

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



**Final Year Internship Report**  
**On**  
**WEB DEVELOPMENT (DJANGO)**

**Submitted By:**

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE**  
**GWALIOR - 474005 (MP) est. 1957**

**MAY-JUNE 2022**

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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**WEB DEVELOPMENT (DJANGO)**

A final year internship report submitted in partial fulfilment of the requirement for the degree of

**BACHELOR OF TECHNOLOGY**

in

**COMPUTER SCIENCE AND ENGINEERING**

Submitted by:

**Mukul Sharma**

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Internship Faculty Mentor:

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Submitted to:

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE  
GWALIOR - 474005 (MP) est. 1957

**MAY-JUNE 2022**

# INTERNSHIP CERTIFICATE RECEIVED FROM COMPANY



Address: First Floor, Garima Arcade, Shinde ki Chhawani, Gwalior  
Email: [mail@praedicoglobalresearch.com](mailto:mail@praedicoglobalresearch.com)  
Website: [www.praedicoglobalreserach.com](http://www.praedicoglobalreserach.com)

Ref.: PGR-2022/I-530

Date: 11<sup>th</sup> – May - 2022

## CERTIFICATE OF INTERNSHIP

This certificate is awarded to

*Mr./Miss. MUKUL SHARMA*

In appreciation for your accomplishments in the company as an intern  
(Position titled- “*Web Developer - Django*”)  
at Praedico Global Research Pvt. Ltd.,  
from Jan 10<sup>th</sup>, 2022 to May 10<sup>th</sup>, 2022.

We take this opportunity to wish you a long, happy and successful career.

Worlds Finest Robotic Stock Researchers

Authorized Signatory

Praedico Global Research Pvt. Ltd.

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

## **CERTIFICATE**

This is certified that **Mukul Sharma** (0901CS181062) has submitted the Internship report titled **Web Development (Django)** of the work he has done under the mentorship of **Prof. Dr. R. K. Gupta**, in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.



**Dr. R. K. Gupta**  
Faculty Mentor  
Professor  
Computer Science and Engineering



**Dr. Manish Dixit**  
Professor and Head,  
Computer Science and Engineering  
**Dr. Manish Dixit**  
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**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

**DECLARATION**

I hereby declare that the work being presented in this Internship report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in CSE at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Dr. R. K. Gupta, Professor**, Department of Computer Science and Engineering.

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.



Mukul Sharma  
0901CS181062

IV Year,  
Computer Science and Engineering

## **MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

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### **ACKNOWLEDGEMENT**

The full semester internship has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary internship as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering**, for allowing me to explore this internship. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Dr. R. K. Gupta**, Professor, Department of Computer Science and Engineering, for his continued support and close mentoring throughout the internship. I am also very thankful to the faculty and staff of the department.



Mukul Sharma  
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## **ABSTRACT**

This report provides an in-depth analysis of my four-month internship at Praedico Global Research Private Limited. This is a private company that was founded on April 9 2018. They deal in Stock Market Training, Stock Marketing Predictive Software, Robotic Stock Trading, Global Equity Research, Portfolio Designing, Financial Literacy and Stock Market Research Using Deep Learning.

I learned a lot about Web development using Django and its various applications throughout my internship. I learned how to work in a corporate environment, which has helped me grow professionally. My internship mentor and other people in the department valued my efforts. My internship has had a significant impact on my career growth since I have had the opportunity to work on a real-world project and understand how the web development industry works and evolves.

In looking back on my time at Praedico Global Research Private Limited, I can say that the internship program has improved my knowledge base and had significant effects on my abilities in areas such as teamwork, analyzing, document writing, organizational, and intercultural understanding.

