

1st Semester	Week 1	Introduction with competitive programming. Benefits, Future plan, How to start competitive programming, Whats the difference between normal programming? Etc
	Week 2	Data Type, Input Output, if Condition, loop, break continue, and or xor
	Week 3	1D array, 2D array, String, Introduction With Codeforces
	Week 4	Function, GCD LCM, Prime Number
	Week 5	Binary Search, Cumulative Sum Technique
	Week 6	Last Week before Mid: Advice, Problem solving, Contest
	Week 7	
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	Week 8	Introduction With C++: cin, cout, bits/stdc++, sort, swap
	Week 9	Number Theory Begins: Sieve, Number of divisors, sum of divisors
	Week 10	Euler Totient function, Bigmod, trailing zeros
	Week 11	Lightoj Contest+Problem Solving
	Week 12	Introduction with STL: vector, queue, stack, deque, lower bound upper bound, iterator
	Week 13	pair, Priority Queue, Set, Map, Ordered set(Not Much)
	Week 14	Contest and End of Semester
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2nd Semester	Week 1	Recap all about 1st semester
	Week 2	Beginnig of Graph Theory: How to save graph
	Week 3	BFS+DFS
	Week 4	Contest + Discussion of BFS DFS
	Week 5	Dijkstra, Bicoloring, Topological Sort, DSU
	Week 6	Floyd Warshall, Bellman Ford, Minimum Spanning Tree
	Week 7	Discussion on Graph+Contest
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	Week 8	Hard Part Begins: Recursion, Greedy, Task Sheduling
	Week 9	Dynamic Programming: Coin Change and its variance
	Week 10	DP Continues
	Week 11	DP contest + Discussion
	Week 12	Segment Tree (Sum,Min)
	Week 13	Segment Tree Lazy + Last 2 month Plan
	Week 14	IUTPC

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3rd Semester	Week 1	Square Root Decomposition + MO algorithm
	Week 2	Hashing + KMP + Trie
	Week 3	Orderd Set + Combi Tricks + Catalan NUmber + Stars and bars + Matrix Expo
	Week 4	Again Segment Tree + lazy + BIT
	Week 5	LCA
	Week 6	Bitmask Dp + other dp techniques
	Week 7	Convex Hull + Picks Theorem + Other Geometry Topic
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	Week 8	Fast Furiar Transform + Walshhadamard
	Week 9	Flow + BPM
	Week 10	Game Theory
	Week 11	Aho Corasick + Suffix Array
	Week 12	Heavy Light Trick + Meet In the Middle
	Week 13	DSU on tree +Spars Table
	Week 14	Digit Dp + SOS DP
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		Topic Left : Burnside Lema, Palindromic Tree, Rotating Callipars, 2 SAT, Ternary Search, Mo on tree, Mo with update, Centoied Decomposition, Milar Robin and so many more