1. **Introduction**
   1. Introduction of the project

This is a proposal for the website of a canteen that I’m going to develop. This user will be able to automate the works that take place in a canteen using the web application.

* 1. Justification

This application is needed because of the given reasons:

* Comprehensive solution for all establishments like corporates, hostels, hospitals, etc.
* Cashless transactions
* Customizable menus and menu schedules.
* Export data to existing payroll/billing software.
* Keeping records of customer credits.
* Various reports in multiple formats.
  1. Background of the project

A canteen is a place that basically serves refreshments to people usually in a factory, schools or hospitals. In my case, I’m building this web application based on our college canteen. The current convention system of canteen takes order from students by voice and takes it to the kitchen and delivers after the food is prepared. Then the customer pays for the food by going to the counter where his order records may or may not be stored on a written form. The student can also choose not to pay for the food that day and decide to pay it up later. The credit records are kept on a copy-like ledger by the canteen owner. Many customers come to get refreshed in the canteen and order different foods at the same time. It becomes hard for the canteen owner to keep track of all the ongoing food orders as well as credit records on a manually done record keeping job. Due to that, it also becomes hard to keep exact track of expenses, profit and loss of the canteen. So, the main idea to solve this issue is by building a web application for the canteen with every possible configurations and activities. In this website, customers will be able to register their account with their credentials and login using username and password. Then, they will be able to place their order through the application. The kitchen staff will get the orders on their devices and prepare the meal accordingly and delver the food to the respective table. The user will get auto-generated bill after he finishes the ordering process. The customer can then pay online using a payment gateway or by going to the counter. Or, he can just add the bill to credit. This will help the owner to know the number of customers who paid the bill and the number of customers on credit which will help him to keep track of his profit and loss easily. The app will have a feature to notify customer if their credit exceeds 10 days.

But the canteen is currently running with a manual system and a lot of difficulties, human errors and problems.