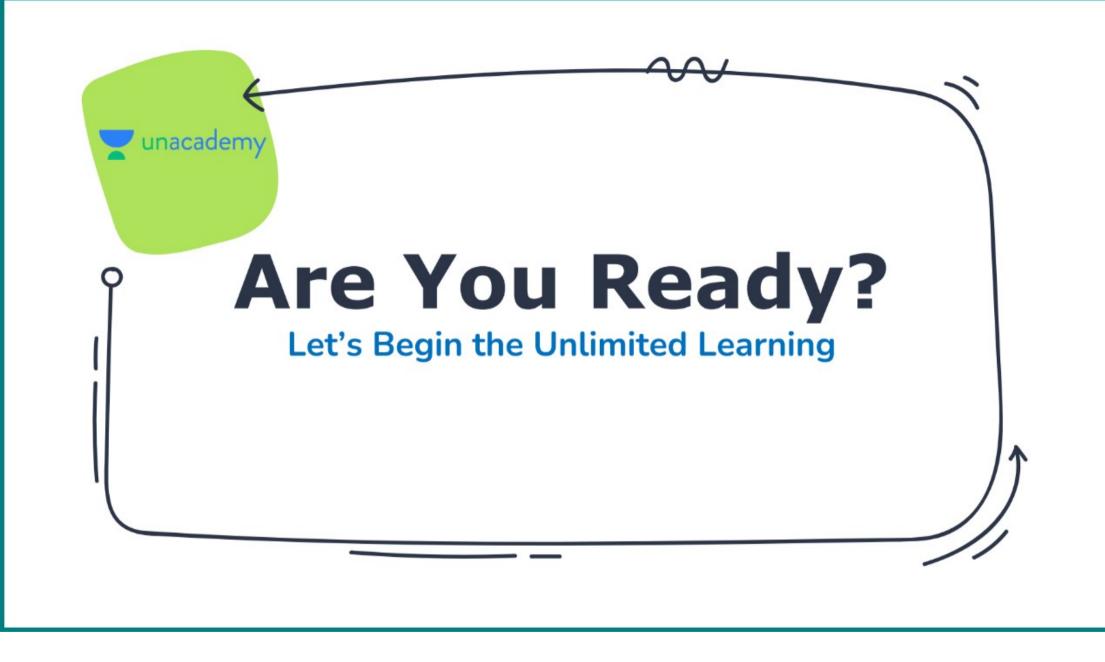
6:00 PM

**GET 10% OFF** 

VDEEP10

START DATE

25 AUG 21

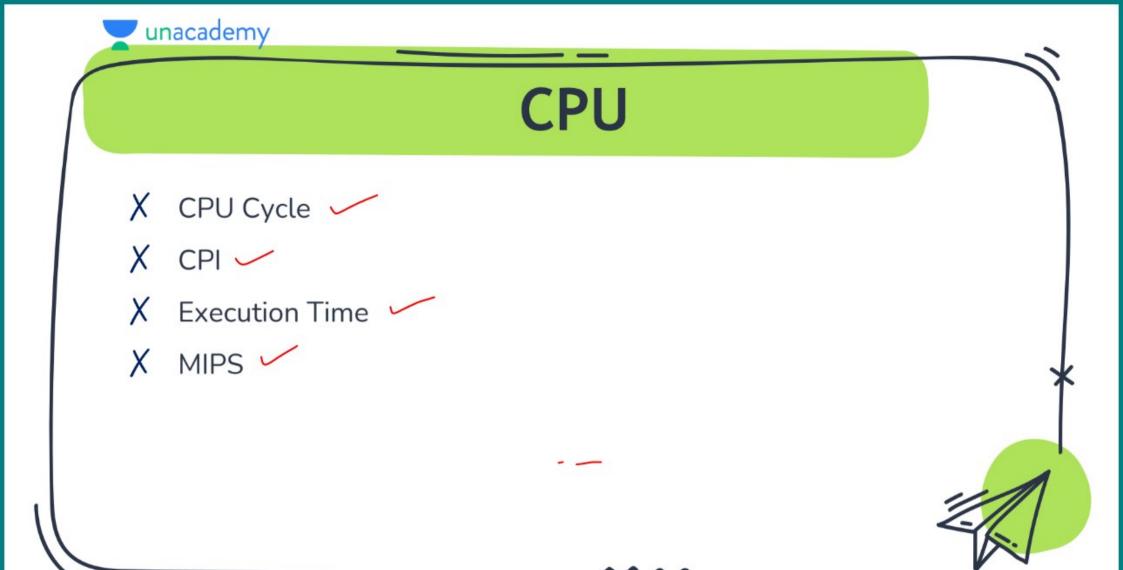




#### **CPU (Central Processing Unit)**

It is the brain of a computer, containing all the circuitry needed to process input, store data, and output results.



