**ACKNOWLEDGEMENT**

The satisfaction and euphoria that accompany the successful completion of any task would be incomplete without the mention of people who made it possible, whose constant guidance and encouragement crowned our efforts with success. It is a pleasant aspect that I have now the opportunity to express my gratitude for all of them.

The first person I would like to thank is my guide **Mrs.G.Satya, M.C.A, M.Tech, Assistant Professor, Department of MCA**, **Aditya College of Engineering & Technology, Surampalem.** Her wide knowledge and logical way of thinking have made a deep impression on me. Her understanding, encouragement and personal guidance have provided the basis for this project. She is a source of inspiration for innovative ideas and her kind support is well known to all her students and colleagues.

I wish to thank **Mrs. D.R.V.V.N.Bheeama Rao, M.Tech, Head of the Department, Aditya College of Engineering & Technology, Surampalem,,** who has extended her support for the success of this project.

I also wish to thank **Dr.T.K. RamaKrishna Rao**, **Principal, Aditya College of Engineering & Technology, Surampalem,** who has extended his support for the success of this project.

I would like to thank all the **Management & Technical Supporting Staff** for their timely help throughout the project.

**ABSTRACT**

Now -a- Days most of the people are entering into restaurants. Generally while seeing the menu-card, they don’t know which item to be ordered and also currently available item, May be waiter also don’t know about it. After that waiter while transferring the orders to the kitchen, Chef will inform list of available items from our ordered menu. In above process customers are wasting their valuable time, loses their patience and may occur some little bit clashes between them. To overcome these issues I proposed new systematic automation process in order to synchronous with customers as well as management.

This system replaces the conventional method in restaurant and it reduces the human need and makes the process simple and efficient. Once you entered into the restaurant management provided a small QR code or Tab at the every table.

We simply scan that code then it will be displays a list of present available items. So that we can choose one of them it will returns to at chef desk. Chef can know all the available of items. Once chef confirm the order and prepared that order then it will allocated or handover to waiter, and also we can place another items mean-while. The cost of the ordered food item will get added up and the total bill amount will be shown to the customer and it will be sent to the billing counter. After completion of payment the table will free to anyone else who gathered.

**CONTENTS**

|  |  |
| --- | --- |
|  | **PAGENO.** |
| **Chapter 1: INTRODUCTION** | **01** |
| 1.1 Brief Information about the Project | 01 |
| 1.2 Motivation and Contribution of Project | 01 |
| 1.3 Objective of the Project | 01 |
| 1.4 Organization of Project | 02 |
| **Chapter 2: LITERATURE SURVEY** | **03** |
| **Chapter 3: SYSTEM ANALYSIS** | **05** |
| 3.1 Existing System | 05 |
| 3.2 Proposed System | 05 |
| 3.3 Feasibility Study  3.4 Functional Requirements | 06  08 |
| 3.5 Non-Functional Requirements | 08 |
| 3.6 Requirements Specification | 09 |
| 3.6.1 Minimum Hardware Requirements | 09 |
| 3.6.2 Software Requirements | 09 |
| **Chapter 4: SYSTEM DESIGN** | **11** |
| 4.1 Introduction | 11 |
| 4.2 Process architecture | 11 |
| 4.3 Modules description | 12 |
| 4.4 Data dictionary | 13 |
| 4.5 UML diagrams | 15 |
| 4.5.1 Use case Diagram | 16 |
| 4.5.2 Class Diagram | 19 |
| 4.5.3 Sequence Diagram | 21 |
| 4.5.4 Collaboration Diagram | 23 |
| 4.5.5 Activity Diagram | 25 |
| **Chapter 5: TECHNOLOGY DESCRIPTION** | 28 |
| 5.1 Introduction to PHP  5.2 XAMPP  5.3 MySQL  5.4 Sublime Text | 28  32  34  36 |
| **Chapter 6: SAMPLE CODE** | **39** |
| **Chapter 7: TESTING** | **60** |
| 7.1 Introduction | 60 |
| 7.2 Sample Test case Specifications | 64 |
| 7.3 Test Case Screenshots | 64 |
| **Chapter 8: SCREENSHOTS** | 69 |
| **CONCLUSION** | **83** |
| **BIBLIOGRAPHY/REFERENCES** | **84** |

