MINI PROJECT
(2020-21)
ATTENDANCE MANAGEMENT SYSTEM

MID-TERM REPORT

Institute Of Engineering & Technology

Submitted By:

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Contents

1. Abstract

The Attendance management system is a web-based application developed for daily student attendance in schools, colleges, and institutes. It facilitates access to the attendance information of a particular student in a particular class. The information is sorted by the operators, which will be provided by the teacher for a particular class. This system will also help in evaluating the attendance eligibility criteria of a student.

The purpose of developing attendance management systems is to computerize the traditional way of taking attendance. The purpose of developing this application is to generate the report automatically at the end of the session or in between the session.

The scope of the project is the system on which the application will run online, i.e. the project is developed as a desktop application and it will work for a particular institute. But later on, the project can be modified to operate as a mobile application.

To overcome the problems of manual attendance, we have developed a "Web-based Attendance Management System". The Attendance Management System is based on a web server, which can be implemented on any computer. This application, python is a server-side language, MySQL and Django are used as back-end design, and HTML, CSS, and JavaScript are used as front-end tools. The system communicates with databases residing on a remote server. It calculates automatically the attendance percentage of students without any manual paper-based work. The system facilitates the end-users with interactive design and automated processing of attendance management.

2. Introduction:-

2.1 General Introduction Of Topic

In this project, we are targeting to create a unified Attendance Management System using information technology for different purposes in an organization.

2.3

Hardware Requirements:

- External Hard Drives or DVDs
- Internet
- Minimum 2GB RAM
- I3 Processor
- 1024 x 765 Display

Software Requirements:

- Operating Systems(Windows 7 or above)
- Programing language(JAVA/Python)
- Front End(HTML, CSS, JAVA Script, Bootstrap)
- Back End(Django)
- Tools(VS Code, Sublime Text Editor, Xampp)

3. Problem Statement:-

There are some problems in the conventional attendance tracking system like one is missing out a student's name, while the other leads to a false attendance record. Another issue of having the attendance record in a hardcopy form is that a lecturer may lose the attendance sheet.

For student attendance analysis, to obtain the student attendance percentage, manual computation has to be performed by faculty.

Technological improvements can be useful tools to help in the development of new systems to eliminate the disadvantages of classical methods while enhancing its advantages.

4. Objective:-

This system is going to increase productivity, reduce overtime, and the retirement of legacy systems, Elimination of paper costs, and which can provide all the reports on demand. In this system, faculty has to take attendance manually, only these records have to be entered into the computerized system. But in this also, the problem of data entry mistakes may occur. Then also, corrections would be easy as well.

5. Implementation Details:-

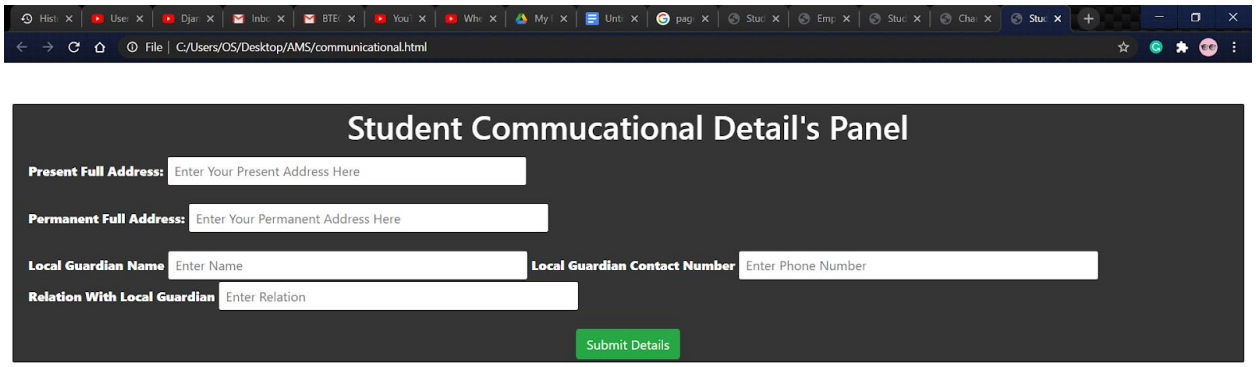
A lecturer needs to authenticate himself by entering his username and password. The password entered and is authenticated by querying the database. If the response is positive, it is redirected to 'take attendance panel' where the lecturer needs to enter the subject name for which he wants to take attendance validated using a database. If it matches, the teacher is allowed to take attendance for that particular subject which then gets stored in the database.

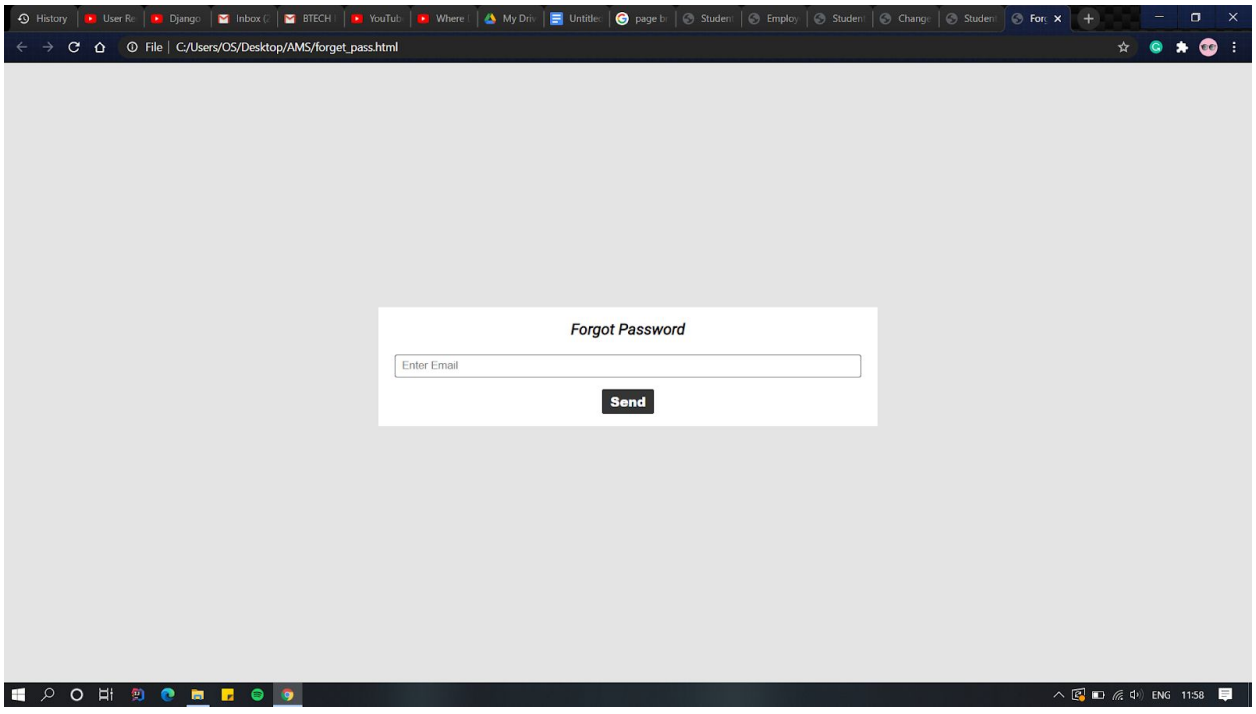
6. Progress Till Date & Remaining Work:-

