UNIVERSITY INSTITUTE OF COMPUTING

Project Synopsis:

ONLINE CANTEEN MANAGEMENT SYSTEM

Submitted By

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Submitted to:

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DECLARATION

We hereby declare that the work which is being presented in the Mini Project “CANTEEN Management System”, in partial fulfillment of the requirements for Mini Project viva voce, is an authentic record of our own work carried under the supervision of “Mr. AkashChoudhary”.

Signature of Candidate:
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Course: B.Tech. (CSE)
Year: 3rd
Semester: 6th

ACKNOWLEDGEMENT

It gives us a great sense of pleasure to present the synopsis of B.Tech Mini Project
(CANTEEN Management System) undertaken during B.TechIIIrd Year. This project in itself is going to be an acknowledgement to the inspiration, drive and technical assistance that has motivated individuals like us.

We owe special debt of gratitude to Mr. Akash Choudhary, Assistant Professor Department of CEA, for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work. His sincerity, thoroughness and perseverance is been a constant source of inspiration for us. We believe that he will shower us with all his extensively experienced ideas and insightful comments at
different stages of the project & also guide us about the latest industry-oriented
technologies.

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department for their kind guidance and co-operation.

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INTRODUCTION: -

As the title suggests Canteen Management System which means how can we manage a canteen in a more effective way as canteens are very crowded in colleges and offices during lunch hours and break time, horde of people gather at one place and we need to consider the covid era in which these type of situations can be harmful so for this we created a canteen management system where students can place the orders by a web application, the payments can be done online, they just need to go to the canteen to collect the order, the balance can be updated online using any payment method.

System Requirements: -

***Supported Operating system*: -**

Windows 10
Windows 8
Windows 7

***Software Required:* -**

- Visual Studio Code
- Node JS

Hardware Requirements: -

For Android Studio and Intelli j: -

Intel i3 6th Gen (1.8 GHz minimum).
4 GB of RAM.
2GB GPU
5000x Hard Disk
Internet Connection

Frontend and Backend: -

Frontend

Front End of the project lies on HTML, CSS AND JavaScript.

- **HTML**: - It is used for giving eye catching looks to the website. And also providing easy to use GUI.
- **CSS**: - CSS is cascading style sheet which is used to give designer look to HTML using the external file.
- **Java script**: - Javascript is used for client side scripting which can help in using validation on the website and many more other functions.

Backend

Back End of the project lies on NodeJS. **Node.js** is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser. Node.js lets developers use JavaScript to write command line tools and for server-side scripting—running scripts server-side to produce dynamic web page content before the page is sent to the user's web browser.

Idea: -

Idea behind this web application is to create a platform for the canteen management system where students and other people can order anything from the menu without standing in a queue and waiting for hours in the rush time. The individual can order anything that is in the menu and can also pay online and just have to go to the canteen to collect its order. It will also prevent the horde of people in the canteen which is very needy in the time of this covid-19.

Objective: -

1. The main objective of the project is to make the process of the canteen easier and effective.
2. It will save time for the people who wait in the long queues for the food.
3. The people gathering that takes place in large numbers in the canteen will also get reduced.

Module Description:

Main activity: The main activity of the canteen management system is that we have created a platform where an individual can order anything from the menu and can make the payment online using any payment option.

Scope: -

This project is highly scalable. We can target the canteens of colleges, schools and offices. This holds a potential of providing ease of service to a large magnitude of people. Also, in the current times when the deadly coronavirus is at its peak, such a service is a huge convenience to people as it holds the potential to eliminate the chances of people crowding in tiny locations.