A

Project Report On

“BLOG WEBSITE USING FLASK PYTHON”

**Submitted By**

**Mr. Pruthviraj Rajendra Chavan 2020082678**

**Mr. Prathamesh Prakash Mandavkar 2020082544**

**Mr. Dhruv Sanjay Sambrekar 2020082547**

**Mr. Shreyas Shridhar Phansalkar 2020082942**

**Mr. Ganesh Hanmant Pawar 2020082557**

**Under the Guidance of**

****

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Dr. D. Y. Patil Pratishthan’s College of Engineering**

**Shivaji University, Kolhapur**

**2021-2022**

**CERTIFICATE**

*This is to certified that, following are the students of class SE, Data science and Engineering, has satisfactorily completed mini project work as per the syllabus of* ***Shivaji University****, Kolhapur, In the subject of* ***PYTHON PROGRAMMING*** *within the given span as per the rules.*

**Name ;-**

**Mr. Pruthviraj Rajendra Chavan 2020082678**

**Mr. Prathamesh Prakash Mandavkar 2020082544**

**Mr. Dhruv Sanjay Sambrekar 2020082547**

**Mr. Shreyas Shridhar Phansalkar 202082942**

**Mr. Ganesh Hanmant Pawar 2020082557**

**Date –**

Prof. Dr. S. R. Arlimatti

**PROJECT GUIDE H.O.D**

Dr. A.M. Mane Dr. S. D. Mane

**CAMPOUS COORDINATOR PRICIPAL**

**2021-2022**

### **ACKNOWLEDGMENT**

### I would like to express my special thanks of gratitude to my guide **Prof. XYZ (Internal guide)** as well as my **external guide** **Dr. XYZ** and our **principal Dr . S. D. Mane** who gave us the golden opportunity to do this research oriented project, which also helped me in doing a lot of research as well as study and We came to know about so many new things related to **BLOG WEBSITE USING FLASK PYTHON.** I am really thankful to my friends who helped me throughout to complete this project. Secondly I would also like to thank my parents who helped me a lot in finalizing this project within the limited time frame.

**Student Name**

**Mr.Pruthviraj Rajendra Chavan**

**Mr. Prathamesh Prakash Mandavkar**

**Mr. Dhruv Sanjay Sambrekar Mr.Shreyas Shridhar Phansalkar**

**Mr. Ganesh Hanmant Pawar**

**Abstract**

A blog or weblog is an online platform publishing so-called blog content. A blog may be the work of a single person or jointly operated by a group of people, and bloggers tend to use [content managament systems](https://www.textbroker.com/content-management-system) or blog software such as WordPress, Blogger, or Joomla. The blog environment is known as the blogosphere.

There are different forms of blogs – the spectrum ranges from online diaries to blogs on particular subjects and [corporate blogs](https://www.textbroker.com/corporate-blog). Most blogs have a thematic focus, such as travel, fashion or recipes, and many professional discussions blogs have become established as a recognized online media resource. As well as private users, many companies have discovered blogging and employ corporate blogs as a tool to communicate with their readers.

There are no creative limits when writing blogs. However, there are certain points to be considered when writing good quality blog texts.

### **DECLARATION BY STUDENT**

I hereby declare that the Project work entitled **Blog Website using Flask Python** completed and written by me has not previously formed the basis for the award of any Degree or Diploma or other similar title of this or any other University or examining body.

**Date:**

**Place:**

**Student Name**

**Mr. Pruthviraj Rajendra Chavan Mr. Prathamesh Prakash Mandavkar**

**Mr. Dhruv Sanjay Sambrekar Mr.Shreyas Shridhar Phansalkar**

**Mr. Ganesh Hanmant Pawar**

**1.Introduction**

A **blog** is a type of **website** that is updated regularly with new content. Most blogs contain short, informal articles called **blog posts**. These posts usually contain some combination of **text**, **photos**, **videos**, and other media. At its core, a blog is just a space on the Web that you can create to record and express your **opinions**, **experiences**, and **interests**.

If you spend much time browsing the Web, you've probably read a blog post before, even if you didn't realize it at the time. Some of the most-read blogs are a bit like online magazines because they're written by a team of people who are paid to update the blog with new posts several times a day.

**State of Art**

* 1. **Overview**

Chances are you've heard about **blogging**. You may have heard a story about a blogger uncovering information about a politician or controversial subject. Maybe you've even read a book or seen a movie based on a blog. What exactly is a blog, anyway?

In this lesson, you'll learn about **blogs** and **bloggers**. You'll also get a look at a few common types of blogs and explore the reasons why people blog.

* 1. **Problem Statement**

As you saw in the infographic on the last page, most bloggers consider blogging a **hobby**. It can be a fairly time-consuming hobby, as many bloggers spend several hours each week writing blog posts, replying to comments, and more. So why do they do it?

There are many reasons why people blog, but here are some of the most common reasons:

* To share your experiences and expertise
* To speak up about an issue you care about
* To become more involved with hobbies and passions
* To be part of a community
* To advance your career or start a career in writing
* To keep family and friends updated about your life

No matter what their **main reason** for blogging is, most bloggers have at least one thing in common: They're **passionate** enough about a topic to **write** about it over and over again, usually for free. If there's a subject you care deeply about, you might enjoy blogging about it. When you have your own blog, you have **unlimited space and freedom** to **express your opinions** and discuss the things you care about with others.