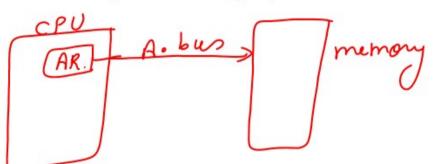


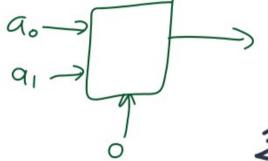


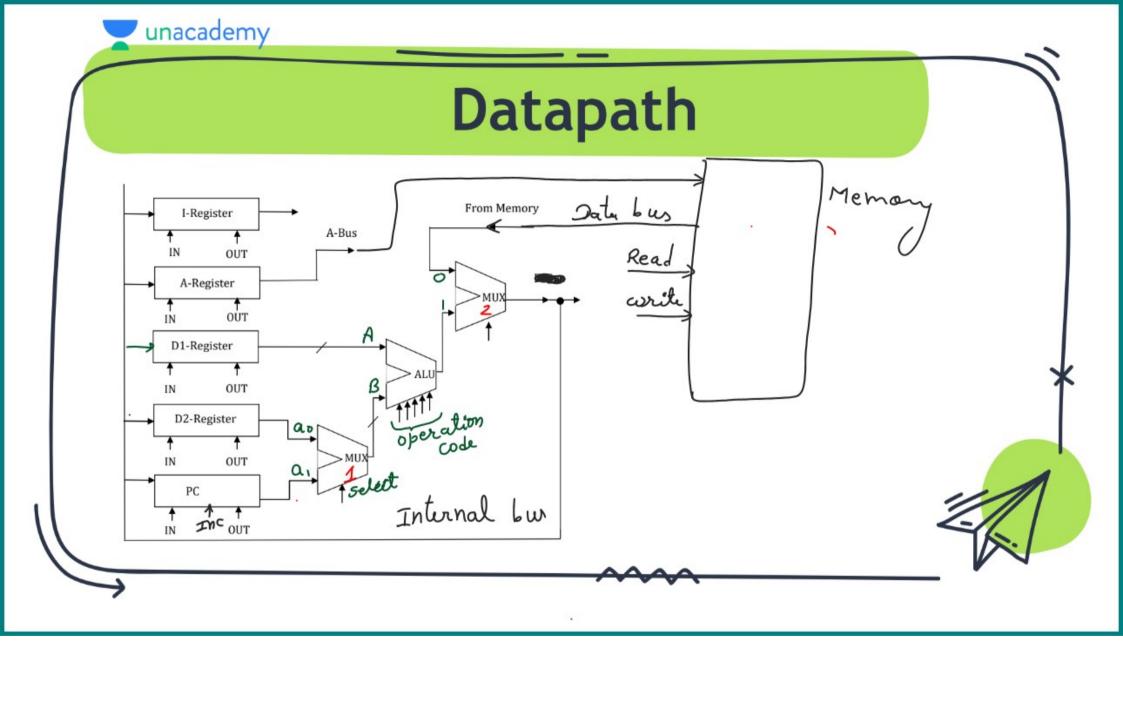
#### **Datapath**

Collection of functional units such as arithmetic logic units or multipliers, multipliers.