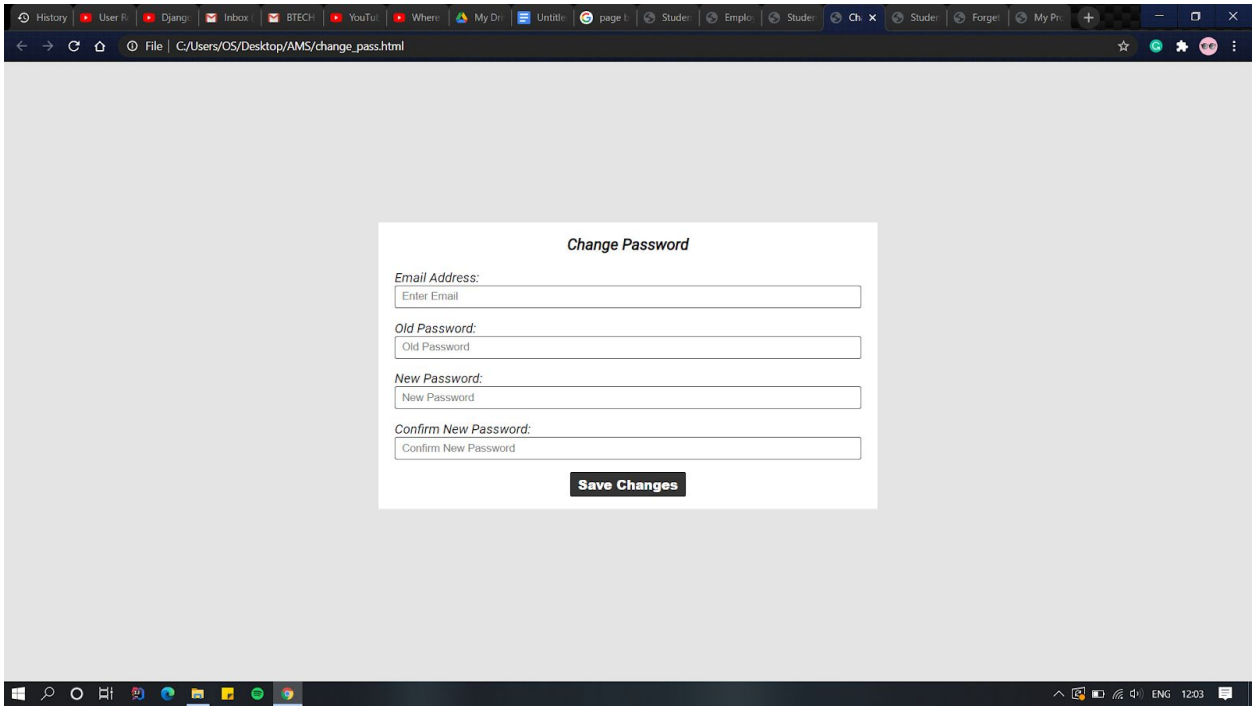
In our Attendance Management System application, we have completed the Front-end for our web application.
We have also inter-linked all the pages so that they respond to each other.
We have used HTML, CSS, JAVA Script, and Bootstrap for Front-end purposes.

We are going to coordinate the layout and design of our frontpages more effectively.
Furthermore, we are going to use Django for the Backend of our web application.
We are also making the databases to store all the attendance related information for the same.
We are going to link the backend and frontend together so they may respond to each other well.

