

Messy

This project basically aims to cure the mess woes of our students in IIT Delhi. We all know that it is very frustrating for us to stick to our particular mess and not go to other hostel's mess. Also, currently we can't even opt out of eating at our mess which results in huge loss for us as often we don't eat in our respective mess. So to solve this problem we propose a project which is -

We will build a web portal that basically has the data of where every student in IITD will eat (eg. Kumaon mess, Kara mess, Aravali mess etc.). Every student will set the default mess that they want to eat. They can also change their mess preference for the day before 24 hours before of that day. Now our server will send a list of students to every hostel of students who will eat at their mess and this will enable them to prepare food accordingly and thus this will also minimize the wastage of food in our hostels. After that students will go to the messes that they opted for and will authenticate themselves using a unique alphanumeric 4 digit code (we can setup dedicated login machines for this so that authentication is buttery smooth . Also app can be developed to show the qr code which will enable students to just flash their phones and authenticate themselves.).

Students will also have options to opt out of eating at any mess and also there will be variable pricing in every mess according to the popularity so that messes have a lot of incentive to improve their food quality. Also, we have thought up an algorithm which will place a cap on the maximum number of students that can eat in the mess but still ensure that every student has a place to eat in the mess.

Now for the actual design of the project - We will make a website that will allow login to iitd students where they can see which mess have which menu and decide where will he eat the next day. He can also set up default messes so that if he doesn't make any changes then the system will assume that he will eat at his default mess and generate list of students accordingly. It will be a simple clutter free UI and the website will be hosted on a django server. We are planning to use RESTful api for machines at messes to get the list of students who will eat at their messes.

We believe that this project can solve one of the most major problems of students at iitd i.e. FOOD and thus we aim to actually implement it in our campus.