**The Benefits of Blogging for Business**

* It helps drive traffic to your website. ...
* You can repurpose blog content for social media. ...
* It helps convert traffic into leads. ...
* It drives long-term results. ...
* Blogging helps with link building. ...
* It drives long-term results. ...
* It helps you share company news.

1. **Literature Review**

Super market billing system improved many times according to requirement of seller and customers .It describes same work that is calculating the bill , gives it to the customers and maintain proper database . They are accurate in calculation and printing they also generate records.

The concept is also added in the billing system is that they also maintain relationship with the customer who purchase more product from store regularly. System also concerns their requirements and gives them discount. It shows the product details also.

1. **Basic System Architecture**

The Super Market Billing System is the project which place where customers come to purchase their daily products and pay for that. So there is a need to calculate how many products are sold and to generate the bill for the customer.

To make software fast in processing ,with good user interface so that user can change it and it should be used for long time without error and maintenance.

* 1. **Outline of the system**

**3.1.1 Components of the System**

The system is classified mainly into three sections or components, which are as follows –

* **Bill Report:**It displays a bill report for all products entered into the supermarket billing system.
* **Add, Remove, or Edit Item Details:** You may use this feature to add, remove, or edit item details. You may enter information or data such as item number, item name, production date, price, quantity, tax percent, and more in the add items section.
* **Details of the object to be displayed:**While adding an item, this feature allows users to see the products and the data associated with them.
  1. **Proposed System Block Diagram**

Admin

Password

Admin Email

Super Market Billing System

Products

Buyer

B\_ID

Product code

Password

Product Name

Product Price

Discount

**4. Development**

**4.1 Methodology**

1. We collected the Information About the given micro-project topic.
2. We distributed the given work related to the micro-project to all the team members.
3. We discussed about flow of the program in considering the algorithm as were as the flowchart.
4. We executed program in a Visual Studio Code software properly.
5. We have successfully run the program using the PYTHON.
6. We had printout the print of the micro-project.
7. We submitted the project to concerned teacher by taking signature on the report of the Micro-project.

**4.2 Software Requirement details**

## Operating System : Windows7 Front-end : html-boostrap

## Back-end : flask python

Languages Used : python

**4.3 Hardware requirement details**

## Processor : Intel Core i7 Processor

RAM : 8GB(Minimum)

## HDD : 40GB(Minimum)

**4.4 Data Flow Diagram**

Also known as DFD, Data flow diagrams are used to graphically represent the flow of data in a business information system. DFD describes the processes that are involved in a system to transfer data from the input to the file storage and reports generation.

Data flow diagrams can be divided into logical and physical. The logical data flow diagram describes flow of data through a system to perform certain functionality of a business. The physical data flow diagram describes the implementation of the logical data flow

* **Data Flow Diagram**
* **Level 0 DFD**

Buyer

Invoice & Supply

Product Order

Super Market Billing System

* **Data Flow Diagram**
* **Level 1 DFD**

Verify Request

Verification of

Invoice & Supply

Order of Products

Buyer Session

availability

of product

* **Data Flow Diagram**
* **Level 2 DFD**

Get an Order

Buyer

Super Market Billing System

Order

Bill

Prepare the bill

Admin

Receipt

**4.5 Activity Diagram**

An activity diagram is a **behavioural diagram** i.e. it depicts the behaviour of a system. An activity diagram portrays the control flow from a start point to a finish point showing the various decision paths that exist while the activity is being executed.

Start

Email ID

Admin

Account

Password

Buy Product

Buyer

Add

Products

Remove

Delete

Discount

Customer Bill Payment

Bill

**4.6 Project flow Diagram**

**5. Experiment and Results**

**6. Conclusion and Future Works**

**6.1 Conclusion**

A conclusion should summarize the key points. It should have the central theme of the blog that you want the readers to remember. So if your blog shows the benefits of mobile app development for a business, an ideal conclusion would be:

“These were some of the points discussed in the post. These show how higher scalability, lower cost of acquisition, and better outreach of an app can maximize ROI for your business.

Get in touch with professional app development agencies to avail of these advantages. They will have the expertise to build an app for your brand enables unmatched growth.”

**6.2 Future Works**

Client also advice for the payment mode so any organization pay advertisement payment in online way.

The Social Networking Site have wide range to change as per time requirement. That the reason behind that not a particular project is ever considered as complete, because what the demand of user and thinking always change day by day. Always do more than what have.

Some of the enhance which we have thought of are :

User can create his own business Pages for advertisement.

Payment of the advertisement in online mode.

**7. Bibliography**

**7.1 Document Reference**

* **100 Days of Code: The Complete Python Pro Bootcamp for 2022:-https://www.udemy.com/share/103IHM**

**FLASK DOCUMENTATON:-**

[**https://flask.palletsprojects.com/**](https://flask.palletsprojects.com/)

**GINGA DOCUMENTATION:-**

[**https://jinja.palletsprojects.com/**](https://jinja.palletsprojects.com/)