## सार

यह रिपोर्ट प्रेडिको ग्लोबल रिसर्च प्राइवेट लिमिटेड में मेरी चार महीने की इंटर्नशिप का गहन विश्लेषण प्रदान करती है। यह एक निजी कंपनी है जिसे 9 अप्रैल 2018 को स्थापित किया गया था। वे स्टॉक मार्केट ट्रेनिंग, स्टॉक मार्केटिंग प्रेडिक्टिव सॉफ्टवेयर, रोबोटिक स्टॉक ट्रेडिंग, ग्लोबल इकिटी रिसर्च, पोर्टफोलियो डिजाइनिंग, फाइनेंशियल लिटरेसी और स्टॉक मार्केट रिसर्च में डीप लर्निंग का उपयोग करते हैं।

मैंने अपनी इंटर्नशिप के दौरान Django और इसके विभिन्न अनुप्रयोगों का उपयोग करके वेब विकास के बारे में बहुत कुछ सीखा। मैंने कॉर्पोरेट वातावरण में काम करना सीखा, जिससे मुझे पेशेवर रूप से बढ़ने में मदद मिली है। मेरे इंटर्नशिप मेंटर और विभाग के अन्य लोगों ने मेरे प्रयासों की सराहना की। मेरी इंटर्नशिप का मेरे करियर के विकास पर महत्वपूर्ण प्रभाव पड़ा है क्योंकि मुझे एक वास्तविक दुनिया की परियोजना पर काम करने और यह समझने का अवसर मिला है कि वेब विकास उद्योग कैसे काम करता है और विकसित होता है।

प्रेडिको ग्लोबल रिसर्च प्राइवेट लिमिटेड में अपने समय को देखते हुए, मैं कह सकता हूं कि इंटर्नशिप कार्यक्रम ने मेरे ज्ञान के आधार में सुधार किया है और टीम वर्क, विश्लेषण, दस्तावेज़ लेखन, संगठनात्मक और अंतरसांस्कृतिक समझ जैसे क्षेत्रों में मेरी क्षमताओं पर महत्वपूर्ण प्रभाव पड़ा है।

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# CHAPTER – 1: INTRODUCTION

## 1.1 Introduction

Sometimes the blogs are easy to attract the peoples/audience by serving them some exciting topics and content, Every time peoples have new idea whether it's about blogging, newly launched Gadgets, Social Media, Stock Market and etc. In this Blogging Site User can Add, Update, Delete, View Category and Subcategory Available, and can contact with using contact form available on site but User have to create an account to add blogs or to read blogs or if already signup can directly login and access the user side and on the Other side there is admin panel who can access all the component present in the site, admin can add Category, Subcategory according to the feedback of the user and also able to see the user and the blogs added by user and can take action on the blogs and user . We can serve them Information in the form of:-

- Existing Community
- To Promote a Product
- Sharing an Important News
- To Answer a Questions

The term "blog" is an abbreviated variant of the phrase "weblog," which refers to websites that keep a running record of content. A blog is a website that posts diary-style remarks and connections to other websites' material in reverse chronological order. Blogs include a wide range of topics, from personal to political, and can be devoted to one or several subjects.

Many blogs are devoted to a single subject, such as web design, house staging, sports, or mobile technology. Some are more diverse, including links to a wide range of other websites. Others are more like personal diaries, with the author's daily activities and thoughts detailed.

Bloggers are individuals who write blogs. You would imagine that bloggers are all young, politically active, and tech-savvy based on what you hear on the news. Perhaps you've heard of bloggers who wrote about incredible adventures or ambitious initiatives and then transformed their blogs into best-selling books. While some bloggers fulfil these categories, the vast majority do not. In truth, there is no such thing as a "typical" blogger; blogs are created by people of diverse ages, backgrounds, and professions.

People blog for a variety of reasons, but here are a few of the most common:

- 1 To share your knowledge and experiences.
- 2 To become more involved with interests and passions to speak up about a topic you care about.
- 3 To be a part of a group.
- 4 To develop your writing career or to begin one.

## **1.2 Objectives**

According to my analysis of the blogging website, I have established a platform for ordinary people to read and write blogs. They also wish to offer their expertise, publications, and other materials.

The objectives of developing this project are:-

1. To learn and apply the Django to create web applications.
2. To develop a user-friendly blog management system.
3. To give a platform to Bloggers.
4. To create a digital portfolio of Bloggers.

## **1.3 Scope**

A blogging system can be used on its own or as part of a larger website. Blogging websites are essential for organizations to communicate about new products and developments.

