Welcome Note for IPC 2020

Special class

Tanuj Khattar • Nov 20, 2020

Welcome Everyone to Indian Programming Camp - 2020

https://www.codechef.com/ipc/camp/2020
Nov. 20th - Nov. 22nd

tanujkhattar@

Previous Indian Programming Camps

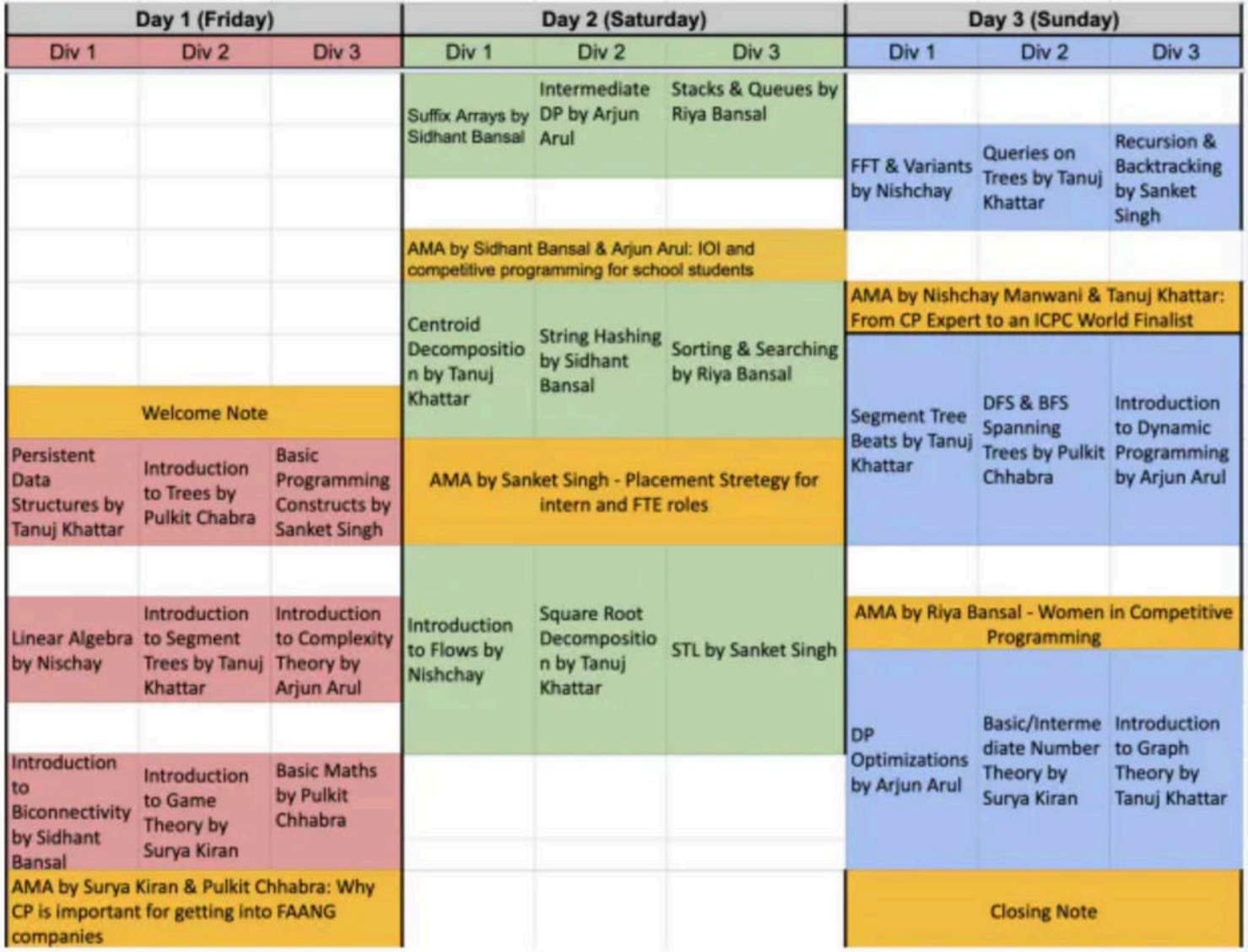
- IPC 2016 Lecture Videos
- IPC 2017 Lecture Videos

