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**A Project Report**

**ON**

**“Billing System”**

**Submitted in partial fulfillment of the requirement for the award of Bachelor degree in Computer Science and Engineering**

**for Session 2016 - 2020**

*Submitted by*

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*(***BU2016UGCS046***)*

*UNDER THE SUPERVISION OF*

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*Submitted To*

School of Computer Science and Engineering

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**CERTIFICATE OF ORIGINALITY**

This is to certify that, the work entitled **“Billing System”** submitted by **Sahil Khan** having roll no **BU2016UGCS046** in partial fulfillment of the requirement for the award of degree of **Bachelor in Computer Science and Engineering,** Bahra University, Shimla Hills, Solan (H.P.) has been carried out under the supervision of **Mrs, Parul Gazta, (Assistant Professor)**, School of Computer Science & Engineering. This work has not been submitted partially or fully to any other University or Institute for the award of any other degree.

Date: Dr. Priyanka Sharma Place: Associate Professor & Head

School of Computer Science & Engineering

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**CERTIFICATE BY SUPERVISOR**

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**DOCUMENT BY THE COMPANY**



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**ACKNOWLDGEMENT**

On the very outset of this report, I would like to extend my sincere and heartfelt obligation towards all the people who have helped me in this endeavor. Without their active guidance, help, cooperation and encouragement. I would not have made headway in the project. I acknowledge with deep sense of gratitude and most sincere appreciation, the valuable guidance and unfailing encouragement rendered to me by **Er. Rahul Gupta (Software Engineer at QA Infotech)** for his proficient and enthusiastic guidance, useful encouragement and immense help. I have deep sense of admiration for their inmate goodness and inexhaustible enthusiasm. I wish to extend my sincere gratitude to  **Mrs. Priyanka Sharma (HOD of CSE Department) and Mrs. Parul Gazta (Assistant Professor)** for their guidance, encouragement and valuable suggestions which proved extremely useful and helpful in completion of this industrial training. My heartfelt gratitude and indebtedness goes to all teachers and guidance group who with their encouraging, caring words, constructive criticism and segmentation have contributed directly or indirectly in a significant way towards completion of this training. My special thanks goes to my friends whose support and encouragement have been a constant source of assurance, guidance, strength, and inspection to me. I am immensely grateful to my parents, my family. They have always supported me and taught me the things that matter most in life. I am proudly grateful to all of them.

Sahil Khan Signature

Date

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**ABSTRACT**

Nowadays it's very important to manage customer’s data easily and effectively. This software will help the salespersons in creating and managing the records pertaining to customers. The product will help the user to work in a highly effective and efficient environment.

The salespersons have been recording the customer information in the past and even in the present through their manual efforts on their ledger. And indeed, it consumes considerable time and energy that could be utilized in better productive activities. Apart from that, with increasing customer Strength, the task of managing information of each customer is indeed a cumbersome task.

There is a lot of reason for the introduction of this project. In the manual ledger System, there are several inefficiencies that the salesperson faces. The information retrieval is one of the foremost problems. It is very difficult to get the previous invoice data of the customers from the ledger. Large records-books have to be maintained where relevant and irrelevant information has to be stored which is a very untidy and clumsy process.

On the other hand, many inherent problems exist in any manual system. Usually, they lack efficiency. Less efficiency has a great impact on the productivity of any human being keeping the data up-to-date.

The project "Billing System" is developed to make the system reliable, easier, fast, and more informative.

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**CHAPTER 1**

**INTRODUCTION:**

One of the foremost vital side to running any business – big or small, in private control or public corporation - is billing. without billing, cash flow can dry up and business can collapse.

Invoicing is the initial billing stage. this can be wherever your sales order or estimate becomes an actual charge, complete with elements, labor, sales tax, shipping, or any whatever charges apply to your specific business. The invoice is vital to the billing process as a result of it offers your client the firm and final price.

The invoice is important to the billing process because it gives your customer the firm and final price. The statement provides your customer with a reminder of when their bill is due, how much the bill is, and any interest or other fees incurred since the date of purchase or the last billing cycle.

An invoice, bill, or tab is a commercial document issued by a seller to a buyer, relating to a sale transaction and indicating the products, quantities, and agreed prices for products or services the seller had provided the buyer.

Billing is the process of sending an invoice (a bill) to customers for goods or services. Nowadays it is very important to get a product invoice from the seller because it is proof of the product given by the seller. Invoice helps both the buyer as well as the seller.

Today, salesperson needed a type of software which helps them in creating and managing the customer data. This customer data will help the salesperson to know the customer and also helps to calculate the profit and loss of the business. A system is needed to store the data for future uses. Approximate every salesperson needed a system that helps them in price calculations, tax calculations, customer data storage, and invoice generation.

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* 1. **Overview of Project**

A billing system is an application that calculates the bills and generates the invoice. This helps the salesperson to add, calculate, and manage the product and tax-related information and able to generate an invoice. Billing System is a desktop-based application for daily needs stores and retail shops to manage their product billing and other billing related tasks. Billing System helps to store the product and customer-related data and can generate bills. Billing System can store and print the invoices from the database and helps to manage the product and invoice data.

Billing System is a desktop-based application that is used in calculates the bills and generate invoices. This application can use to create maintain customer invoice data and also for basic calculations with CGST and SGST tax calculation feature. This application helps the salesperson to manage the customer data. Billing System uses a database to store the generated invoice data and this feature also helps to check the old generated invoice data. By this system, the salesperson will able to create, maintain, and also able to print the invoice using an attached printer.

Billing System is a faster and easy to use software. It is extremely reliable software and also data inserted, updated, deleted easily.There is no need to use paper to store the user and product information. Owner can easily track and search the previous data of the user. Owner can also search the product data by generated invoice numbers.The motivation behind this project is to store the sold product information and also the customer information who bought the product. It also helps to calculate the sold product price with CGST and SGST prices



* 1. **Purpose**

The billing system can be used to replace the traditional way of storing and managing the data in the ledgers. The basic purpose of this system is to maintain the customer data and provide feature like invoice generation and invoice print option. The process of data management on the ledger is a very time consuming and risky job because the ledger can easily deteriorate. Also, the biggest problem with ledgers is to search for the old record. So, this system comes with features like creating invoice, calculation the price with different tax amounts, saved invoice search option, and invoice print option.

* 1. **Scope**

Billing System is a desktop-based application that is created to generate and maintain the sold product invoices.  The software will display a view of calculations of every sold product and invoice. The system will store and recognize customer invoices. This system can use in stores, industries, malls, and shops for the purpose like the generation of purchase and sales report.

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**CHAPTER 2**

**REQUIREMENT ANALYSIS**

**2.1 Introduction:**

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