Perform data processing operations







<u>unacademy</u>

#### Datapath

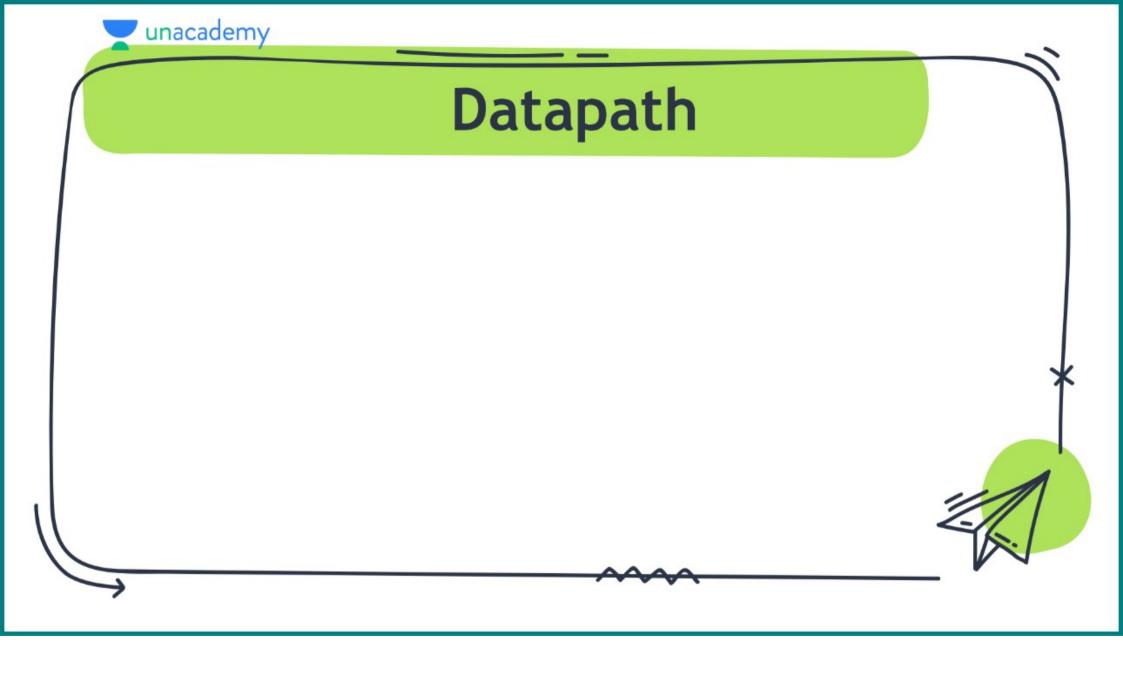
unacademy

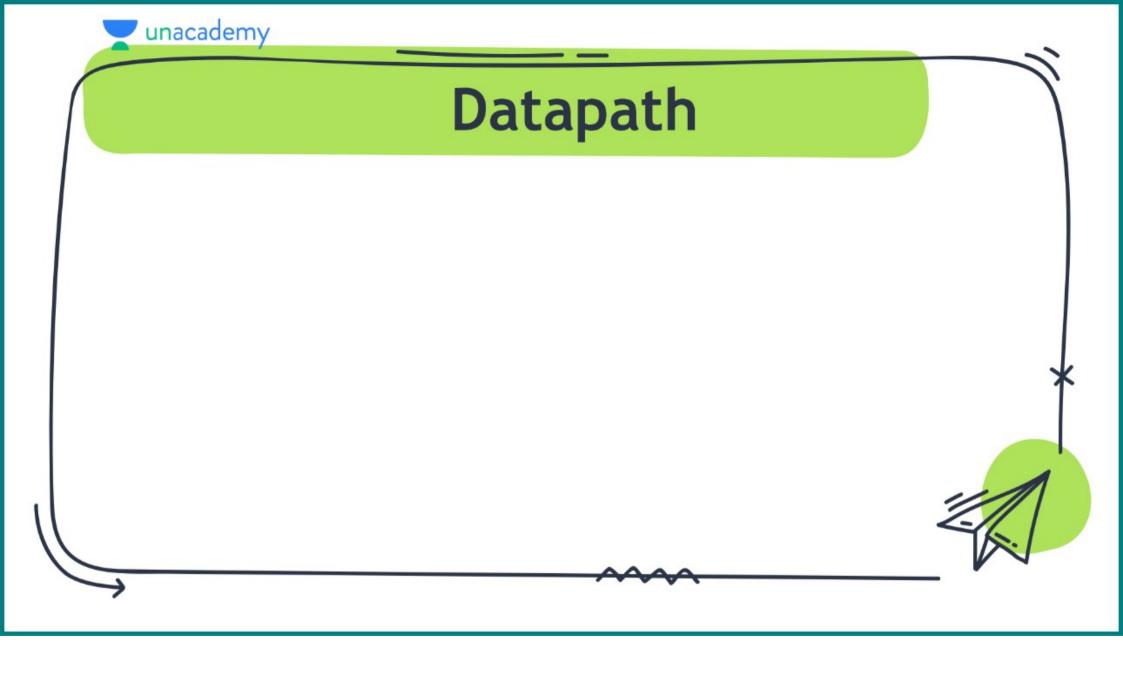
#### Datapath

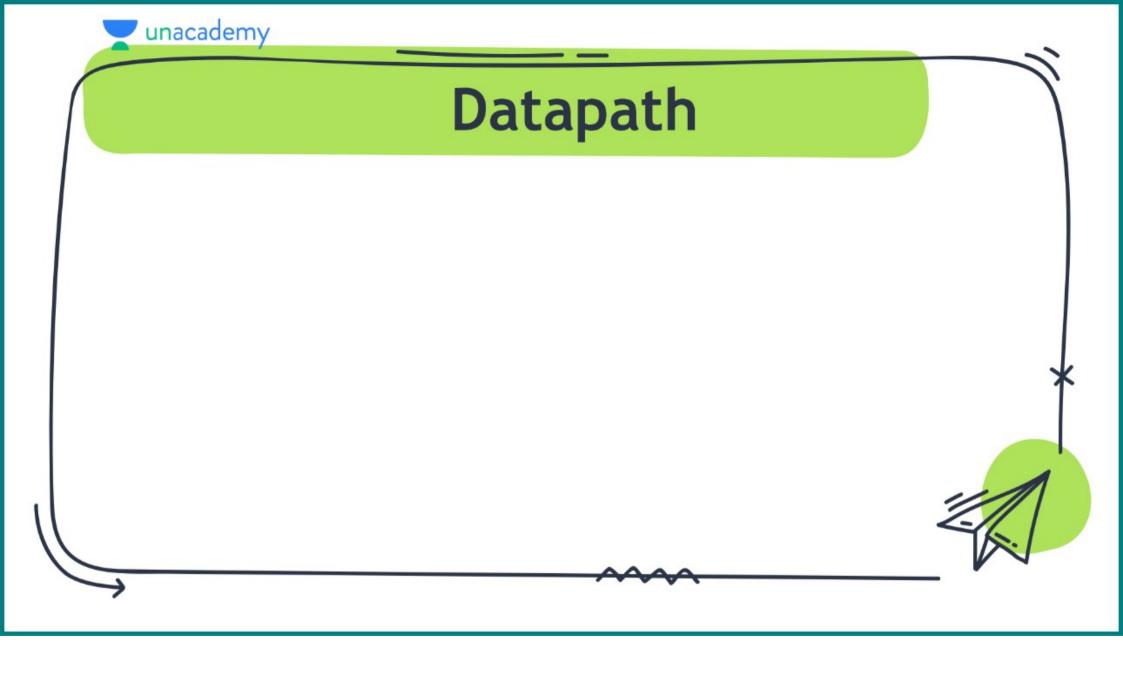
For eg., to transfer the contents of PC to AR, in that clock cycle

- 1 MUX 1's select must be set to 1
- 2) ALU'S spenational code must comespond to an openation in which the B input is as it is then spended to the output.
- 3) MUX 2's select must be set to 1
- A) AR'S IN must be set to 1.











#### **Control Unit**

It generates control signals and sends to various components of computer. All components operate according to these control signals.



