



**Jaypee Institute of Information
Technology, Sector -128, Noida**

Project Synopsis

**Data Structures Lab, Special Semester
–2021**

Vaccine Distribution System

Group Members:

Name	Enrolment No
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Abstract of project:

An efficient program in which helps allotting slots for vaccination by considering many factors such as availability, age, RTPCR covid report, number of doses etc. The motive is to vaccinate all people in our dataset within 3 months. The allotment will be given based on priority. We will be using different search trees for each month. This search tree is now planned as AVL trees but can change as per requirement.

Tools and technologies:

- Code Blocks/MS VS compiler
- C++

Dataset description:

Sample dataset will include varying number of users. Each individual will be identified by his/her unique ID. This unique ID will be stored in an AVL tree and will act as the primary key for each person's information, stored in database. This information will consists of person's name, age, latest RTPCR test results and confirmation of first dose of vaccination.

REFERENCES:

1. <https://www.geeksforgeeks.org/avl-tree-set-1-insertion/>

DECLARATION BY THE STUDENTS

We the undersigned solemnly declare that the project report ***VACCINE DISTRIBUTION SYSTEM*** is based on our own work carried out during the course of our study under the supervision of <guide's name>. We assert the statements made and conclusions drawn are an outcome of my research work. We further certify that

I. The work contained in the report is original and has been done by us under the general supervision of our supervisor.

II. The work has not been submitted to any other Institution for any other degree/diploma/certificate in this university or any other University of India or abroad.

III. We have followed the guidelines provided by the university in writing the report.

IV. Whenever we have used materials (data, theoretical analysis, and text) from other sources, we have given due credit to them in the text of the report and giving their details in the references.

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