7. Screenshots:-



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Change Password
Email Address:
Enter Email
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New Password
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Confirm New Password
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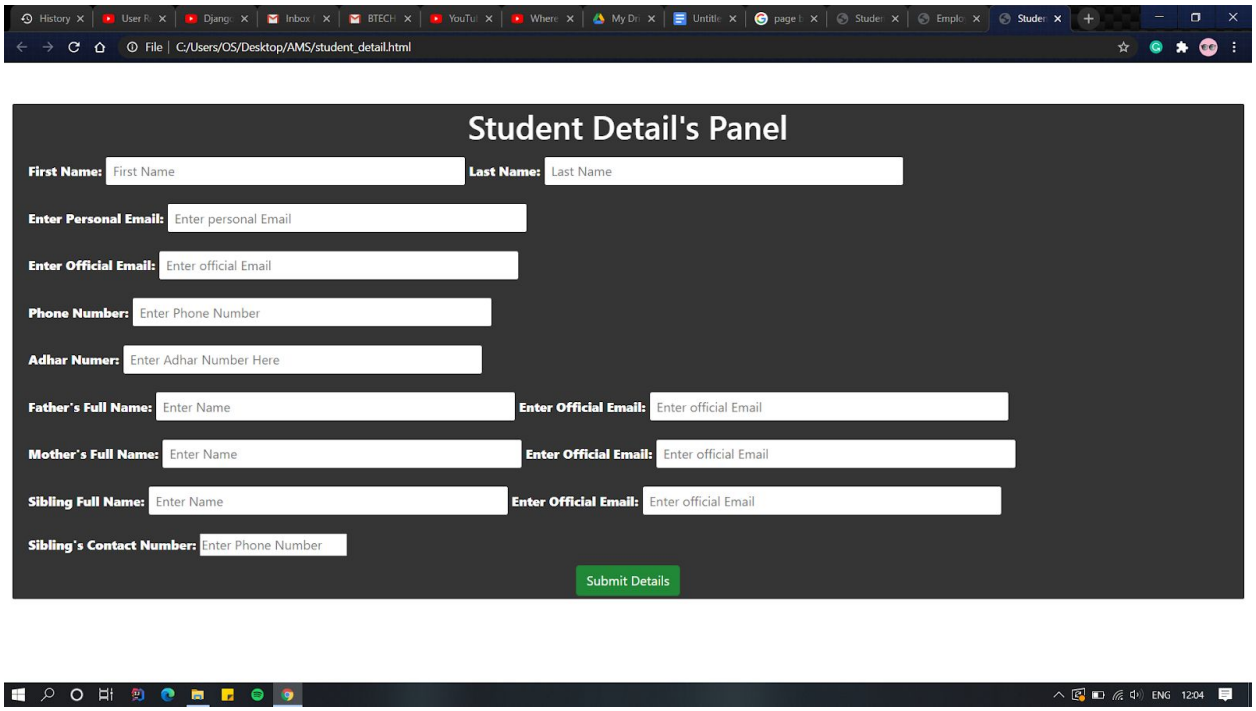
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Student Detail's Panel
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Adhar Numer:
Enter Adhar Number Here
Father's Full Name:
Enter Name
Enter Official Email:
Enter official Email
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Enter Name
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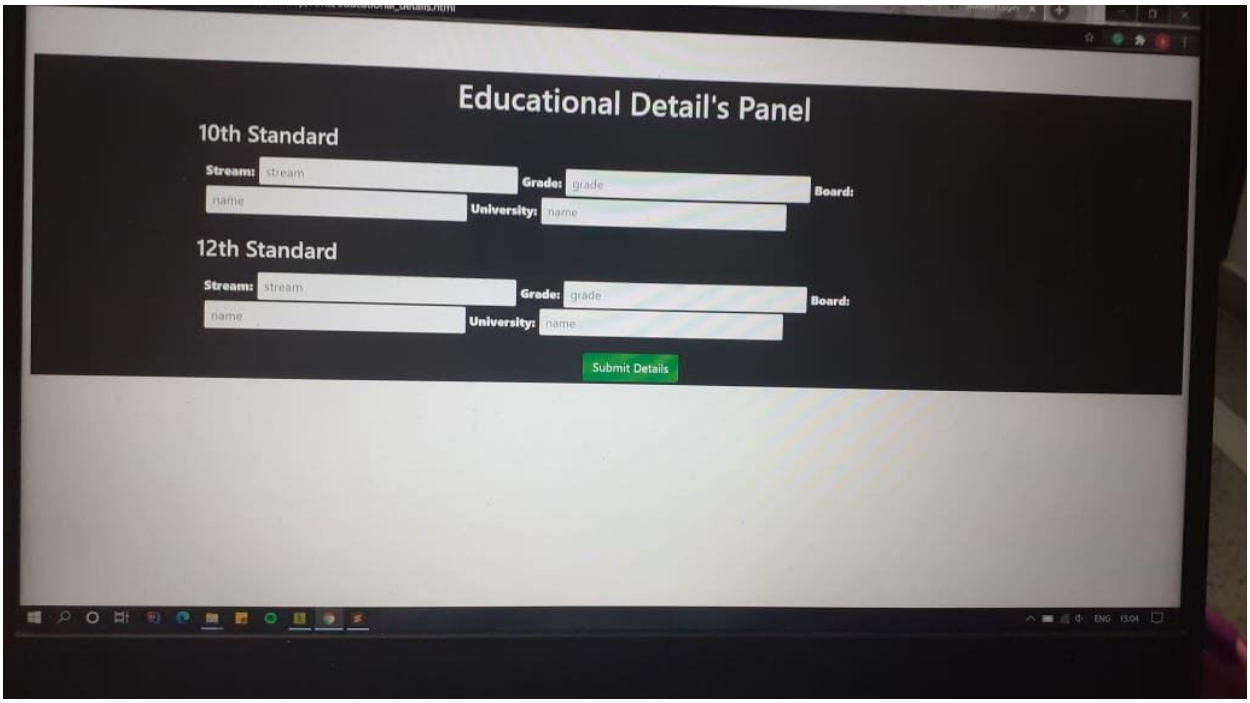
Enter Phone Number
Submit Details


Educational Detail's Panel
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University:
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University:
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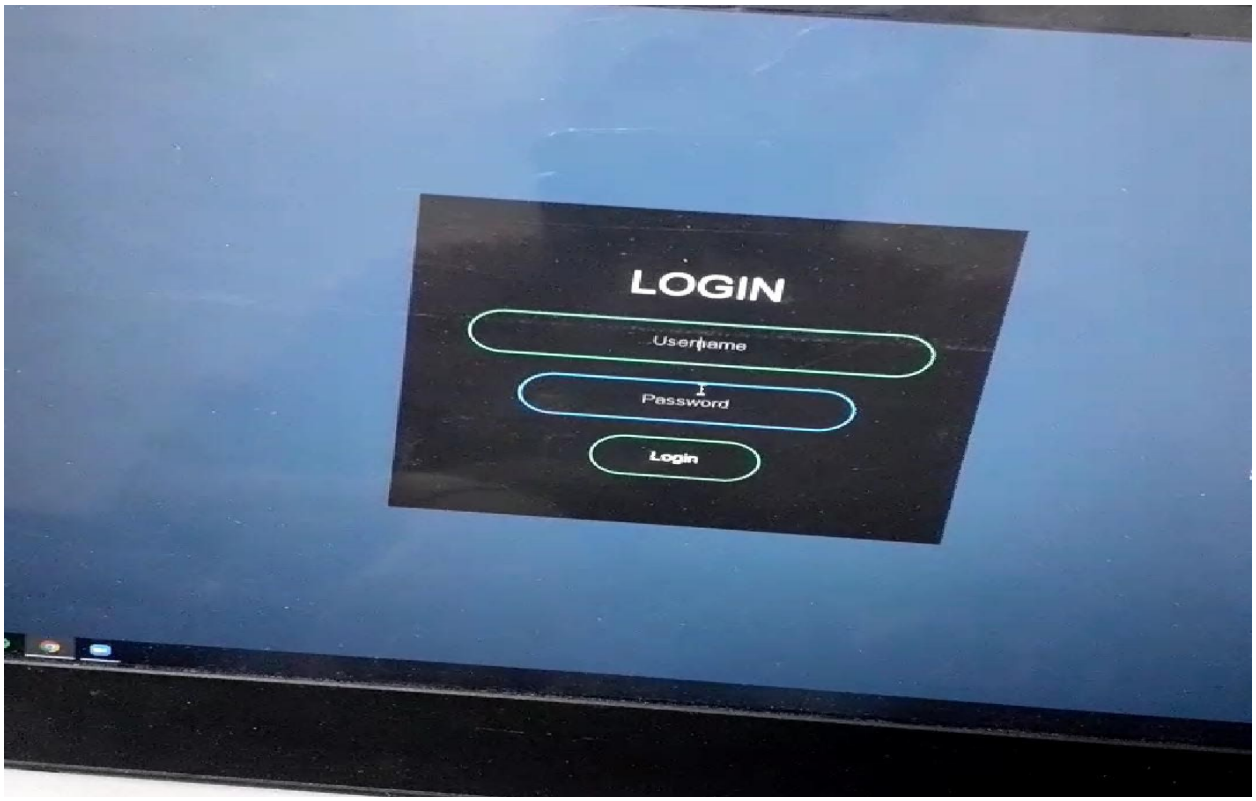
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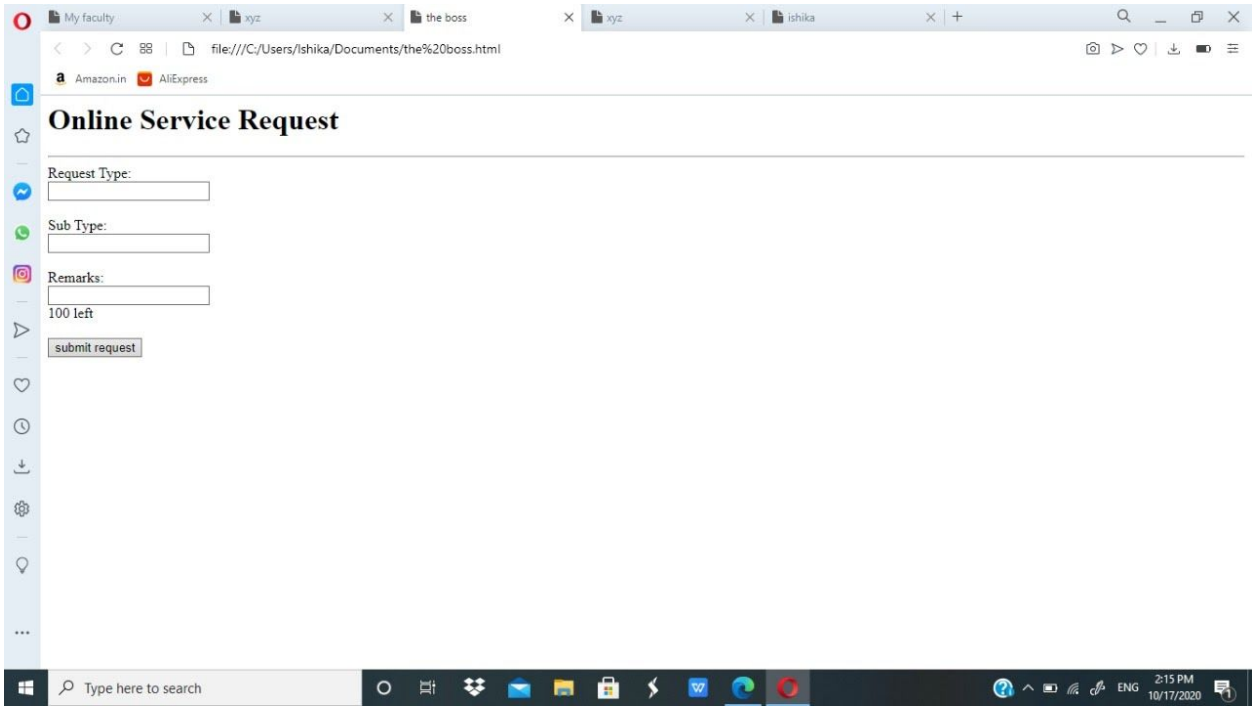
Username
Password
Login


