**1. Introduction**

**1.1 Purpose of this document**

This SRS Document aims at bringing detailed overview of our Software Project, **’COVISAFE’**, its features, goals and parameters. The target audience of the project is all the students and college health authorities in times of pandemic. It is designed so as to provide a clarity about the model and its specifications.

**1.2 Scope of the Project**

The goal is to design software for the campus authorities which keeps a track of all the positive students in the campus itself. In this, students would be able to contact to health authorities in case of any medical emergency and also maintains the central repository (database server) of all infected students which will be updated on daily basis to provide exact and truthful data.

Information gathered through such online portal would also help authorities to closely monitor the activities going on in the times of pandemic.

At the time of launch, this software will be focused on fighting covid in the campus. In the absence of covid, this app and some of its features will be changed to serve as a general health portal adapting to its time.

/\*The software aims at fulfilling the below mentioned objectives as well\*/

**1.3 Objectives of the Project**

1. **Database Server:** It keeps track of all the infected students in the campus. A student when tested positive, or who suspects him/herself to be covid positive awaiting test results, will be entered into the database along with Hostel information, contact details, guardian details and student credentials.

2. **Medical Record:** The medical record of the infected students is maintained which can be referenced in the future.

3. **Advisory Portal and Online Appointment Facility:** It can be used to provide emergency medical help and suggest the precautions required to avoid community transmission. This portal would be collaborated with the counselling cell of the college and would provide online appointment facility whenever required.

4. /\* It caters the needs and necessities of all the quarantined students.

**1.4 Problem Statement**

As much as covid affected our college life, a software that helps to track positive as well as exposed people and caters to the needs of those in isolation is of prime importance.

The students need to be kept up to date on how many in the campus have covid. Without this, a person may be next to the room of someone recently tested positive and the person might not even know it. Having the latest information available will help students practice smarter social distancing around those who have tested positive or those who suspect themselves to be covid positive awaiting test results.

This software solves all these problems and would provide efficient healthcare management in times of pandemic.

**1.5 Flaws in other model (Motivation)**

The government authorized similar area projects such as ‘Aarogya Setu’ aims to track the record of all the infected people in the whole country.

Whereas, our software operates in smaller area and hence provides a more personalized and localized approach in a campus or related area. Such approach would provide more efficient data and health advisory portal would benefit the target audience.

**1.4 Design and Implementation**

The basic design includes different modules for the prior mentioned objectives which include a web advisory portal, a database server and homepage of the web app.