

**E-Commerce System**

**Software Engineering**

**CSE-322**

**B2 - G3**

1. **Project Title**

E-Commerce System

1. **Project Members**

|  |  |
| --- | --- |
| **Name** | **ID** |
| **Md.Shahnaouj Alam Rohan** | **20101092** |
| **Najib Hasan Khan** | **20101100** |
| **Istiak Ahmed** | **20101112** |
| **Fatema Akter** | **20101088** |

1. **Project Version Control Link**

<https://github.com/Rohan8874/GEEKZONE.git>

1. **Problem Definition**

E-commerce (electronic commerce) is the buying and selling of goods and services, or the transmitting of funds or data, over an electronic network, primarily the internet. These business transactions occur either as business-to-business, business-to-consumer, consumer-to-consumer, or consumer-to-business. But nowadays these selling and buying and delivery system are not safe. There is a chance of missing products. From our system, we provide a Qr code scanning tracking system where the customer can easily track the order.

1. **Objective**

The objective of our project is to create an online e-commerce community where the customer can buy any kind of electronic product and also sell his old products. Our priority is safely delivering products to customer Appling Qr code scanner tracking system. Where no chance of missing the product of the customer.

1. **Solution and Project Outputs**

E-Commerce website development is an effective tool that can help you accelerate your eCommerce business growth and success. An E-Commerce development agency can help you build a robust website that will generate more traffic, and quality leads, as well as increase sales and business revenue.

1. **Requirement Analysis**

It is going to be very challenging to build this web application for several reasons like two types of users’ login and their interface. We shall need to use Python for backend development, Django for framework, HTML CSS JavaScript, and bootstrap and relational database dbSQL.Using Gps tracking system.

1. **Impact on society**

Electronic commerce expands the marketplace to national and international markets. It decreases the cost of creating processing, distributing, and retrieving paper-based information. The Importance of E-Commerce is very wide because it reduces the transaction cost. Reduced transaction cost leads to consumer empowerment.

1. **Project Cost**

**120000 Taka**

1. **How K’s are addressed through the project**

|  |  |
| --- | --- |
| [K –Short Name] | Knowledge Profile (K) |
| **K1** | Natural Sciences |
| **K2** | Mathematics |
| **K3** | Engineering Fundamentals |
| **K4** | Specialist Knowledge |
| **K5** | Engineering Design |
| **K6** | Engineering Practice |
| **K7** | Comprehension |
| **K8** | Research Literature |

1. **How P’s are addressed through the Project**

|  |  |  |
| --- | --- | --- |
| **PS** | **Attribute** | **How Ps are addressed through the project** |
| **P1** | Depth of Knowledge Requirement | * (K-3) Engineering Fundamentals: The project requires knowledge of E-KYC and a good understanding of concepts of the Django framework. Knowledge of Programming languages (Python, HTML, CSS), Data Analysis is also required. * (K-5) Engineering Design: Here we are using modern engineering design to identify and solve the problem with a powerful and more efficient approach * (K-6) Engineering Practices: On this proposed system there will be a web-based frontend and integration of different components in the backend. Which will be great engineering practices for this system. * (K-8) research literature: P1: Our project requires the study of existing models with similar goals such as a similar international e-commerce site like amazon, or Alibaba. We have identified and analyzed all the features and Qr code Scanner tracking product system and tried to implement the simplest features for our project. |
| **P2** | Conflicting requirement | * Customers insist on more choices regarding where, when, and how they can purchase goods – including buying directly from brand manufacturers. * As they continue to become more digitally connected, there is a growing demand from * buyers who prefer to make their purchases outside of traditional channels |
| **P6** | Diverse Group of Stakeholders | The diverse group of stakeholders like the Shop owners Retailers and purchasers will be benefited from this project. |
| **P7** | Interdependence | The project involves only software-based and application models. |

**Project Schedule**

|  |  |  |
| --- | --- | --- |
| No. of Phase | Task | Duration  (In Week) |
| Phase-1 | Planning | 1 |
| Phase-2 | Analysis and Requirement Data | 1 |
| Phase-3 | Data Collection | 1 |
| Phase-4 | Design UI | 3 |
| Phase-5 | Create Login and Sign up and URLs | 2 |
| Phase-6 | Create Database and Implementation | 4 |
| Phase-7 | Testing | 1 |
| Phase-8 | Launch | 1 |