

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Synopsis**

**Course name: Mini Project in C Course Code: 19CSE39**

**Semester-III Duration: Oct 2021 – Jan 2022**

**Student details:**

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| **USN** | **Name of the student** | **Section** | **Date of Submission** | **Signature** |
| 1NH21CS413-T | ROSHANI RAVISH BORKAR | DIP |  |  |

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| **MINI PROJECT TITLE** | COLLEGE VACCINE REGISTRATION RECORD |
| **PROBLEM STATEMENT**  //Clear and precise description of the problem statement | * Students will forget their vaccination details like date and name of the vaccine. * To keep a track of the data of student this project will be helpful. * The vaccine registration system is a software that handles all the data related to vaccination. |
| **OUTCOMES**  //Very Specific outcomes. | * Create record * Add record * Display record * Search record * Delete record |
| **DETAILS OF DATA STRUCTURES** | Use of doubly linked lists to store the Student’s vaccination data in the form of files. There is use of files also in this project. Doubly linked list uses self-referential structure. |
| **SOFTWARE & HARDWARE REQUIREMENTS** | Hardware Requirements:   * A Personal Computer * Minimum of 2gb RAM * 64 bit Operating system * Windows 7 or above   Software requirements:   * Dev C or any other IDEs |

**Signature of Reviewer with Date**

**ABSTRACT**

The aim is to create database for maintaining records of our college student’s vaccine details. The database contains details of student name, ID number and their vaccinated details include vaccine type, no of dose and date of vaccination taken. The database can be tracked for student records modification and verification. The vaccine registration record is a software that handles all the data related to student’s vaccine details. It is a simple console application without graphics. The main features of this project include basic file handling operations. It uses files as database to perform file handling operations such as add, search, modify and delete records to manage students’ records. All added and edited records are saved in a file.