Blogs are also used by certain businesses to market their products and services.

So, the scope of our project is to vastly expand the following field are:-

1. Personal blogs
2. Corporate and organizational blogs
3. Genre blogs

## **1.4 System Requirement**

- Hardware Requirements**

The selection of hardware is very important in the existence and proper working of any software. When selecting hardware, the size and requirements are also important.

- Processor - Intel CORE i3
- RAM - 8.0 GB
- Hard Disk Drive - 256 GB

- Software Requirements**

Operating System – Windows 11

Compiler – Pycharm

Database – db sqlite database

Web Server: Django

Browser – IE, Mozilla Fire fox, Google Chrome etc.

## CHAPTER-2: TECHNICAL DESCRIPTIONS

- **Web Development**

Web development is known as creating a website that contains many page designs and maintaining it. Web development include 3 types:

### **Front-End**

Front-end is used for the look of website which contains icon, images, color, type, and toggling the Web-page look on other devices like phone, tablets and laptops etc. programming Languages used for front-end is HTML, CSS, and JAVASCRIPT.

### **Back-End**

Back-end is used for building and maintaining website code which helps them to run website. The servers are connected to website using code and ensure that the data is flowing properly to the website. Programming language used are JavaScript, PHP, MySQL, Python and some new languages

### **Full-Stack –**

Full-Stack Web Developer Covers both back-end and front-end responsibilities, they are generally responsible for identifying cutting-edge technology.

## **2.1 Technologies and Development Tools Used**

- **HTML**

HTML, or Hyper Text Markup Language, is the industry standard markup language for web-based writing. Cascading Style Sheets (CSS) and computer languages like JavaScript may both assist. Web browsers translate HTML documents received from a web server or locally saved files into multimedia web pages. HTML included visual clues for the document's appearance and logically outlined the structure of a web page at first.

HTML structures can be used to embed images and other objects, such as interactive forms, in the final page. By defining structural semantics for text such as headers, paragraphs, and lists, HTML helps you to create well-organized texts.

HTML is a markup language used to create web pages. The structure of a Web page is described in HTML. It is made up of several components.

- **CSS**

CSS (Cascading Style Sheets) is a style sheet language that describes how a document authored in a markup language should look. Although this is most widely used to style HTML and XHTML web pages and user interfaces, the language may be used to style any XML file, includes plain XML, SVG, and XUL, and can be rendered in voice or on other media. CSS, like HTML and JavaScript, is a foundational technology used by most websites to produce aesthetically appealing web pages, web app interfaces, and mobile application user interfaces. CSS is largely intended to separate appearance from content, including elements like as layout, colors, and fonts. This distinction can help.

- **Java-script**

JavaScript is a dynamic programming language for computers. It is a lightweight component of web pages whose implementations enable client-side script to interact with users and create dynamic sites. It is an object-oriented programming language that is interpreted.

JavaScript was originally known as Live Script, but due to the buzz around Java, Netscape changed its name to JavaScript. Live Script was the moniker given to JavaScript when it originally appeared in Netscape 2.0 in 1995. The language's general-purpose core has been integrated into Netscape, Internet Explorer, and other web browsers.

A standard version of the basic JavaScript language was established by the ECMA-262 Specification. JavaScript is an interpreter, lightweight programming language. Create network-centric apps with this framework.

- **SQL**

SQL is a relational algebra and tuple relational algebra-based data definition, data manipulation, and data manipulation language. SQL covers data entry, query, update, and deletion, schema construction and change, and data access control. SQL is often thought of as a declarative language (4GL), which it is to some extent, but it also incorporates procedural features. Edgar F. Codd's relational data model, according to his renowned 1970 paper, "A Relational Paradigm of Data for Massive Sharing Data."

SQL stands for Structured Query Language, and it is a computer language used to store, manipulate, and retrieve data from a relational database.

SQL is the standard language for Relational Database Systems. The standard database language is SQL. Used by all Relational Database Management Systems (RDMS) such as MySQL, Oracle and SQL Server.

