



योग: कर्मसु कौशलम्
IN PURSUIT OF PERFECTION

Vivekananda Institute of Professional Studies - Technical Campus

Affiliated to Guru Gobind Singh Indraprastha University, Delhi, Recognised by Bar Council of India and AICTE
NAAC Accredited Grade 'A' Institute, NBA Accredited for MCA Programme
Recognised under Section 2(f) by UGC, ISO 9001:2015 Certified Institution

Vivekananda School of Information Technology

Webinar on ROADMAP TO DATA STRUCTURES AND ALGORITHMS

Vivekananda School of Information Technology (VSIT) organised a webinar on 'ROADMAP TO DATA STRUCTURES' on 10th December 2022 at 12 pm on the zoom platform. The objective was to make everyone aware of the importance of Data Structures and algorithms as a person equipped with strong DSA skills will have a better and more efficient approach to solving a problem than someone who is not aware of these concepts. The event started with a warm welcome of our guest speaker, respected teachers and all the students present. After the introduction, the event was taken over by **Mr Varun Kohli** (Speaker). As he began the session, he explained what DSA is and why it is so useful for students in the future. He mentioned that it is applied in problem-solving and enables developers to learn how to write efficient code.

Afterwards, he briefly explained the Roadmap to DSA, including how to start from scratch and the things we need to learn, such as arrays, strings, linked lists, stack, queue, trees, and hashmap. He covered a variety of frequently asked interview questions and how to crack them effectively. Lastly, he discussed several platforms for practising DSA. The session was interactive where students asked several queries. The speaker's insight helped the students in figuring out how to move ahead in the area of competitive programming. Towards the end of the event, our faculty coordinator Ms Kanta Malik showed gratitude to our guest speaker and student coordinators to make the event successful. Altogether, the event received positive feedback from students.

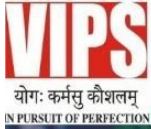


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ISO 9001: 2015 CERTIFIED

VIVEKANANDA SCHOOL OF INFORMATION TECHNOLOGY

PRESENTS

LIVE WEBINAR ON

ROADMAP TO DATA STRUCTURES AND ALGORITHMS

10 DEC, 2022 12:00 PM

WEBINAR WILL BE ON



FACULTY COORDINATOR

MS. KANTA MALIK

Varun Kohli

CEO & CO-FOUNDER AT CODING BLOCKS

STUDENT COORDINATORS

MUSKAN AGGARWAL

SHAILJA AGARWAL

TANISHA

ROOPAL JAIN

PRITISH PARASHAR

VANSHIKA JAIN

PARIKSHIT CHOUDHARY

KARTIK LAKRA

TUNISHA VYAS

MUKUL SEYAROLIA



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Zoom meeting interface showing a grid of 11 panelists and 18 attendees. The panelists are: Coding Blocks, Tunisha Vyas, Parikshit Choudhary, Roopal Jain, Vanshika Jain, Pritish Parashar, Tanisha, Mukul Kumar Seyarolia, Shailja Agarwal, Muskan Aggarwal, and Parikshit Choudhary. The attendees are: Tunisha Vyas (Me), Muskan Aggarwal (Host), Coding Blocks, Mukul Kumar Seyarolia, Parikshit Choudhary, Pritish Parashar, Roopal Jain, Shailja Agarwal, Tanisha, Tunisha Vyas, and Vanshika Jain.

Zoom Webinar interface showing a shared screen with handwritten notes. The notes include: Road Map to DSA ✓, Mtech - IITD, Career → Placement, Java, Python, ML/Datascience, IT, Amazon, Google, Microsoft, SAP, Product Based. The interface also shows a recording status and a chat window.

Zoom meeting interface showing a list of participants and attendees. The participants are: Tunisha Vyas (Me), Muskan Aggarwal (Host), Coding Blocks, Mukul Kumar Seyarolia, Parikshit Choudhary, Pritish Parashar, Roopal Jain, Shailja Agarwal, Tanisha, Tunisha Vyas, and Vanshika Jain. The attendees are: Tunisha Vyas (Me), Muskan Aggarwal (Host), Coding Blocks, Mukul Kumar Seyarolia, Parikshit Choudhary, Pritish Parashar, Roopal Jain, Shailja Agarwal, Tanisha, Tunisha Vyas, and Vanshika Jain.

Zoom Webinar interface showing a list of participants and attendees. The participants are: Tunisha Vyas (Me), Coding Blocks (Host), Mukul Kumar Seyarolia, Pritish Parashar, and Roopal Jain. The attendees are: Tunisha Vyas (Me), Coding Blocks (Host), Mukul Kumar Seyarolia, Pritish Parashar, and Roopal Jain. The chat window shows messages from Akeel to Everyone (Microsoft) and kirti to Everyone (SAP).



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Zoom Webinar | You are viewing Coding Blocks' screen | View Options

Recording | OneNote | Shubham Singhal

Participants: Tunisha Vyas, Roopal Jain, Mukul Kumar S..., Vanshika Jain

Webinar Chat:

- Shaija Agarwal to Everyone: mock interview website
- Akeel to Everyone: thank you so much sir for this amazing session
- Vaibhav Raj to Everyone: what can do non computer background
- Devender Verma to Everyone: can you guide us by step by step approach for getting a good job after 3rd (i am in 3rd year)
- Naman to Everyone: is CGPA important or is being good in DSA enough to crack interviews?

Who can see my messages? Recording On

For: Hosts and panelists | Type message here...

Handwritten notes on OneNote:

Basics: loops, conditionals, ...

1) **Array**: Traversal, sorting, Searching, Two pointer, 2D-Array & matrix, Binary Search

2) **String**: String Matching - kmp, Sliding window, Substring - 2-A, 8 LACS → 12 LPA

3) **Linked List**: [] → [] → [] → []

4) **Stack**: LIFO → Possible balanced Paren, Next Greater StockSPA → leetcode

Queue: FIFO → LRU → codeforces

Algorithm: Recursion + Dynamic Programming

REC | OneNote | Shubham Singhal

Handwritten notes on OneNote:

3) **Linked List**: [] → [] → [] → []

Sliding window

Substring -

5) **Trees**: (Recursion, Linked List) → Generic tree, Binary Tree, BST → Binary Search Tree → AVL, Re

L & L-block

Windows taskbar: 23°C, 11:55, 10-12-2022



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