**DECLARATION BY THE CANDIDATES**

We, the undersigned solemnly declare that the report of the project work entitled **Distributor Retailer Interactive System**, is based on our own work carried out during the course of our study under the supervision of **Prof. Shiv Dutta Mishra**.

We assert that the statements made and conclusions drawn are an outcome of the project work. We further declare to the best of our knowledge and belief that the report does not contain any part of any work which has been submitted for the award of any other degree/diploma/certificate in this University/ any other University of India or any other country.

|  |  |
| --- | --- |
| **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Deepalika Kowar** | **Labhita Gupta** |
| **Roll No.: 3012212019** | **Roll No.: 3012212032** |
| **Enrolment No.: AK6380** | **Enrollment No.: AK6451** |

**CERTIFICATE**

This is to certify that the report of the project submitted is an outcome of the project work entitled D**istributor Retailer Interactive System** carried out by **Deepalika Kowar** bearing Roll No: **3012212019** & Enrollment No: **AK6380** and **Labhita Gupta** bearing Roll No: **3012212032** & Enrollment No: **AK6451** under my guidance and supervision for the award of Degree in Bachelor of Engineering in Computer Science and Engineering from Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.).

To the best of my knowledge the report

1. Embodies the work of the candidate himself/herself,
2. Has duly been completed,
3. Fulfills the requirement of the Ordinance relating to the BE degree of the University and
4. Is up to the desired standard for the purpose of which is submitted.

|  |  |  |
| --- | --- | --- |
| **Signature of Coordinator** | **Signature of Coordinator** | **Signature of Guide** |
| **Prof. Ashok Kumar Behera** | **Prof. Kauleshwar Prasad** | **Prof. Shiv Dutta Mishra** |
| **Assistant Professor** | **Assistant Professor** | **Assistant Professor** |
| **Computer Sc. & Engg.** | **Computer Sc. & Engg** | **Computer Sc. & Engg** |

The project work as mentioned above is hereby being recommended and forwarded for examination and evaluation.

|  |
| --- |
| **(Dr. M.V. Padmavati)** |
| **Head of the Department** |
| **Computer Sc. & Engg** |

**CERTIFICATE BY THE EXAMINERS**

This is to certify that the project work entitled

**Distributor Retailer Interactive System**

Submitted by

|  |  |  |
| --- | --- | --- |
| Deepalika Kowar | Roll No: 3012212019 | Enrollment No: AK6380 |
| Labhita Gupta | Roll No: 3012212032 | Enrollment No: AK6451 |

has been examined by the undersigned as a part of the examination for the award of Bachelor of Engineering degree in Computer Science and Engineering from Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.).

|  |  |
| --- | --- |
| **(Internal Examiner)** | **(External Examiner)** |
| **Name:** | **Name:** |
| **Date:** | **Date:** |

**ACKNOWLEDGEMENT**

We have great pleasure in the submission of this project report entitled **Distributor Retailer Interactive System** in partial fulfillment the degree of Bachelor of Engineering (CSE). While submitting this Project report, we take this opportunity to thank those directly or indirectly related to project work.

We would like to thank our guide **Prof. Shiv Dutta Mishra** who has provided the opportunity and organizing project for us. Without his active co-operation and guidance, it would have become very difficult to complete task in time.

We would like to express sincere thanks and gratitude to Dr. Arun Arora, **Principal of the Institution**, Dr. M. V. Padmavati, **Head of the Department** Computer Science & Engineering for their encouragement and cordial support.

While Submission of the project, we would also like to thank Prof. Ashok Kumar Behera and Prof. Kauleshwar Prasad, **Project Coordinator, faculties** and all the staff of department of Computer Science & Engineering, **Bhilai Institute of Technology, Durg** for their continuous help and guidance throughout the course of project.

Acknowledgement is due to our parents, family members, friends and all those persons who have helped us directly or indirectly in the successful completion of the project work.

|  |  |
| --- | --- |
| **Deepalika Kowar** | **Labhita Gupta** |
| **Roll No.: 3012212019** | **Roll No.: 3012212032** |
| **Enrolment No.: AK6380** | **Enrollment No.: AK6451** |

**ABSTARCT**

The Distributor Retailer Interactive System mainly deals with automating the tasks of maintaining and transacting the goods. In the Distributor Retailer Interactive System inventory management and order processing are the key processes. These processes include the activities such as maintenance of stock details, maintenance of receipts and items etc. It is a tedious job to maintain all these details manually. Hence we opted to automate this system.

Distributor Retailer Interactive System is important to ensure quality control in businesses that handle transactions revolving around consumer goods. Without proper inventory control and processing of orders, a large retail store may run out of stock on an important item. A good Interactive System will alert the retailer when it is time to reorder. This system is also an important means of automatically tracking large shipments.

An automated and interactive system helps to minimize the risk of error. The Distributor Retailer Interactive System can serve a variety of functions. It can help a worker locate the items on the order list in the warehouse, it can encode shipping information like tracking numbers and delivery addresses, and it can remove these purchased items from the inventory tally to keep an accurate count of in-stock items. All of this data works in tandem to provide businesses with real-time inventory tracking information and thus helps in successful processing of order. Distributor Retailer Interactive System make it simple to locate and analyze inventory information and keeping a track of retailers in real-time with a simple database search.

