***MANPUR CODERS II***

**Data Structures and Algorithms:**

**Topics to be covered upto 28th Feb 2021:**

1. C/C++ Pointer and Recursion revision

**Topics to be covered upto 31st Mar 2021:**

2. Stack

3. Queue

4. Linked List

**Topics to be covered upto 30th April 2021:**

5. Binary Search Tree

**Topics to be covered upto 31st May 2021:**

6. Binary Tree

**Topics to be covered upto 30th June 2021(Advanced i.e. optional):**

7. Special Trees:

A. Heap

B. AVL tree

C. Trie

D. Huffman code tree

E. KD tree

F. M-way search tree

G. BD tree

**Topics to be covered upto 31st July 2021:**

8. Graph

9. C++ STL(vector,map,set,stack,queue,list)

**References:**

1. All Practice problems, open topic wise: <https://www.geeksforgeeks.org/data-structures/>

2. NPTEL course : <https://youtube.com/playlist?list=PLBF3763AF2E1C572F>

3. GFG youtube lecture:

<https://www.youtube.com/c/GeeksforGeeksVideos/playlists?view=50&sort=dd&shelf_id=5>