My faculty
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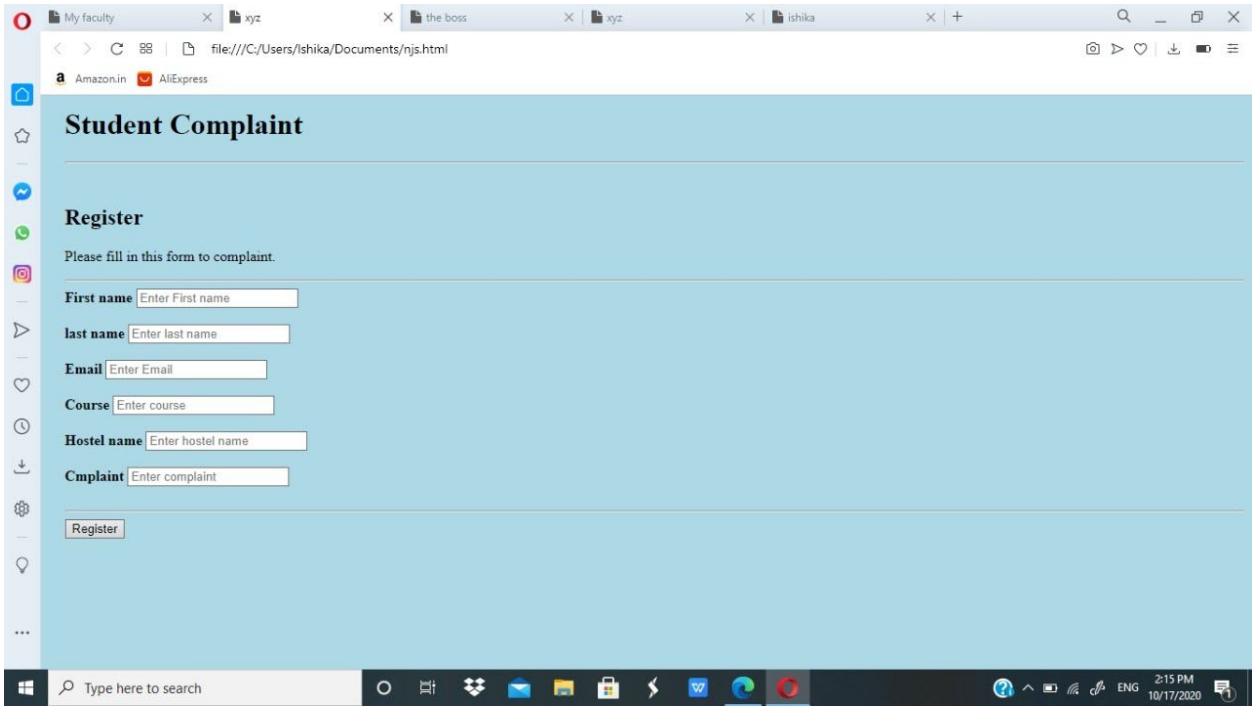
My faculty
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the boss
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Amazon.in
AliExpress
Student Complaint
Register
Please fill in this form to complaint.
First name
Enter First name
last name
Enter last name
Email
Enter Email
Course
Enter course
Hostel name
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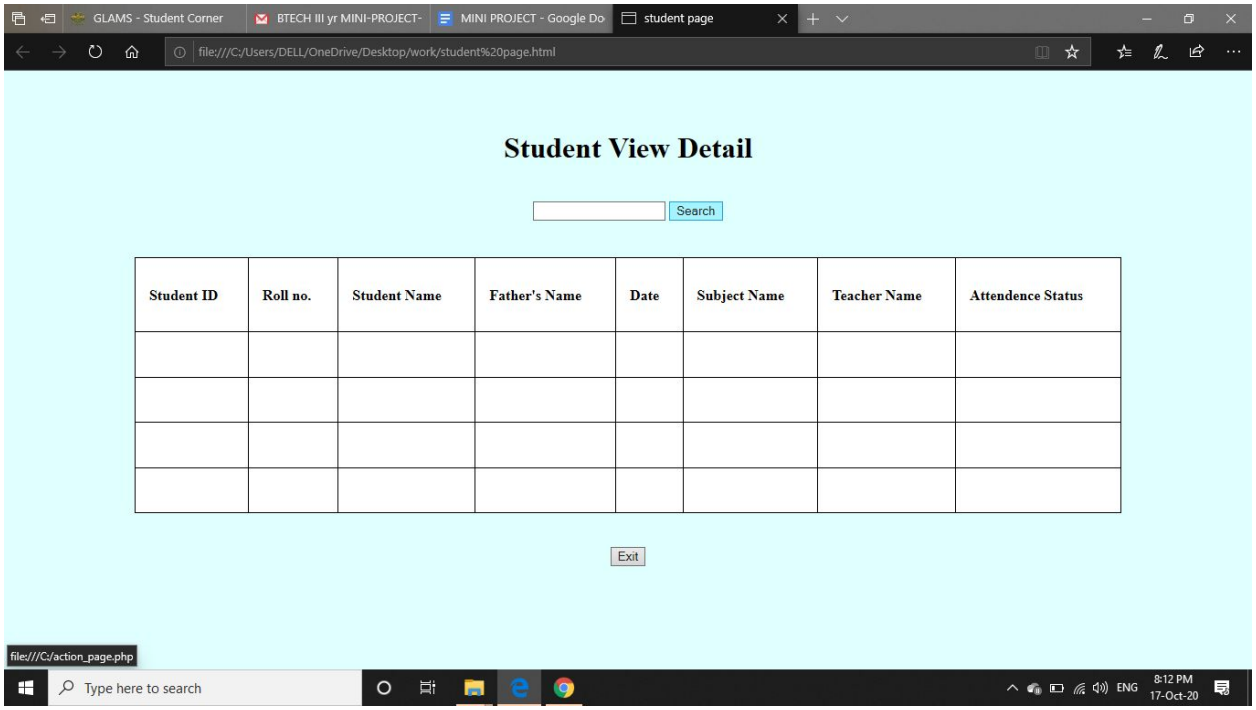
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MINI PROJECT - Google Do
student page
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Student View Detail
Search
Student ID
Roll no.
Student Name
Father's Name
Date
Subject Name
Teacher Name
Attendence Status
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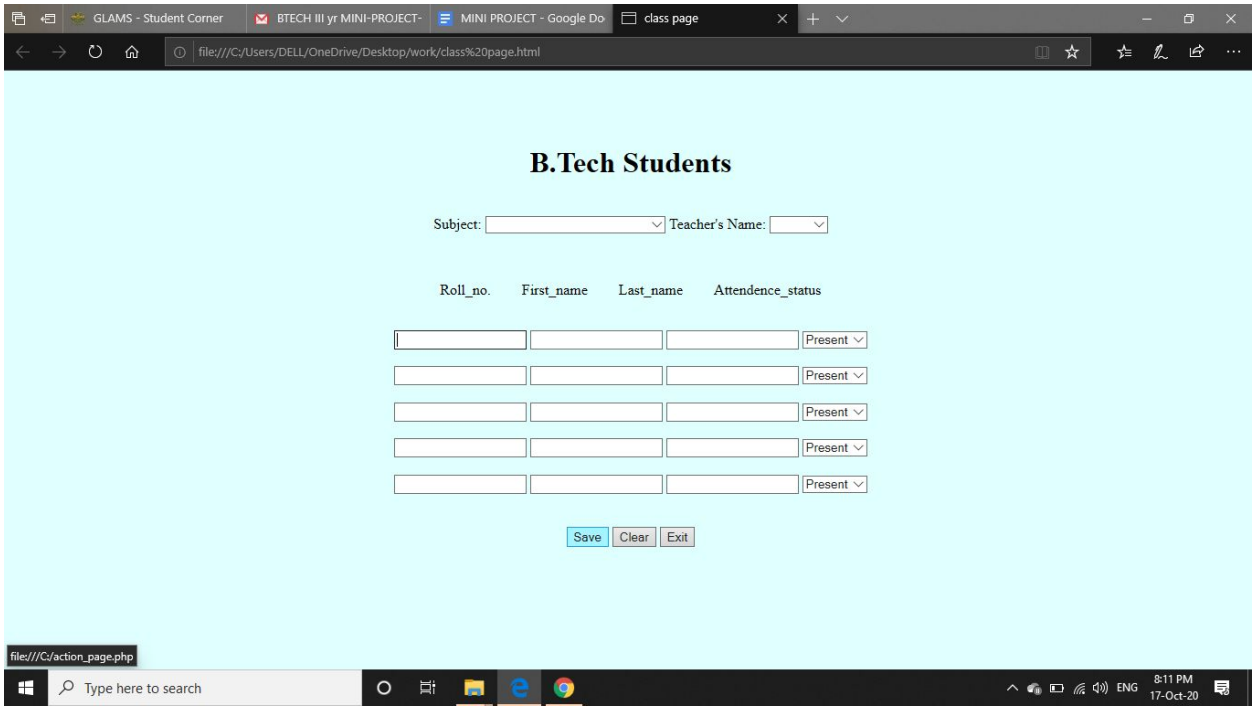
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B.Tech Students
Subject:
Teacher's Name:
Roll_no.
First_name
Last_name
Attendence_status
Present
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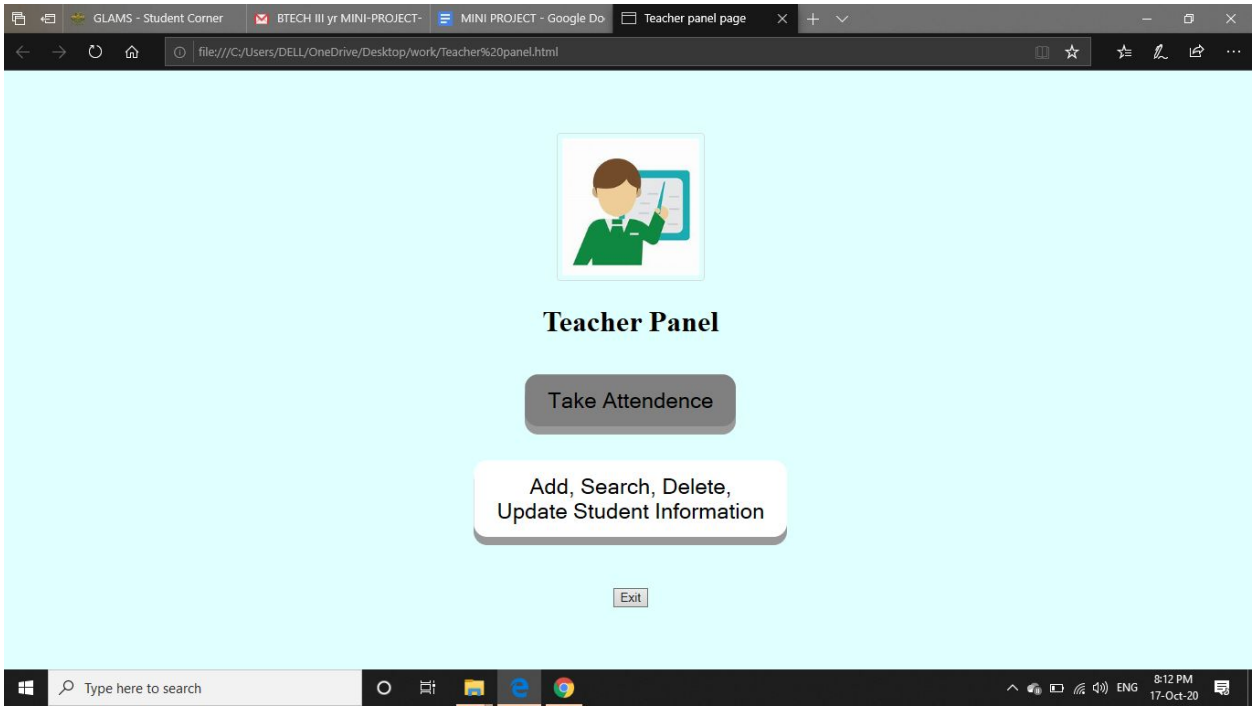
GLAMS - Student Corner
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MINI PROJECT - Google Do
Teacher panel page
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Teacher Panel
Take Attendence
Add, Search, Delete,
Update Student Information
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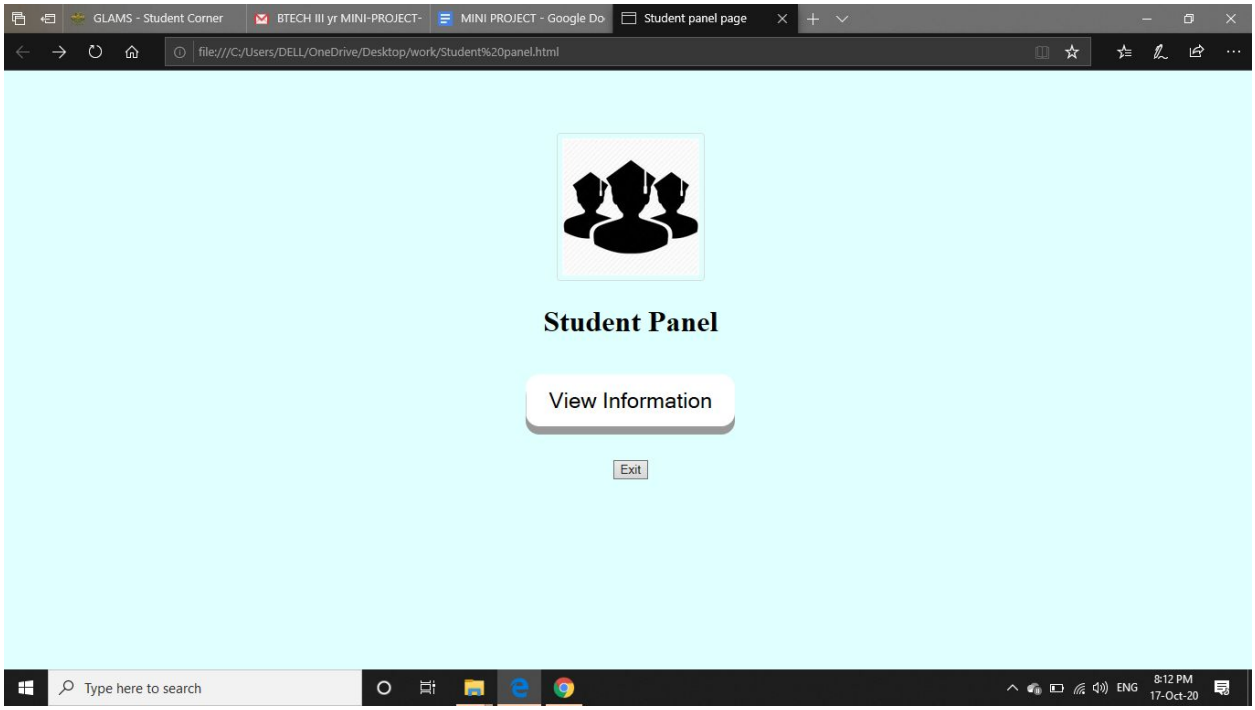
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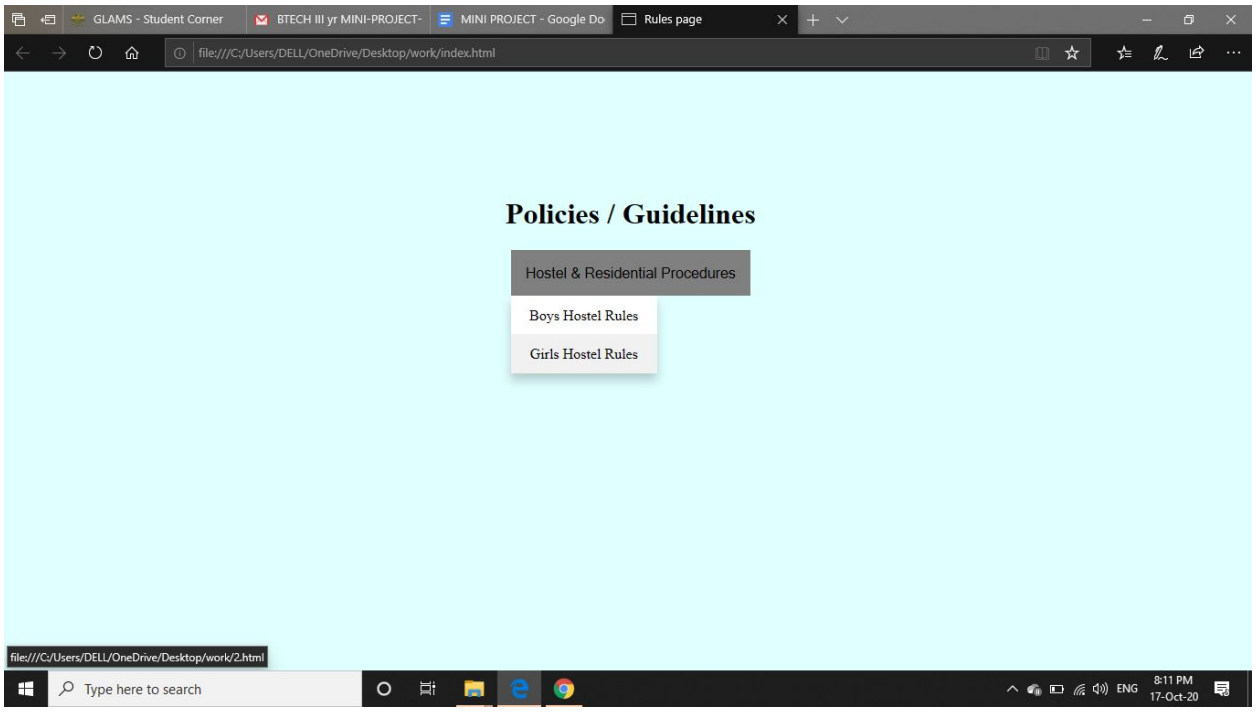
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Rules page
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Policies / Guidelines
Hostel & Residential Procedures
Boys Hostel Rules
Girls Hostel Rules
