**Course Instructor:**

**Instructor’s Name:** Mr. Zeeshan Nazar

**Group Members:**

Muhammad Bin Zain Roll # 22L-6618

Muhammad Tayham Haseeb Gora Roll # 22L-6896

Jazil Arffin Roll # 22L-6792

Muneeb Rana Roll # 22L-7843

Abubakar Riaz Roll # 22L-6767

**Abstract**

In traditional brick trading businesses, accounting and operational tasks are managed manually, often leading to inefficiencies and potential errors. This project aims to develop a desktop-based software application to streamline and automate the accounting processes of a bricks trading business. The system will manage data related to the number of bricks purchased, and sold, along with detailed records of suppliers, customers, and transporters. Additionally, it will handle pricing information, transportation costs, and other operational details. The application will improve accuracy, reduce human efforts, and expenses.

**Introduction**

Brick traders play a significant role in construction and infrastructure development. However, many traders continue to manage their operations using traditional methods, such as maintaining multiple handwritten registers, which can be time-consuming, prone to error, hectic and expensive. This project proposes the development of a software application to automate these processes, enabling the brick business owner to manage accounts, sales, purchases, transportation, and other critical tasks with ease.

The system will track key metrics such as the cost and sale price of bricks, transportation expenses, and details of suppliers, customers, and transporters. By digitizing these processes, the proposed system will offer an efficient, user-friendly solution to help owners manage their business more effectively and with greater accuracy, also minimizing their labor and expenses.

**Goals and Objectives**

The objectives of this project include:

- Developing a desktop application that allows the owner to manage all accounts of his business in one place.

- Storing and managing records of brick purchases, sales, inventory, and transportation details.

- Ensuring the system is user-friendly, secure, efficient, and easy for the owner to learn how to use the software.

- Providing tools for tracking expenses, revenue, and calculating profit margins.

**Scope of the Project**

The Brick Business Management Software (BBMS) will cover the following key functionalities:

- Inventory Management: Track the number of bricks purchased and sold.

- Transaction Management: Maintain records of all financial transactions, including purchase and sales prices.

- Supplier and Customer Management: Store and manage details of suppliers (from whom bricks are bought) and customers (to whom bricks are sold).

- Transportation Details: Keep records of transporters, transportation costs, and delivery schedules.

- Maintain Statistics: Generate statistics to track profit and loss in the business along with balance sheet generation for monthly and year accounts check. (optional)

In traditional brick business, manual bookkeeping can result in missed or erroneous entries and difficulty in scaling operations. Our research indicates that there is a growing need for digitization in this sector to improve productivity and accuracy. Several small business owners have started to move towards software solutions to manage operations. This project seeks to assist the business owners by creating a system designed to address the problems faced by the owner.

**References**

[1] Bricks Trading Company

[2] [**Google**](https://www.google.co.uk/)