**CONTENTS**

|  |  |  |
| --- | --- | --- |
| **1. INTRODUCTION** | | **1-3** |
| 1.1. | OBJECTIVE | 1 |
| 1.2. | PROJECT DESCRIPTION | 3 |
| **2. SYSTEM STUDY** | | **4-11** |
| 2.1. | EXISTING AND PROPOSED SYSTEM | 4 |
| 2.2. | FEASIBILITY STUDY | 6 |
| 2.3. | TOOLS AND TECHNOLOGIES USED | 8 |
| 2.4. | HARDWARE AND SOFTWARE REQUIREMENTS | 11 |
| **3. SOFTWARE REQUIREMENTS SPECIFICATION** | | **12-15** |
| 3.1. | USERS | 12 |
| 3.2. | FUNCTIONAL REQUIREMENTS | 13 |
| 3.3. | NON-FUNCTIONAL REQUIREMENTS | 14 |
| **4. SYSTEM ANALYSIS AND DESIGN** | | **16-36** |
| 4.1. | SYSTEM PERSPECTIVE | 16 |
| 4.2. | DATABASE DESIGN | 19 |
| 4.3. | CONTEXT DIAGRAM (DFD) | 29 |
| 4.4. | USE CASE DIAGRAM | 30 |
| 4.5. | SEQUENCE DIAGRAMS | 31 |
| **5. IMPLEMENTATION** | | **37-46** |
| 5.1. | SCREEN SHOTS | 37 |
| **6. SOFTWARE TESTING** | | **47** |
| **7. CONCLUSION** | | **48** |
| **8. FUTURE ENHANCEMENTS** | | **49** |
| **BIBLIOGRAPHY** | | **50** |

**LIST OF TABLES**

|  |  |  |
| --- | --- | --- |
| **TABLE NO.** | **TABLE NAME** | **PAGE NO.** |
| 4.1 | alerts Table | 19 |
| 4.2 | client Table | 19 |
| 4.3 | currencies Table | 20 |
| 4.4 | estimates Table | 20 |
| 4.5 | estimate\_products Table | 21 |
| 4.6 | format\_emails Table | 21 |
| 4.7 | generals Table | 21 |
| 4.8 | images Table | 22 |
| 4.9 | invitations Table | 22 |
| 4.10 | invitation\_settings Table | 22 |
| 4.11 | invoices Table | 23 |
| 4.12 | invoice\_payments Table | 23 |
| 4.13 | invoice\_products Table | 24 |
| 4.14 | invoice\_setting Table | 24 |
| 4.15 | invoice\_statuses Table | 24 |
| 4.16 | languages Table | 25 |
| 4.17 | language\_texts Table | 25 |
| 4.18 | messages Table | 25 |
| 4.19 | payments Table | 26 |
| 4.20 | products Table | 26 |
| 4.21 | schedules Table | 26 |
| 4.22 | settings Table | 27 |
| 4.23 | taxes Table | 27 |
| 4.24 | users Table | 28 |

**LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| **FIGURE NO.** | **CAPTION** | **PAGE NO.** |
| 4.1 | ER Diagram | 29 |
| 4.2 | Level 0 DFD | 30 |
| 4.3 | Level 1 DFD | 30 |
| 4.4 | Use Case Diagram | 31 |
| 4.5 | Sequence diagram for distributor | 32 |
| 4.6 | Sequence diagram for retailer | 33 |
| 4.7 | Sequence diagram for client information on distributor interface | 34 |
| 4.8 | Sequence diagram for product information on distributor interface | 34 |
| 4.9 | Sequence diagram for estimate information on distributor interface | 35 |
| 4.10 | Sequence diagram for invoice information on distributor interface | 35 |
| 4.11 | Sequence diagram for schedule information on distributor interface | 36 |
| 4.12 | Sequence diagram for messages information on distributor interface | 36 |
| 5.1 | Dashboard of Distributor | 37 |
| 5.2 | Dashboard of Retailer | 37 |
| 5.3 | Dashboard of Retailer information | 38 |
| 5.4 | Dashboard of Product information | 38 |
| 5.5 | Distributor Retailer Login Interface | 39 |
| 5.6 | Distributor Dashboard | 39 |
| 5.7 | Client Details on Distributor | 40 |
| 5.8 | Product Details on Distributor | 40 |
| 5.9 | Estimates Details on Distributor | 41 |
| 5.10 | Invoices Details on Distributor | 41 |
| 5.11 | Schedules Details on Distributor | 42 |
| 5.12 | Messages Details on Distributor | 42 |
| 5.13 | Reports Details on Distributor | 43 |
| 5.14 | Setting Details on Distributor | 43 |
| 5.15 | Retailer Dashboard | 44 |
| 5.16 | Estimates Details on Retailer | 44 |
| 5.17 | Invoices Details on Retailer | 45 |
| 5.18 | Messages Details on Retailer | 45 |
| 5.19 | Setting Details on Retailer | 46 |