- **Pycharm**

Pycharm is an integrated development environment (IDE) for computer programming that focuses on the Python programming language. It was developed by Jet Brains, a Czech company. For web development and data science, it offers code analysis, a graphical debugger, an integrated unit tester, Django and Anaconda support respectively.

Pycharm has versions for Windows, Mac OS X, and Linux. The Apache License governs the Community Edition, although there is also an educational edition and a Professional Edition with more features.

Features:

- ✓ Code completion, syntax and error highlighting, and fast fixes are all available as part of the coding support and analysis.
- ✓ Customized project views, file structure views, and easy skipping between files, classes, functions, and usages.
- ✓ Django, web2py, and Flask are supported web frameworks.
- ✓ Line-by-line code coverage during integrated unit testing.
- ✓ It Support for scientific tools such as Matplotlib, NumPy, and SciPy.

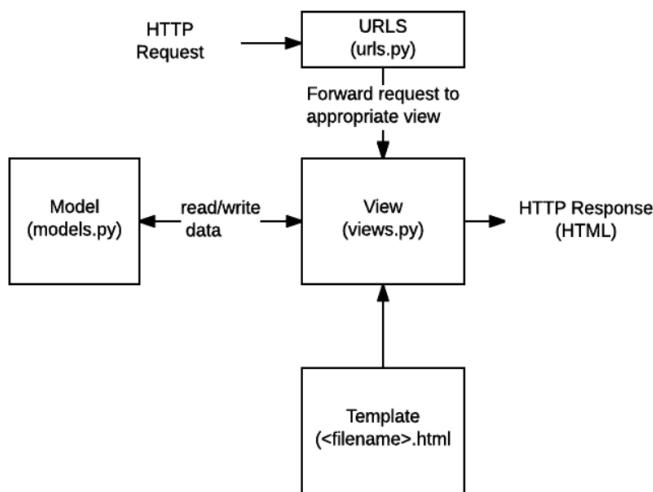
- **Django**

Django is a free and open-source Python-based web application framework. It's designed with a simple, functional aesthetic in mind. It was built by experienced developers to make laborious tasks easier so that we can focus on developing apps instead of reinventing the wheel.

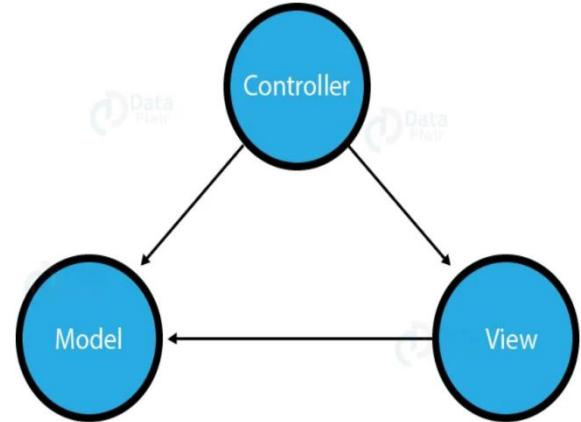
The following are some of the qualities that make Django an excellent framework for developing web applications:

- ✓ Django development moves at a breakneck pace. Our concepts may easily transform into a product.
- ✓ Django comes with hundreds of projects that may be used to do typical tasks like user login, authorization, and content management.
- ✓ Django is versatile enough to be utilised for practically any project, from content management systems to e-commerce websites to on-demand delivery platforms.
- ✓ Cross-site request forgery, cross-site scripting, SQL injection, and clickjacking are all prevalent security vulnerabilities that Django can avoid.
- ✓ Django websites are scalable, meaning they can scale quickly to meet large traffic needs.

Django Follows the MVT/MVC Pattern :-



**Fig.01 - How Django framework works.**



**Fig.02 - The MVC design pattern.**

- **Bootstrap**

Bootstrap is a front-end web development CSS framework that is mobile-first, responsive, and open-source. It includes design templates for typography, forms, buttons, navigation, and other interface elements in CSS and JavaScript. On Git-Hub, Bootstrap is the sixth most-starred project.

