**E-Commerce Website**

**Project report in partial fulfillment of the requirement for the award of the degree of**

**Bachelor of Technology**

**In**

**Computer Science Engineering**

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**CERTIFICATE**

This is to certify that the project titled **E-Commerce** submitted by **Anubhab Roy(University Roll No. 12020009023029), Ankit Shrivastava(University Roll No. 12020009023026)**, **Aniket Verma(University Roll No. 12020009022180), Krisnanath Saha(University Roll No. 12020009001233)**, **Labani Jash(University Roll No. 12020009029011), Tamoghno Kumar Parua(University Roll No. 12020009023027)** and **Trisha Saha(University Roll No. 12020009022030)** students of UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA, in partial fulfillment of the requirement for the degree of Bachelor of Computer Science Engineering, is a bonafide work carried out by them under the supervision and guidance of Prof. Dr. Maumita Chakraborty & Prof. Neepa Biswas during 4th Semester of the academic session of 2020 - 2024. The content of this report has not been submitted to any other university or institute. I am glad to inform you that the work is entirely original and its performance is found to be quite satisfactory.

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**ABSTRACT**

Electronic Commerce is the method of doing business using computer networks. A person sitting on his chair in front of a computer can access all the facilities of the Internet to buy or sell the products.

Unlike traditional commerce which is carried out physically with an effort of a person to go & get products, e-commerce has made it easier for a human to reduce physical work and save time. Security is the challenge facing e-commerce today & there is still a lot of advancement made in the field of security.

The main advantage of e-commerce over traditional commerce is that the user can browse online shops, compare prices, and order goods sitting at home using their PC.

For increasing the use of e-commerce in developing countries B2B e-commerce is implemented for improving access to global markets for firms in developing countries. For a developing country advancement in the field of e-commerce is essential. The research strategy shows the importance of e-commerce in developing countries for business applications.

**INTRODUCTION**

1. E-COMMERCE**:** The term electronic commerce (e-commerce) refers to a business model that allows companies and individuals to buy and sell goods and services over the Internet. Ecommerce operates in four major market segments and can be conducted over computers, tablets, smartphones, and other smart devices. Nearly every imaginable product and service is available through e-commerce transactions, including books, music, plane tickets, and financial services such as stock investing and online banking. As such, it is considered a very disruptive technology.
2. E-BUSINESS: Electronic business (e-business) refers to the use of the Web, Internet, intranets, extranets, or some combination thereof to conduct business. E-business is similar to e-commerce, but it goes beyond the simple buying and selling of products and services online. E-business includes a much wider range of business processes, such as supply chain management, electronic order processing, and customer relationship management. E-business processes, therefore, can help companies to operate more effectively and efficiently.
3. BUSINESS MODEL: The E-Commerce or Electronic Commerce business model can be generally categorized into the following categories:
4. **Business–to–Business (B2B)**
5. **Business–to–Consumer (B2C)**
6. **Consumer–to–Consumer (C2C)**
7. **Consumer–to–Business (C2B)**
8. **Business–to–Government (B2G)**
9. **Government–to–Government (G2G)**
10. **Government – to – Citizen (G2C)**

**LITERATURE SURVEY**

**PROBLEM STATEMENT**

1. PROBLEM:

E-commerce provides an easy way to sell products to a large customer base. However, there is a lot of competition among multiple e-commerce sites. When users land on an e-commerce site, they expect to find what they are looking for quickly and easily. Also, users are not sure about the brands or the actual products they want to purchase. They have a very broad idea about what they want to buy. Many customers nowadays search for their products on Google rather than visiting specific e-commerce sites. They believe that Google will take them to the e-commerce sites that have their product.

The purpose of any e-commerce website is to help customers narrow down their broad ideas and enable them to finalize the products they want to purchase. For example, suppose a customer is interested in purchasing a mobile. His or her search for mobile should list mobile brands, operating systems on mobiles, the screen size of mobiles, and all other features as facets. As the customer selects more and more features or options from the facets provided, the search narrows down to a small list of mobiles that suit his or her choice. If the list is small enough and the customer likes one of the mobiles listed, he or she will make the purchase.

1. CHALLENGES OF E-COMMERCE:

The major challenges faced by the buyer and the seller when carrying out business transactions through a website are as follows-

1. Now Private and Public organizations work separately but if they do business jointly, the e-commerce business will be developed flourishingly in near future.
2. As we know that most e-commerce website doesn’t have proper cyber security for this their system is not reliable & secure. If the website is hacked, the consumer will lose their money as well as the marketer too.
3. In developing countries like Bangladesh, there is a tradition of buying goods or products by bargaining price with the seller but in e-commerce, it is quite impossible.
4. Another biggest challenge is to make a low price on the internet and cut down the short-ranged validity or expiry date. The authorities spread the high cost of internet which should be stopped.
5. Lack of quality trainers to teach the e-commerce knowledge. Lack of Government laws, rules, and regulations.
6. Our country’s telecommunication service is insufficient about 60% of lines are mainly analog and the quality of services is comparatively poor.