Database Management And Database Design

Covid Data Management System For The University

Project by

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Covid Data Management System For The University

Mission Statement:

Ensure smooth functioning and safe working conditions at the university by implementing a database management system that tracks, monitors, and controls the covid spread.

Mission Objective:

The main objective of this project is to unlock the University campus to full potential by keeping Coronavirus spread under control by carefully monitoring and tracking student well-being by leveraging the use of Northeastern University ID (NUID) and regular wellness check, we will ensure that this mission is accomplished.

Background:

A Coronavirus (Covid) outbreak has transpired over the past two years and since then, the infection is spreading rapidly worldwide, resulting in a lockdown of educational institutes, restaurants, offices, etc. As per safety precautions, people have been restricted from gathering in large numbers, required to wear masks, and sanitize themselves regularly. Since then, online instruction has been the new norm for all schools and universities to conduct classes. Now that the Covid has been broadly contained, universities are allowing students to return on campus. Thus, it is a need that proper precautions be taken to prevent cases from increasing. Furthermore, it is essential to maintain records of all students attending classes along with their regular body check-ups. With the help of this database, the management will be able to take quick action against students with symptoms and get them isolated as quickly as possible, thus preventing its spread.

Purpose:

- The purpose is to provide university staff with an easy-to-access database design platform and collect the covid related information of all university personnel.
- The database will allow recognizing the covid situation in and around campus with ease.
- To assist all the people facing covid problems with the information of nearby quarantine stations.

Scope:

- The database will be restricted to records including personal, class/course, and health information of faculty and students belonging to the university.
- Certain assumptions are taken into consideration - Students and Faculty must scan their IDs and record their body temperature before entering the classroom and premises.
- The database will not take into consideration hospital and medical health-related information but will provide information on quarantine facilities.