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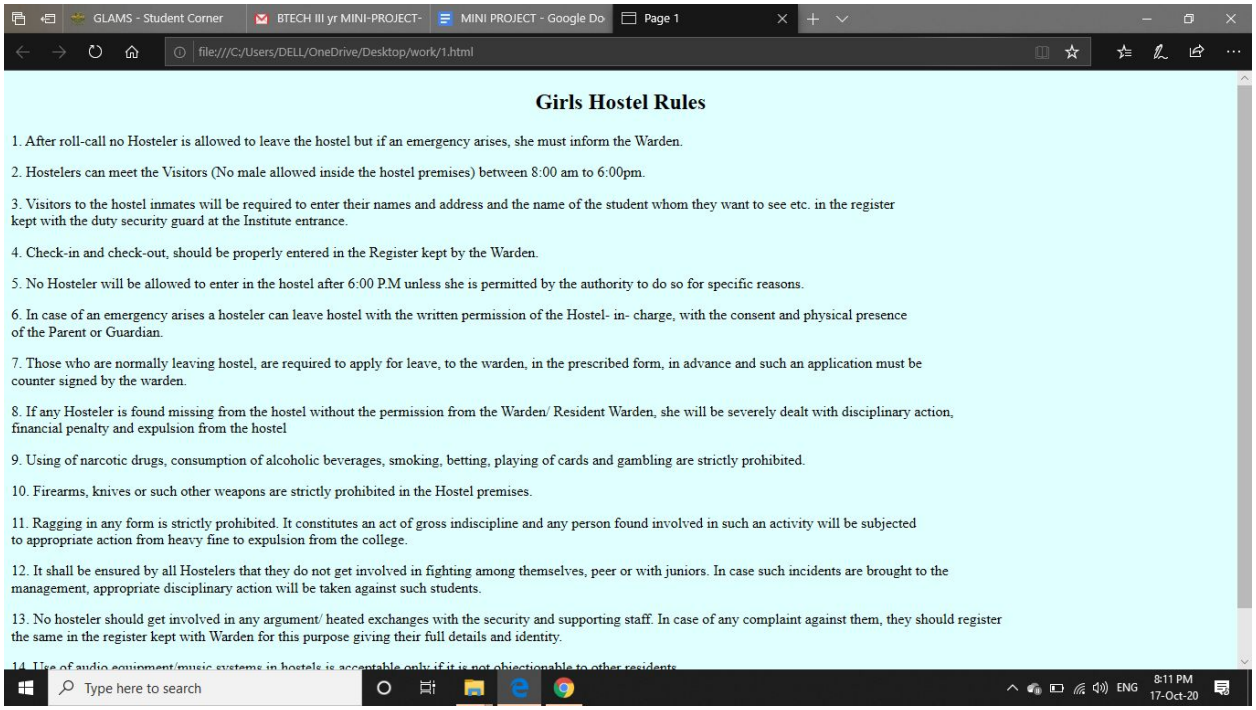
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Page 1
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Girls Hostel Rules
1. After roll-call no Hosteler is allowed to leave the hostel but if an emergency arises, she must inform the Warden.
2. Hostelers can meet the Visitors (No male allowed inside the hostel premises) between 8:00 am to 6:00pm.
3. Visitors to the hostel inmates will be required to enter their names and address and the name of the student whom they want to see etc. in the register kept with the duty security guard at the Institute entrance.
4. Check-in and check-out, should be properly entered in the Register kept by the Warden.
5. No Hosteler will be allowed to enter in the hostel after 6:00 P.M unless she is permitted by the authority to do so for specific reasons.
6. In case of an emergency arises a hosteler can leave hostel with the written permission of the Hostel- in- charge, with the consent and physical presence of the Parent or Guardian.
7. Those who are normally leaving hostel, are required to apply for leave, to the warden, in the prescribed form, in advance and such an application must be counter signed by the warden.
8. If any Hosteler is found missing from the hostel without the permission from the Warden/ Resident Warden, she will be severely dealt with disciplinary action, financial penalty and expulsion from the hostel
9. Using of narcotic drugs, consumption of alcoholic beverages, smoking, betting, playing of cards and gambling are strictly prohibited.
10. Firearms, knives or such other weapons are strictly prohibited in the Hostel premises.