Bootstrap is a web framework that makes designing informative web pages easier. The color, size, font, and layout options are the main reasons for utilizing Bootstrap in a web project. As a result, the most important element is whether or not the main developers like the alternatives. Bootstrap offers fundamental style definitions for all HTML components once deployed. Writing, tables, and other skills have grown more difficult as a result.

## 2.2 Purpose

Purpose of document is:

- ✓ To define the technical & operational feasibility.
- ✓ To ensure that requirements of the proposed system are complete and clear.
- ✓ To provide a basis for the subsequent design, development and testing phases of entire application.
- ✓ To ensure that there are no misunderstandings or omissions in functionality.

## 2.3 Features

- ✓ Website for Bloggers.
- ✓ Admin and User can login with email id registered with it.
- ✓ Clean design and easy to use.
- ✓ User can update, delete their own blogs
- ✓ Admin will have access to complete site.

# CHAPTER 3: PRELIMINARY DESIGN & ANALYSIS

## 3.1 Modules & Their Description

Blogging Site, as the name suggests is a website where anyone can easily create and manage blogs from a list of various available categories.

This project is developed using the Python with Django and it has two major modules:

- Admin
- User

### ➤ Admin

- The Blogging Site will allow the admin to add the categories, sub-category & it also perform create, update & delete operations. If he/she should have credentials to login. (**Login**)
- If he/she should not have credentials to login. Then, they will create a new account with the given email Id and newly created password by Using the Login Button on the website to create login credentials. As soon as the admin login in a session they will be perform create, update & delete operations. (**Registration**)
- The Blogging Site will allow the admin to see the list of all the registered users. (**All users**)
- The Blogging Site will allow the admin to see all the blogs which have been posted on the website. And admin can also delete blogs if he feels they not needed. (**All Blogs**)
- In The Blogging Site logout button is also there to log out of the website. (**Logout**)

The main users of this project are bloggers (user) and administrators. From an admin-user perspective, the Blogging Site project consists of following functional elements:

- (**Registration**)
- (**Login**)
- (**Manage blogs & categories**)
- (**See All User**)
- (**Logout**)

## ➤ User

- The Blogging Site will allow the users to publish the blogs. And it also see the categories, subcategory for blog post. It also perform create, update & delete operations on blogs. If he/she should have credentials to login. (**Login**)
- If he/she should not have credentials to login. Then, they will create a new account with the given email Id and newly created password. By Using the Sign up Button on the website to create login credentials. As soon as the user login then, they will be perform operations. (**Registration**)
- The Blogging Site will allow the users in user panel to see all blogs, my blogs, add blog. It also perform create, update & delete operations on all blogs, my blogs but in add blog by Clicking on this link a form will open using which a user can select category then subcategory and title ,image, add content for the add blog and click on the submit to upload the blog.

### **(See All Blogs, My Blogs & Post Blog)**

- In The Blogging Site contract form is also there. By using this form users can submit their which they are facing any issue regarding the website. (**Contract**)
- In The website logout button is also there to log out of the website. (**Logout**)

The main users of this project are bloggers (user) and administrators. From an end-user perspective, the Blogging Site project consists of following functional elements:

- (**Registration**)
- (**Login**)
- (**See All Blogs, My Blogs & Post Blog**)
- (**Contract**)
- (**Logout**)

## ➤ Functional Details

- First user has to register using their Email-ID
- User would be required to login for the access to the website. He must use his registered email address and password to log in.
- After login user will have a user panel in which options are presents like Add Blogs, show blogs, show category available, show Subcategory available, and can update or delete the blogs.

