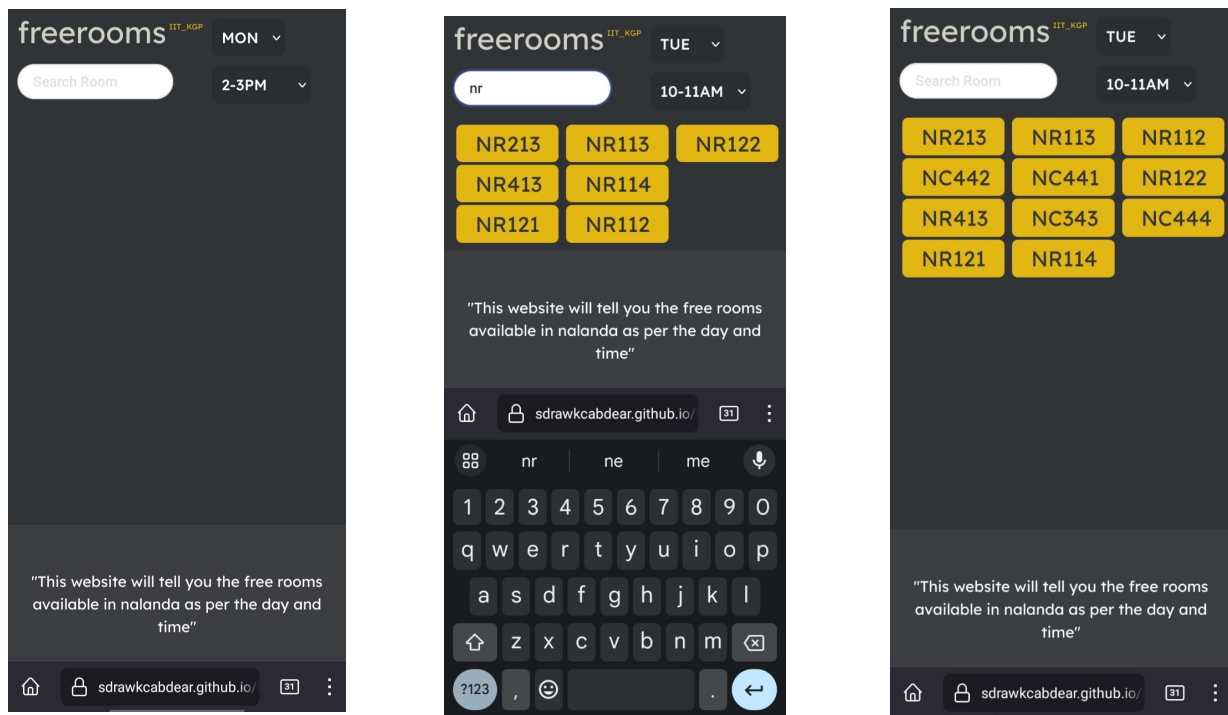


FreeRooms KGP:

This project was developed by me and my friend Karan Kumar from my department. The objective of this website is to provide the free rooms which are available during the class hours in Nalanda complex. For the people from KGP, we all must have gone through the problem where we have one hour gap between the classes and we needed a place to crash but we were too tired to search for a room. To solve this problem we have come up with a solution where we provide you with the free rooms available according to the time and day you select.

The frontend was designed and implemented by me, and the data scraping and pre-processing was done by Karan. The tech-stack used for the frontend was HTML, CSS, JS and react, and for data scraping Selenium and BS4 libraries from python. This is an interactive website which I hope will help you during your stay in KGP.

I'll give you a short description on how to use the website:



The first image shows you the starting page when you open the website. As you can see there will be two filters which you can select to specify the time and day which you want to see. After you select the values you will see the available rooms. You can also search for specific rooms by typing the code in the search option, e.g. for NC1 will give you all the first floor NC rooms which are available.

A substring matching algorithm was used to find all the strings with matching substring.