11. Ragging in any form is strictly prohibited. It constitutes an act of gross indiscipline and any person found involved in such an activity will be subjected to appropriate action from heavy fine to expulsion from the college.
12. It shall be ensured by all Hostelers that they do not get involved in fighting among themselves, peer or with juniors. In case such incidents are brought to the management, appropriate disciplinary action will be taken against such students.
13. No hosteler should get involved in any argument/ heated exchanges with the security and supporting staff. In case of any complaint against them, they should register the same in the register kept with Warden for this purpose giving their full details and identity.
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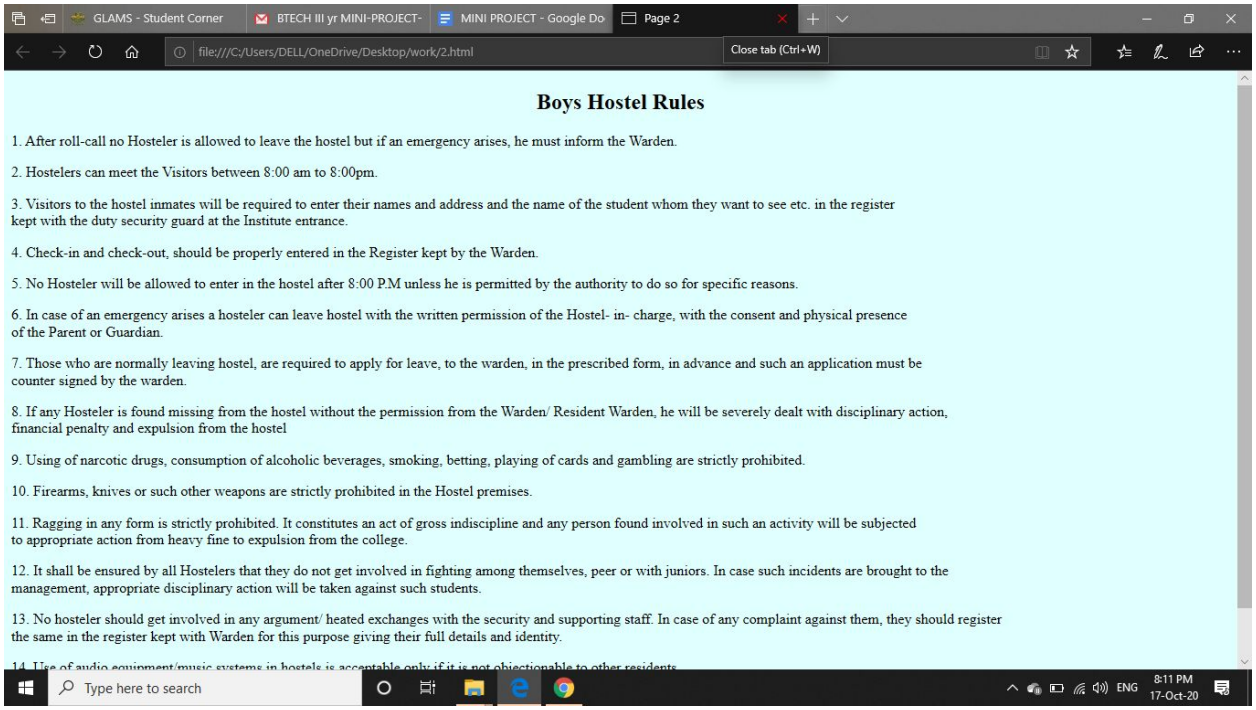
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Page 2
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Boys Hostel Rules
1. After roll-call no Hosteler is allowed to leave the hostel but if an emergency arises, he must inform the Warden.
2. Hostelers can meet the Visitors between 8:00 am to 8:00pm.
3. Visitors to the hostel inmates will be required to enter their names and address and the name of the student whom they want to see etc. in the register kept with the duty security guard at the Institute entrance.
4. Check-in and check-out, should be properly entered in the Register kept by the Warden.
5. No Hosteler will be allowed to enter in the hostel after 8:00 P.M unless he is permitted by the authority to do so for specific reasons.
6. In case of an emergency arises a hosteler can leave hostel with the written permission of the Hostel- in- charge, with the consent and physical presence of the Parent or Guardian.
7. Those who are normally leaving hostel, are required to apply for leave, to the warden, in the prescribed form, in advance and such an application must be counter signed by the warden.