### 3.2 Diagram

- ER Diagram

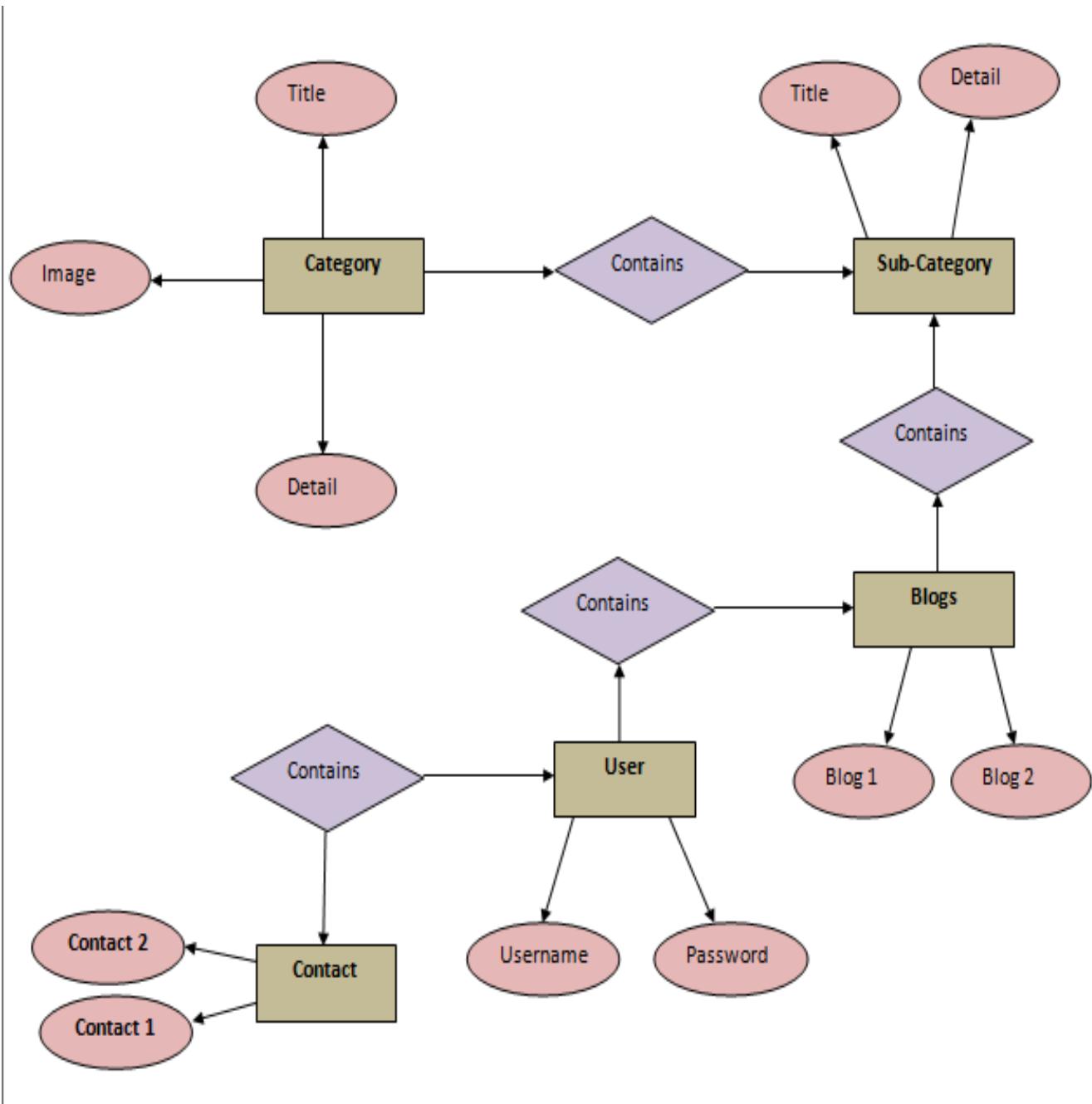
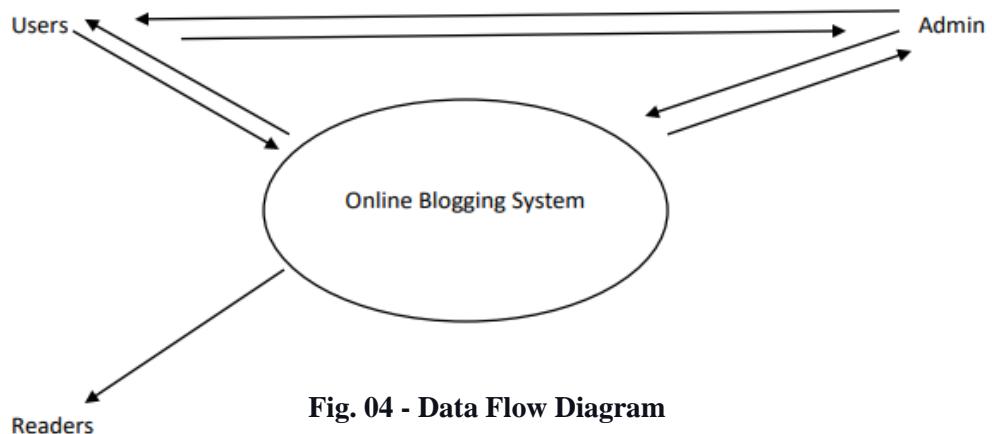