**LIST OF TABLES**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.NO.** | **TABLE NO.** | **NAME OF THE TABLE** | **PAGE NO.** |
| 1 | 4.4.1 | Data table for Users | 13 |
| 2 | 4.4.2 | Data table for Items Details | 13 |
| 3 | 4.4.3 | Data table for Table List Details | 14 |
| 4 | 4.4.4 | Data table for Category List Details | 14 |
| 5 | 4.4.5 | Data table for Cart Details | 14 |
| 6 | 4.4.6 | Data table for Order Table Details | 15 |
| 7 | 4.4.7 | Data table for Reservation Table Details | 15 |
| 8 | 4.5.1.1 | Use Case Template for Login | 18 |
| 9  10  11 | 4.5.1.2  4.5.1.3  4.5.1.4 | Use Case Template for Menu/Items  Use Case Template for add to Cart  Use case template for Place Order | 18  18  19 |

**LIST OF SCREENS**

|  |  |  |  |
| --- | --- | --- | --- |
| S.NO | SCREEN NO | NAME OF THE SCREEN | PAGE NO |
| 01 | 7.3.1 | Test screen for Invalid admin login | 65 |
| 02 | 7.3.2 | Test screen for Valid admin login | 66 |
| 03 | 7.3.3 | Test screen for Invalid user login | 67 |
| 04 | 7.3.4 | Test screen for Items add to cart | 68 |
| 05 | 8.1 | Screenshot for System Homepage | 69 |
| 06 | 8.2 | Screenshot for Admin login page | 70 |
| 07 | 8.3 | Screenshot for User Add to Cart page | 71 |
| 08 | 8.4 | Screenshot for Cart List Details | 72 |
| 09 | 8.5 | Screenshot Cart Details After Placed Orders | 73 |
| 10 | 8.6 | Screenshot for Order Status Page | 74 |
| 11 | 8.7 | Screenshot for Admin Dashboard page | 75 |
| 12 | 8.8 | Screenshot for Total Items List | 76 |
| 13 | 8.9 | Screenshot for Category List | 77 |
| 14 | 8.10 | Screenshot for Adding Items | 78 |
| 15 | 8.11 | Screenshot for Add Category | 79 |
| 16 | 8.12 | Screenshot for Orders List | 80 |
| 16 | 8.12.1 | Screenshot for Complete Now Action | 81 |
| 17 | 8.12.2 | Screenshot for Generate Bill Action | 81 |
| 18 | 8.12.3 | Screenshot for Print Bill | 82 |

|  |  |  |  |
| --- | --- | --- | --- |
| **S.NO** | **FIGURE NO**  **LIST OF FIGURES** | **NAME OF THE FIGURE** | **PAGE NO** |
| 01 | 4.2.1 | System Architecture for personal web revisitation | 14 |
| 02 | 4.4.2 | Use case diagram for system | 21 |
| 03 | 4.5.2 | Class diagram for system | 20 |
| 04 | 4.5.3 | Sequence diagram for add to cart | 22 |
| 05 | 4.5.4 | Collaboration diagram for add to cart | 24 |
| 06 | 4.5.3.2 | Sequence diagram for Place to Order | 23 |
| 07 | 4.5.4.2 | Collaboration diagram for Place to Order | 25 |
| 08 | 4.5.5 | Activity diagram for System | 27 |

**LIST OF ABBREVIATIONS**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.NO** | **ABBREVIATIONS** | **STANDS FOR** | |
| 1 | SQL | | Structure Query Language | |
| 2 | PHP | | Hyper Text Preprocessor | |
| 3 | XAMPP | | Cross-Platform (X), Apache (A), MySQL (M), PHP (P) and Perl (P) | |
| 4 | HTML | | Hyper Text Markup Language | |