###### **PROJECT REPORT**

###### **ON**

###### **CANTEEN MENU**

**SYSTEM**

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**5th Semester** CSE (Batch: 2017-21)

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###### **STUDENT DECLARATION**

We hereby declare that the project report entitled **“Canteen menu System”** submitted in partial fulfillment of the requirements for the degree of Bachelor of Technology in Computer Science and Engineering / Information Technology to Biju Pattnaik University of Technology is our original work and not submitted to any other university or Institute for the award of any degree or diploma.

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**CERTIFICATE**

This is to certify that Ipsa das (Regd. No:1701209009), Nilakantha tripathy (Regd. No:1701209016) and Dhanalaxmi nayak (Regd. No: 1701209112) have undertaken and successfully completed the project entitled **“Canteen Menu System”** under my/our supervision.

This work is original and is being submitted as a part of 5th Semester project for the undergraduate curriculum.

Signature of the Guide ……………………………………….……………

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The satisfaction that accompanies that the successful completion of any task would be incomplete without the mention of people whose ceaseless cooperation made it possible, whose constant guidance and encouragement crown all efforts with success.

We are grateful to our project guide Mr.Umashankar Das for the guidance, inspiration

and constructive suggestions that helpful us in the preparation of the project.

DATE: Signature of students

PLACE:

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ABSTRACT 🡪

Canteen menu system is a project which aims in developing a computerized system to maintain the menu via online. This project has many features like facility of student login and a facility of admin login. Admin login through which the admin can monitor the whole system. It has also a facility where student after logging in their accounts can see the daily menu and also can choose the food items according to their choice. The admin after logging into his account can generate the suitable menu as per student request.

Overall this project of ours is being developed to help the students as well as the institution to maintain the canteen in the best way possible and also reduce the human efforts.

**1. Introduction and Statement of Problem**

This chapter gives an overview about the aim, objectives, statement of problem.

* 1. STATEMENT OF PROBLEM

🡪Lack of data integrity:

There were a lot of canteen data and documents which are

not well-accommodated and not saved correctly.

🡪Poor Data Storage:

The data storage of the manual canteen menu was not

enough to accept a number of data simultaneously.

🡪Lack of security:

The data of the manual canteen was not secured with respect to

the confidentiality documents of canteen transactions.

🡪lack of Transparency:

Data of manual canteen menu system was hidden like students

Never knows about the menu.

🡪Slow retrieval of data:

The viewing of canteen files in terms of registration and transaction

were not well-implemented.

🡪Registration is slow:

The registration procedure is slow.

🡪Time consuming:

The canteen services in terms of registration, transaction and choosing

the menu consumes a lot of time.

* 1. PROJECT AIM AND OBJECTIVE

🡪Perform efficient and transparent canteen service.

🡪Promote faster retrieval of info about the menu.

🡪Determine no inconsistency and easy to update the

info of canteen services and operations.

🡪Reduce paper work and provide data security in details

which will be available on a click.

🡪Support the day-to-day operations of canteen by

improving various processes such as add an

item, remove an item, search the menu of today.

2. EXISTING SYSTEM V/S PROPOSED SYSTEM

EXISTING SYSTEM:

Some of the problems being faced in manual system are as follows:

1. Adding item by the user is not possible.

2. Never shows the daily menu.

3. Information about canteen are not properly maintained.

4. No central database can be created as information is not available in database.

PROPOSED SYSTEM:

Proposed system provides with following solutions:

1. It provides "better and efficient" service to users.

2. Reduce the workload of employees.

3. Faster retrieval of information about the desired thing.

4. Provide facility for proper monitoring and reduces paper work.

5. All details will be available on a click.

3. FUNCTIONAL REQUIREMENT:

**R.1: Register**

Description: First the user will have to register/sign up. There are two different type of users.

The canteen manager/head: The manager has to provide details about the name of canteen, address, phone number, email id.

Regular person/student: The user has to provide details about his/her name, roll no, password.

**R.1.1: Sign up**

Input: Detail about the user as mentioned in the description.

Output: Confirmation of registration status and a registration no. and password will be generated for the user.

Processing: All details will be checked and if any error is found then an error message is displayed else regd. number and password will be generated.

**R.1.2: Login**

Input: Enter the Regd. number and password provided.

Output: User will be able to use the features of software.

TOOLS USED

An IDE: “Eclipse IDE for Enterprise Java Developers”

A server: “Apache Tomcat 9.0 server”.

The front end of this application has been developed by the help of:

“html, css , java script and java server pages ( jsp )”.

The backend has been designed by the help of : “javax.http.Httpservlet classes and MySql database with its JDBC driver.”

Eclipse IDE 🡪

An IDE providing tools for java developers creating java

based web application.

Apache Tomcat 9.0🡪

Its an open source implementation of the java servlet, java server pages and java expression language. It provides a pure java HTTP web server environment in which java code can run fluently.

HTML🡪

Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser.

CSS🡪

Cascading Style Sheets is a style sheet language used to describe the presentation of a document written in html or xml.

JAVASCRIPT🡪

It is scripting language, used on the web to enhance html pages and is commonly found embedded in html code.

It is an interpreted language so it does not need to be compiled.

JAVA SERVER PAGE🡪

It is a collection of technologies that helps software developers create dynamically generated web pages based on html, xml document types.

JAVA SERVLET🡪

It is a small java program that runs within a web server. It receive and respond to requests from web clients across HTTP. To implement this interface a servlet that extends javax.servlet.GenericServlet .

This interface defines methods to initialize a servlet, these methods are known as life cycle methods.

MySql DATABASE🡪

It is an open source relational database management system. The JDBC driver connect java programs with the databases.

OVERVIEW OF THE PROJECT

The whole project has been divided into 2 parts

🡪Front end

🡪Back end

FRONT END🡪

-Under the Webcontent folder of this project the front end files are included.

-It has simple html file ,index.html,login.html to exhibit the content of browsers for these web pages.

-JSP is used where we want to include java codes in our web files.

BACK END🡪

SCREENSHOTS

**FUTURE ENHANCEMENTS**

**In future we will modify the database and add some interface requirements**

**For the upcoming mass users.**

**CONCLUSION**

A canteen menu software was required for fast and secure operations of a canteen. Since our developed software caters every need of a canteen like adding items, searching user choice etc. it is the best solution one can get for the problems faced in a canteen. We have implemented modular programming so that one can add/delete any function at any time according to the requirement at that time, therefore our software is flexible to use. We have developed the software with simple messages and user-friendly UI for easy and fast navigation through the software.

Therefore, our developed software can be used by any canteens for faster, secure and accurate process.

**REFERENCES**