Fig.03- ER Diagram

- **Data Flow Diagram (DFD)**

The movement of data through a system or process is depicted in a data flow diagram. It includes data inputs and outputs, as well as data repositories and the sub processes that the data flows through. DFDs employ standardized symbols and syntax to define various entities and their connections. In this reader can read data but the admin and the user can get and post data to database.

✓ **Context Level**

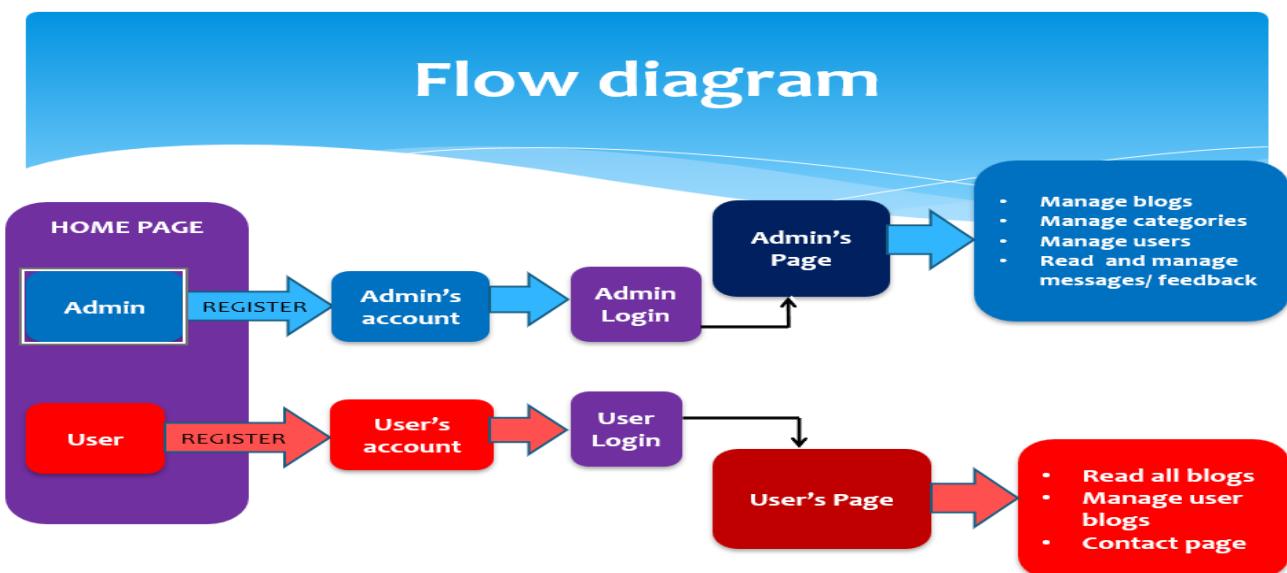


**Fig. 04 - Data Flow Diagram**

This context diagram shows the entire Online Blogging System as a single process

✓ **High Level Diagram**

All processes at the first level of numbering, data storage, external entities, and data flow between them are shown at this level. The goal of this level is to demonstrate the primary high-level processes and their interconnections.