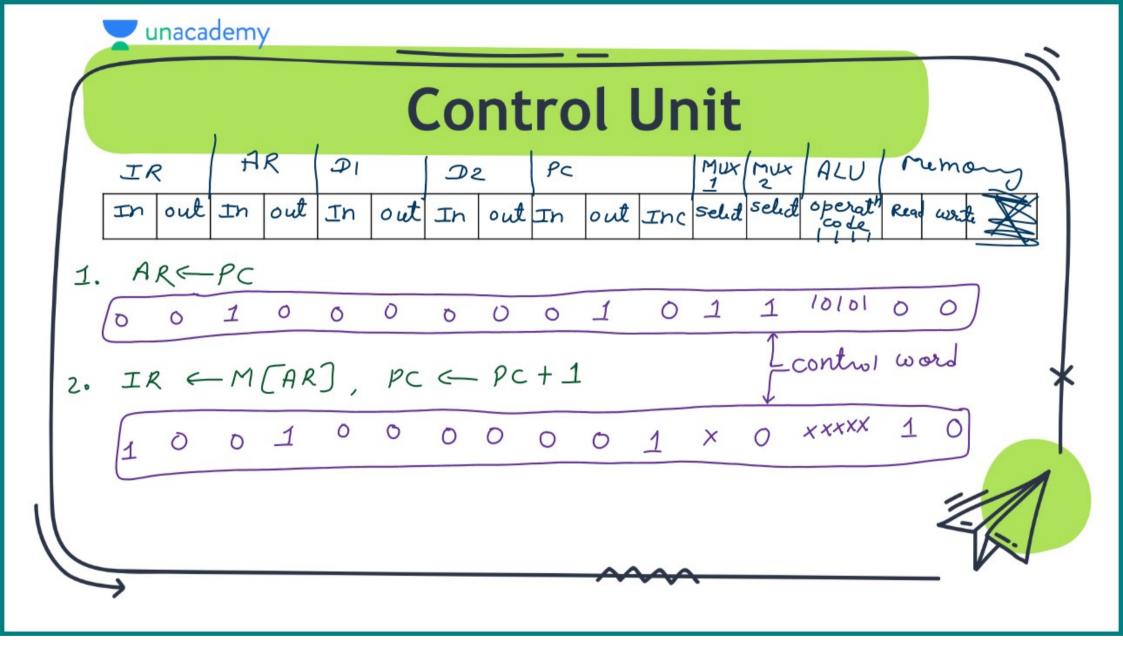


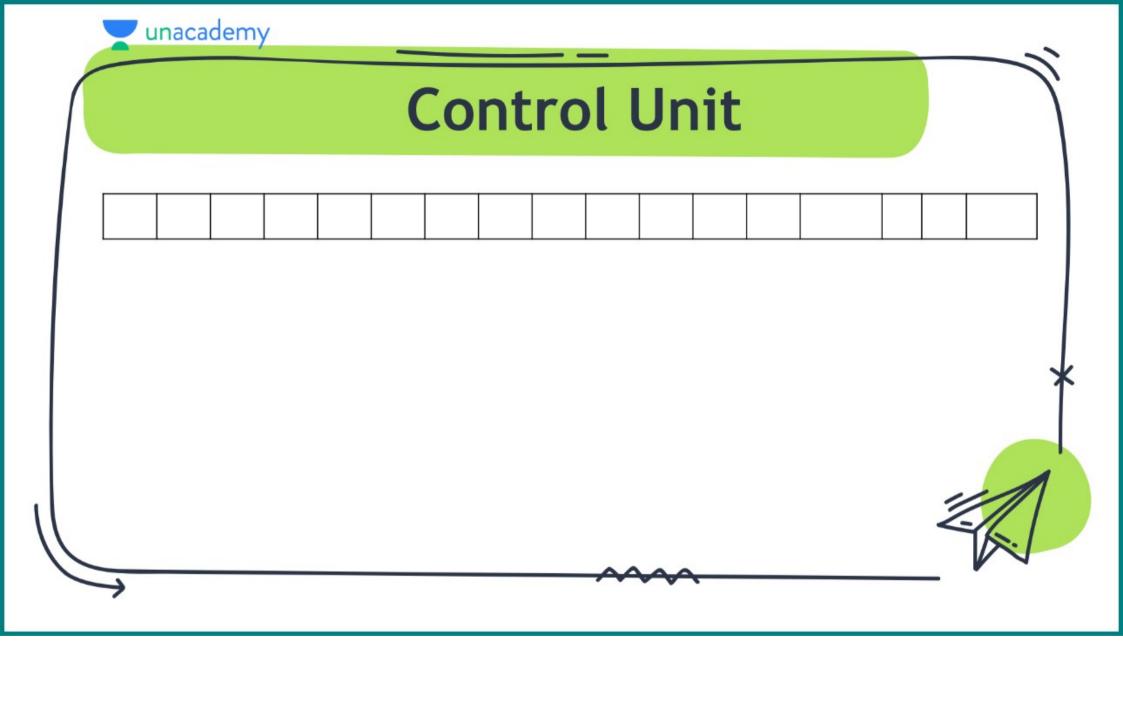
#### **Control Unit**

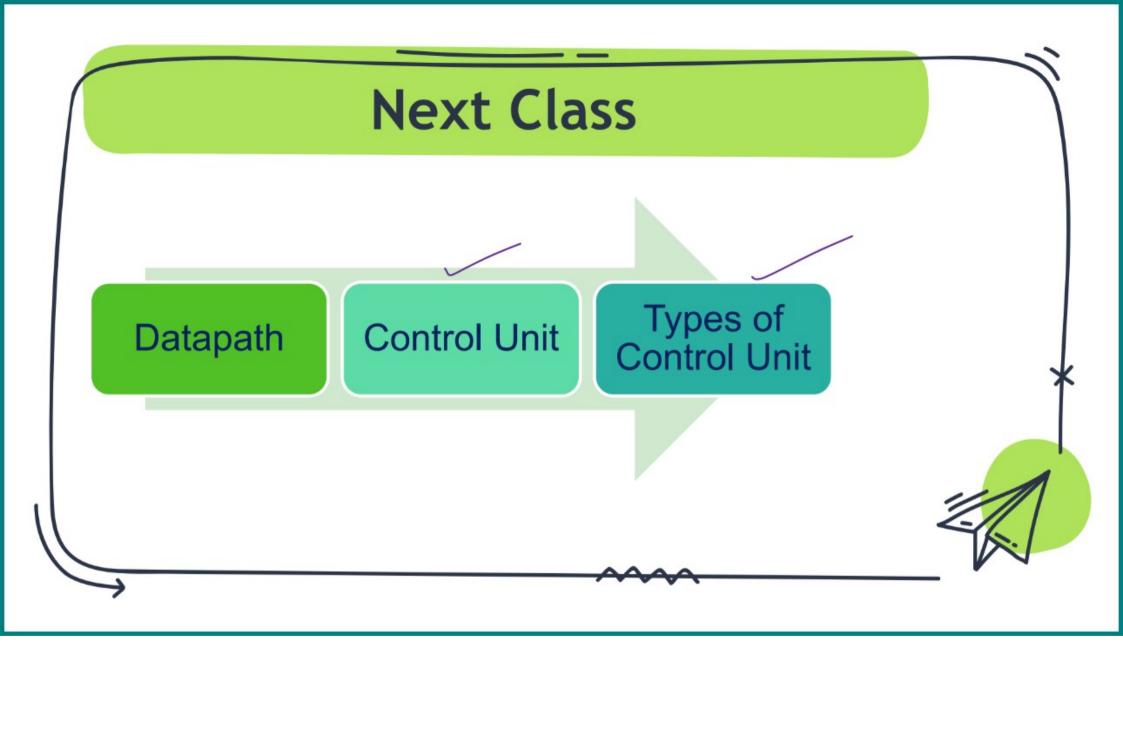
#### **Control Word:**

Collection of Signals generated by control unit at once











**PLUS** 

12 MONTHS

₹2,434/MO + 10% OFF

₹ 29,205

NO COST EMI

**PLUS** 

18 MONTHS

₹2,065/MO + 10% OFF

₹ 37,170

NO COST EMI

USE CODE

VDEEP10

**PLUS** 



₹1,770/MO + 10% OFF

₹ 42,480

**NO COST EMI** 





12 MONTHS

₹3,769/MO + 10% OFF

₹ 45,225

NO COST EMI

ICONIC

18 MONTHS

₹3,225/MO + 10% OFF

₹ 58,050

NO COST EMI

ICONIC



₹2,775/MO + 10% OFF

₹ 66,600

**NO COST EMI** 

VDEEP10



#### **Unacademy Ask a Doubt**

Ask unlimited doubts

Ask doubts at any time

Get high-quality video solutions in English & Hindi

Receive exact matches for questions

Obtain instant and accurate solutions to lakhs of questions

