A   
PROJECT REPORT ON

ONLINE SHOPPING STORE

DESIGNED AND DEVELOPED   
BY   
Mr. Tanmay Prashant Chavan

AND   
GUIDED BY

**Prof. Neelam Tandel**

**SUBMITTED IN PARTIAL FULFILLMENT OF ACADEMIC PROJECT   
  
BACHELOR OF SCIENCE [COMPUTER SCIENCE]**

**[UNIVERSITY OF MUMBAI]**

ACKNOWLEDGEMENT

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Achievement is finding out what you would be doing rather than what you have to do. It is not until you undertake such a project that you realize how much effort and hard work it is, what are your capabilities, and how well you can present yourself or other things. It tells us how much we rely on the efforts and goodwill of others. It gives me immense pleasure to present this report towards the fulfillment of my project.   
  
  
  
It has been rightly said that we are built on the shoulder of others.   
For everything I have achieved, the credit goes to all those who had   
helped me to complete this project successfully.   
  
  
  
I take this opportunity to express my profound gratitude to   
management of **Royal College of Arts, Commerce & Science** for   
giving me this opportunity to accomplish this project work.   
  
  
  
A special vote of thanks to **Prof. Neelam Tandel** who is   
our professor & project guide for her most sincere, useful and   
encouraging contribution throughout the project span.   
  
  
  
Finally, I would like to thank the entire Computer Science department   
who directly or indirectly helped me in the completion of this project & to   
my family without whose support, motivation & encouragement this   
would not have been possible.   
  
  
 TANMAY PRASHANT CHAVAN

DECLARATION

**DECLARATION**   
  
  
  
I “ **Mr. TANMAY PRASHANT CHAVAN** “ hereby declare that I have completed the project under the guidance of **Prof.Neelam Tandel**. I on my own have designed the system and have done all the programming required.   
  
  
  
It may require some modifications in the future as per the user’s requirements. From the practical implementation point of view flexibility in the changes has been incorporated in the package.   
  
  
I am sure that I can do any kind of modification suggested while practical implementation by modifying the file design or the program code if necessary.   
  
  
  
  
  
 **Tanmay Prashant Chavan**

CERTIFICATE



**DEPARTMENT OF COMPUTER SCIENCE**

Class: TYBSc Roll. No. 07   
 Seat No:\_\_\_\_\_\_\_   
**Certificate**   
  
Certified that Ms. Anam Khan of T.Y.B. Sc Semester VI has completed the project as prescribed by the University of Mumbai on ONLINE SHOPPING STORE as partial fulfillment of the requirement for completing Bachelor’s Degree in Computer Science during the academic year 2019-2020.

Signature of Project Guide   
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   
  
  
Signature of Examiner   
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

HEAD   
Dept. of Computer Science

ABOUT THE   
PROJECT

**Objectives**

The year 2020 has been a roller coaster ride so far. The continuous disasters, the spread of novel coronavirus, altogether, have created havoc among the people. The need for e-commerce has become more than essential now. People now know the importance as well as the benefits of online eCommerce. It has become a part of our daily lives. More and more people now order food, clothes, groceries, home appliances, and much more online, using eCommerce.

**Reduce management costs:** Businesses aim at reducing the costs incurred for the betterment of their revenue. Automating the e-commerce business can help in reducing the management cost significantly. Moreover, the right use of digital marketing can help in reducing the cost spent on driving customers to such an extent that businesses can bring customers free of cost.

**Developing business relations:-** With eCommerce as the primary use, business development can be easily achieved. The direct communication between a company and the customer, the business relationship can be boosted.

### Providing a unique customer experience:- Uncountable e-commerce businesses are functioning out there in the market. When a customer searches for a certain product (for instance, shampoo), they will probably click on the first three links that are shown on the Google Search Engine Results Page. All the rest links are either avoided, never seen, or are visited by a few. This itself shows the competition in the e-commerce market. One of the best ways to stand out from the crowd is by providing a unique customer experience. This includes giving a personalized experience to each customer or visitor of your online store, website, or mobile app

### Increasing the number of loyal customers:- Customers are the core of all business strategies. Therefore, ensuring a great customer experience is of prime importance for the growth of the business. You need to meet your customers where they spend their time. More than 60% of consumers look for purchasing goods and services online. If you meet your customers where they are already active, the chances of them, interacting with your business increases two folds. You can increase the number of loyal customers by giving the best experience to your already existing customers as well as bring in newer customers.

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**Preliminary Investigation**

**Introduction: *Super Mart*** website is built keeping end-users and owner’s benefits in mind, providing all possible features and options for both, owner as well as the user. It is having features like booking and buying, where users can book the item in store for one month so that it won’t be sold. It helps when the products are less in quantity and if any customer stays far away from the shop and is afraid of losing that product. This website is built for the local but quite big shop where you will come across various categories of products like stationery, electronics, toys, sports, etc. in one shop. It helps the users to just sit at home and buy or book any particular product with just a few clicks, which is very helpful in pandemic conditions like the novel corona. Its free delivery system is only available in a specific area as it is not a big shop, but planning to increase the area in future.

**Proposed System and its advantages:**

* User's data is protected and stored in a very robust and reliable firestore database.
* Users need to log in/ register and add their area code to book or buy any product.
* It provides very clean and easy-to-understand user settings, with various other feathers.
* It is having a very easy password, username as well as email update system, with very powerful algorithms to prevent clashing with other user's credentials.
* A small guide is provided everywhere, to ensure that users are fully aware of what they are doing.
* It also reduces the workload for the owner to manage and organize products.
* Its master user settings are filled with rich features like adding a new product to shop within just a few clicks, removing any product if it is not present in a shop, etc.

**System Requirements:**

* Hardware Requirements:-
* The system with Linux or windows
* Memory with minimum 2GB ram
* Internal with minimum 1GB storage
* System Requirements:-
* Internet connectivity compulsory
* Any basic browser required like Chrome, Firefox, Opera, etc.

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase Title** | **Expected Date of Completion** | **Actual Time of Completion with Guide’s Signature** | **Remarks** |
| **I. Preliminary Investigation** |  |  |  |
| (i) Introduction |  |  |  |
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| (iii) System Requirements | **28/07/202** |  |  |
| (iv)Phase Title |  |  |  |
| (v) Gantt Chart |  |  |  |
| **II. System Analysis** |  |  |  |
| (i) Event Table |  |  |  |
| (ii) Use Case Diagram | **11/08/2021** |  |  |
| (iii) ERD |  |  |  |
| (iv) Class Diagram |  |  |  |
| **III. System Design** |  |  |  |
| (i) Sequence Diagram | **30/08/2021** |  |  |
| **IV. System Coding** |  |  |  |
| (i) System Coding | **29/09/2021** |  |  |
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**UML Use Case Diagram:**