8. If any Hosteler is found missing from the hostel without the permission from the Warden/ Resident Warden, he will be severely dealt with disciplinary action, financial penalty and expulsion from the hostel
9. Using of narcotic drugs, consumption of alcoholic beverages, smoking, betting, playing of cards and gambling are strictly prohibited.
10. Firearms, knives or such other weapons are strictly prohibited in the Hostel premises.
11. Ragging in any form is strictly prohibited. It constitutes an act of gross indiscipline and any person found involved in such an activity will be subjected to appropriate action from heavy fine to expulsion from the college.
12. It shall be ensured by all Hostelers that they do not get involved in fighting among themselves, peer or with juniors. In case such incidents are brought to the management, appropriate disciplinary action will be taken against such students.
13. No hosteler should get involved in any argument/ heated exchanges with the security and supporting staff. In case of any complaint against them, they should register the same in the register kept with Warden for this purpose giving their full details and identity.
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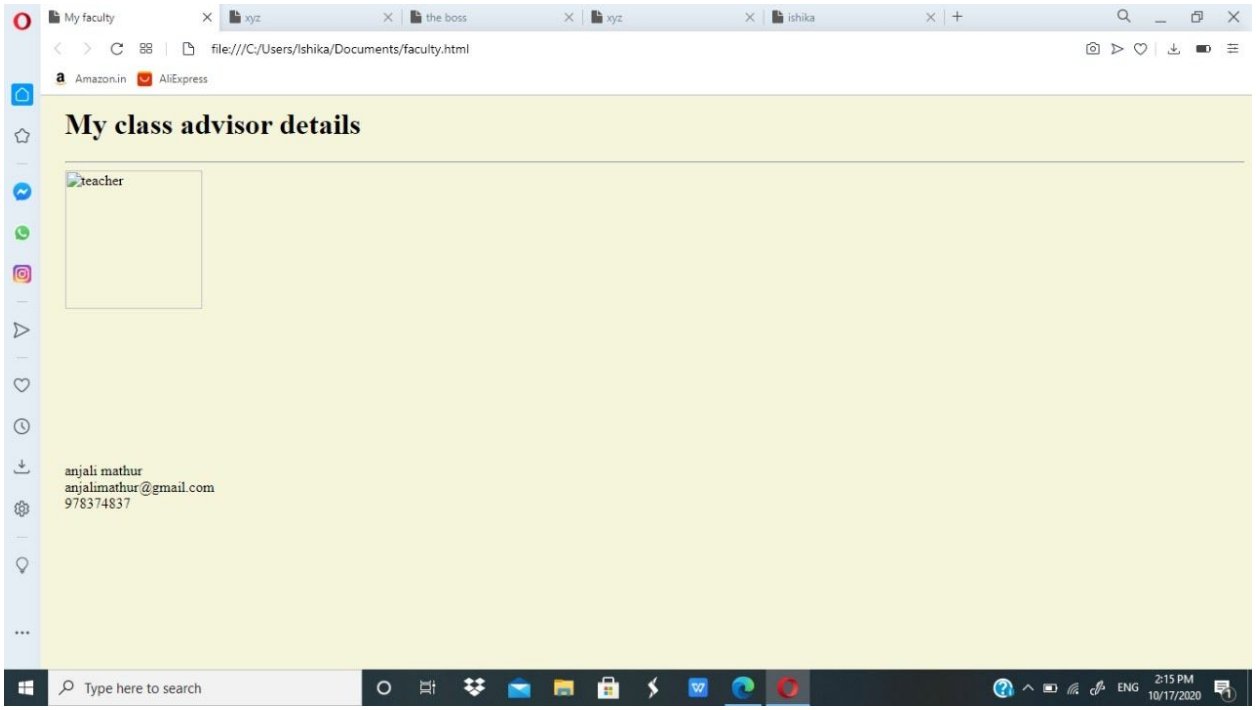
My faculty
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My class advisor details
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anjalimathur@gmail.com
978374837
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8. References:-

- Book References(Web Engineering Book)
- www.w3school.com
- www.javapoint.com
- www.udemy.com
- www.youtube.com
- www.geeksforgeeks.com
- Faculty Guidelines: Mr. Sharad Gupta