Get assistance with homework







## LIVE Mentoring Product

1:1 Live Mentoring with the all new Iconic Subscription



Experience the personalized learning like never before with our Expert mentors



Discuss your doubts, clarify your concepts and enhance your exam strategy with just a click

Get 10% off | Use Code

VDEEP10





#### **ACCELERATE**

FOR GATE 2022

Use Code VDEEP10



**WE START WITH** 

Programming & Data Structures Sanchit Jain

6:00 PM

**GET 10% OFF** 

VDEEP10

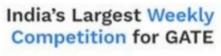
START DATE

25 AUG 21













Take it Live to compete with the best









Super fast and fun with All India Live Leaderboard

Challenging & Original GATE Questions curated by the Best Educators





Identify & improve your weak areas through detailed video solutions

**USE CODE** 

VDEEP10

SEPTEMBER 5, 12 | Starts at 11 AM

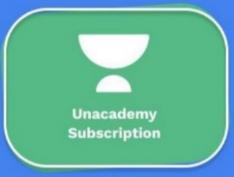














**RANK 1-3** 

Complimentary
Unacademy Plus
subscription for One Year

**RANK 4-10** 

75% off on Unacademy Plus subscription for the tenure of your choice. **RANK 11-50** 

50% off on Unacademy Plus subscription for the tenure of your choice. **RANK 51-100** 

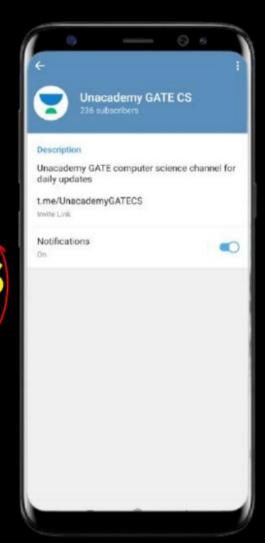
25% off on Unacademy Plus subscription for the tenure of your choice.

\*Winners can choose from 6 months / 12 months / 18 months / 24 months GATE & ESE Plus subscription.

Terms & Conditions Apply



https://t.me/UnacademyGATECS









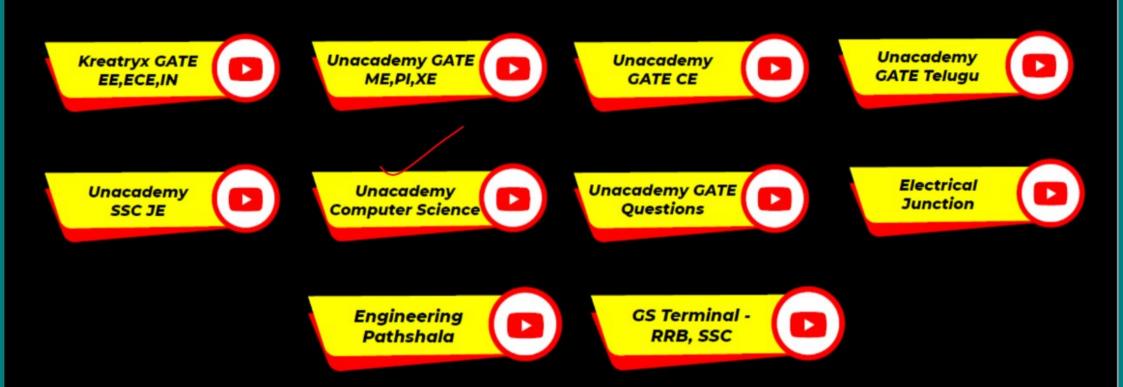
Opportunity for all Learners to report any inappropriate content in the video

Be the first one to report a particular issue to claim your prize

Report any inappropriate content using the form in the description



#### India's No. 1 Study Channels



## Happy Learning



# Thank Low