Meet the Educators for IPC 2020

- **Tanuj Khattar**
  - ICPC World Finalist 2017, 2018
  - Coach @ IOITC 2016-2018
  - Worked @ Google, Facebook, HFT.
- **Arjun Arul**
  - ICPC World Finalist 2012, 2013
  - Coach @ IOITC
- **Surya Kiran**
  - ICPC World Finalist 2014, 2015
  - Worked @ Google MTV, Google London
- **Sidhant Bansal**
  - ICPC World Finalist 2019, 2020
  - IOI Bronze Medalist 2017
- **Nishchay Manwani**
  - International Grandmaster on Codeforces
  - 7* coder on Codechef
  - 3rd year CSE Undergrad @ IIT Guwahati
- **Pulkit Chhabra**
  - International Master on Codeforces
  - Former intern @ Codenation, Hackerrank
- **Sanket Singh**
  - SDE @ Linkedin, Former SDE @ InterviewBit
  - GSOC 2019 @ Harvard University
- **Riya Bansal**
  - SDE @ Flipkart, Former SDE @ InterviewBit
  - Google Women Techmakers Scholar 2018

Schedule for 3 Days

- https://www.codechef.com/ipc/camp/2020



Day 1 (Friday)			Day 2 (Saturday)			Day 3 (Sunday)		
Div 1	Div 2	Div 3	Div 1	Div 2	Div 3	Div 1	Div 2	Div 3
			Suffix Arrays by Sidhant Bansal	Intermediate DP by Arjun Arul	Stacks & Queues by Riya Bansal			
						FFT & Variants by Nishchay	Queries on Trees by Tanuj Khattar	Recursion & Backtracking by Sanket Singh
			AMA by Sidhant Bansal & Arjun Arul: IOI and competitive programming for school students					
			Centroid Decomposition by Tanuj Khattar	String Hashing by Sidhant Bansal	Sorting & Searching by Riya Bansal	AMA by Nishchay Manwani & Tanuj Khattar: From CP Expert to an ICPC World Finalist		
Welcome Note						Segment Tree Beats by Tanuj Khattar	DFS & BFS Spanning Trees by Pulkit Chhabra	Introduction to Dynamic Programming by Arjun Arul
Persistent Data Structures by Tanuj Khattar	Introduction to Trees by Pulkit Chabra	Basic Programming Constructs by Sanket Singh	AMA by Sanket Singh - Placement Stretegy for intern and FTE roles					
			Introduction to Flows by Nishchay	Square Root Decomposition by Tanuj Khattar	STL by Sanket Singh	AMA by Riya Bansal - Women in Competitive Programming		
Linear Algebra by Nischay	Introduction to Segment Trees by Tanuj Khattar	Introduction to Complexity Theory by Arjun Arul				DP Optimizations by Arjun Arul	Basic/Intermediate Number Theory by Surya Kiran	Introduction to Graph Theory by Tanuj Khattar
Introduction to Biconnectivity by Sidhant Bansal	Introduction to Game Theory by Surya Kiran	Basic Maths by Pulkit Chhabra						
AMA by Surya Kiran & Pulkit Chhabra: Why CP is important for getting into FAANG companies						Closing Note		

Important Links

- Join the Discord Server: https://discord.gg/Yss5wTJzyr
- Youtube Channel: Learn Competitive Programming with CodeChef
- Unacademy Landing Pages for each track:
  - **Div1:** https://unacademy.com/a/i-p-c-advanced-track
  - **Div2:** https://unacademy.com/a/i-p-c-intermediate-track
  - **Div3:** https://unacademy.com/a/i-p-c-beginner-track
- **Note: Please attend the classes on unacademy if you are able to access it as the experience should be much better (polls, chat etc.)**

AMA Sessions

- Please fill out your questions in-advance via the links sent to you via email.
- You can also interact during the session by asking questions on Unacademy / Youtube chat.

LEARNCP Initiative by Codechef/Unacadmey

- https://unacademy.com/goal/competitive-programming/LEARNCP

Let the fun begin!