**Minor Project (CS6C06)**

**Synopsis**

Finalized Project title: **“Spread Smiles”**

Finalized Team Details:

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| **S.No.** | **USN** | **Name** |
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We all have been affected by the current COVID-19 pandemic. However, the impact of the pandemic and its consequences are felt differently depending on our status as individuals and as members of society. In these tough times, We thought of building a project which helps those people who are in need of essentials like food and medicines. The title of our project is “Spread Smiles”. This project aims to donate excess food and medicines. This project provides an online platform in the form of a website to connect the help providers and help seekers. This website reduces the efforts to provide or get help personally in offline mode.

These days, there are many COVID patients who are in need of food but on the other hand, a lot of food is being wasted in restaurants and households. Also, a lot of medicines is going unused in many households. Thus, our system provides solution to this problem.

Although there are similar websites to donate excess goods, most of them don’t allow individuals to donate small amount of goods.

This project basically aims to donate excess food and the medicines which are unused. This application connects the people who have excess food and who are in need of food. Then the unused medicine can be donated to NGO for further utilization by a needy person. This project overcomes the rejection of small contribution of food and medicines, we collect all amounts of food from any individual. This project also contains delivery facility by the available volunteers, in the cases where donor and recipient are not able to contact each other.

There are 2 interfaces: ADMIN and USER.

In **admin** interface, the admin can login and manage many things like,

he can block members who are making fake request for food/medicines, he can select one among many NGOs’ applications for weekly medicine drive, he can also get the weekly report of medicine donations.

In **user** interface, there will be 3 roles:

**Donor:** one who has food/medicines can post it in our website. In case of food donation, they have to provide some essential details like name, address, number of people it can serve and if they can deliver or not. In case of medicines, they have to provide details pertaining to medicine name, quantity and expiry date.

**Recipient:** the individuals/organizations who are in need of food can see the posts posted by donors and select any one of them. For food, anyone can apply regardless of individual or organization, but for medicines, only NGOs can apply.

**Volunteer**: If neither of them, i.e., the donor who has food can’t deliver and the recipient also can't go and collect it, these volunteers can take up this work by registering themselves. They are also responsible for collecting medicines that have been posted on the site on weekends and each week those unused medicines will be given to selected NGO by admin.

Software Used:

This project is being built using Nodejs and HTML, CSS, Javascript for User Interface design. The database used with this project is Mongodb. The preferred IDE is Visual Studio Code.

System Requirements:

Standard machine is required to run this application, Standard internet connection, Hard disk- 2 GB or higher, RAM- 2GB or higher, Processor- Dual core 1.3 GHz or above.

The COVID-19 pandemic is one of the worst health and economic crises in modern history. As we are all in these tough times together, this project is our idea to encourage small donations and help the needy. In this collective fight against COVID-19, no amount is small to make a difference. Our website will be easily accessible by everyone and all the donations on this website will be genuine and transparent. This website makes helping each other easier, which is what exactly is needed in the current time.