

Software Bid/ Project Teams

UCS 503 - Software Engineering Lab

Group:2CS8

Dated: 03/02/2022

Team Name: CuriousBots

Team ID (will be assigned by Instructor): 2

Please enter the names of your Preferred Team Members.

- You are required to form **a three to four person** teams
- Choose your team members wisely. You will not be allowed to change teams.

Name	Roll No	Project Experience	Programming Language used
Gaurav Gupta	102197018	Weather Forecasting App using API, Fire Emergency Alarm using Arduino, Automated Hand Sanitizer Dispenser, Library Management System.	C, C++, Java
Stuti Wadhwa	102197024	Designed a working mangonel project with coding on Arduino to determine projectile range	C, C++
Ahmed Kamruddin	102197020	Temperature controlled fan using Arduino, Projectile Configuration using Arduino	C, C++
Sandhya Goyal	102017182	Covid Room with social Distancing and Alarm systems, Webpage designing	C, C++

Programming Language / Environment Experience

List the languages you are most comfortable developing in, **as a team**, in your order of preference. Many of the projects involve Java or C/C++ programming.

- 1.C++
- 2.C
- 3.Java

Choices of Projects:

First Choice	<p><u>COVISAFE:</u></p> <p>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.</p> <p>This software aims at maintaining a database of all the positive students on campus, their contact tracing, several lists of isolated and quarantined students spanning all the hostels and would also cater to the needs and necessities of the positive students. It would also have a health advisory portal, enabling students to contact medical workers in case of any emergency at any time of the day. This would be further strengthened by a notification system that timely informs the respective caretakers, wardens and guardians of the health condition of students. Students would be able to avail ambulance facility through the app in case of any exigency. This software would not only track positive patients and cater to their needs, but would also help prevent the spread of covid, which is the need of the hour today. Also, a student's medical record would be readily available to the medical staff.</p> <p>During the dormancy of covid, the features of this app would still remain relevant as the required officials and health workers would be notified if any student falls sick on campus. Students could avail delivery services from COS, G-block and other shops in the campus.</p>
Second Choice	<p><u>HOSTEL ALLOTMENT:</u></p> <p>Students are required to enter their credentials, hostel preference and room type. Selection of room would be similar to the interface of airplane seat booking. Students could also include other details such as floor no., roommate and also if they would like to book rooms next to one another. This would ensure that each student gets an opportunity to stay with his or her friends. The allotment procedure would entirely be online as the document verifications would be digitally managed and controlled.</p> <p>In addition, Thapar would have its own portal for hostel allotment and would no longer have to rely on google forms</p>
Third Choice	<p><u>THAPAR FOOD DELIVERY SYSTEM:</u></p> <p>A centralized software for easy, contact-free and efficient food delivery across the Thapar campus, be it a tiring day, a sudden craving for a cheat meal or a party with friends, this delivery system takes care of all your dining needs. In times of pandemics like covid, it becomes necessary to ensure contact-free food delivery. The proposed software will have a rating system, a dedicated food blog for the aspiring bloggers of tomorrow. Service would include dine-in, pick-up and delivery.</p>

Fourth Choice	<p><u>MESS MANAGEMENT:</u></p> <p>Students would be able to vote monthly for items they want in the menu of their respective hostels. This would also serve as an app through which feedback on the meal is provided. Students could also add/replace items they feel like should be on the menu by voting on it.</p> <p>In case a student is unwell, he/she may request for special food to be made which would avoid having to stay in mess longer than needed.</p>
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Additional Remarks/ Inputs

Please tell us about any other factors that we should take into consideration (e.g., if you really would like to work on a project for some particularly convincing reason).

In recent times, people witnessed their personal and professional lives crippled by the pandemic. Similarly, COVID-19 has affected our lives as well. The motivation behind this project of ours (COVISAFE) is to help the students and administration in the campus to cope up with the situation. The project aims at providing effective solutions to some of these problems faced and to ensure safety in times of community transmission.