**Fig.05 Flow Diagram**

# CHAPTER 4: FINAL ANALYSIS AND DESIGN

## 4.1 Software Development

### **Phase 1: Gathering and analyzing requirements:**

As part of the regular procedure, we will construct a non-functional static prototype of the website. This prototype will show you what the finished website will look like.

### **Phase 2: Designing**

The system and software design documents are created in this phase based on the requirement definition document. This aids in the overall system architecture definition. We'll assign a designer to your project to create a user-friendly, eye-catching design. You can use any reference website or template to ensure a high-quality design. This will assist us in visualizing your requirements and providing the website of your choices.

### **Phase 3 Coding**

Developers begin building the entire system in this phase by developing code in the programming language of choice.

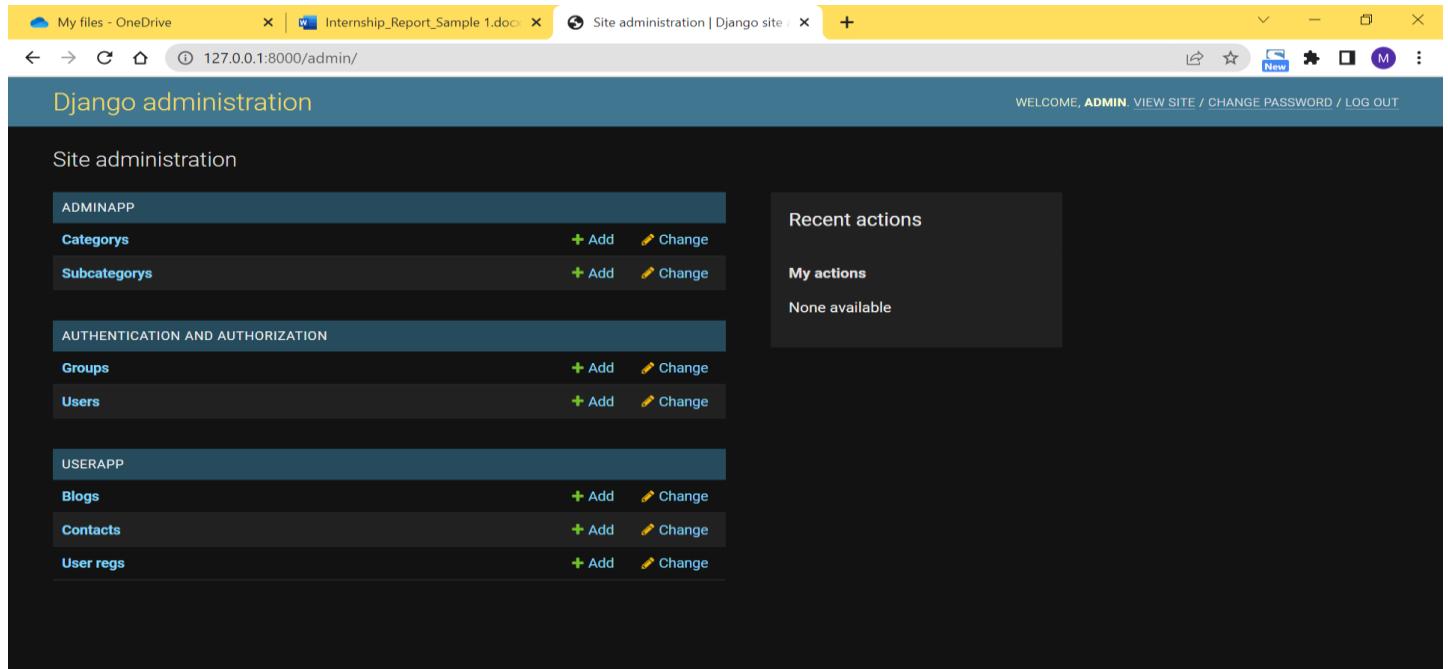
### **Phase 4: Testing**

The software will be deployed in the testing environment once it has been completed. The testing team begins testing of full application. This will be done to ensure that the entire application functions as you expect. Testing teams may discover faults or defects during this phase, which they will report to our developers. The development team will address the issue and re-test it. This procedure will be repeated until the software is bug-free, stable, and meets your business requirements.

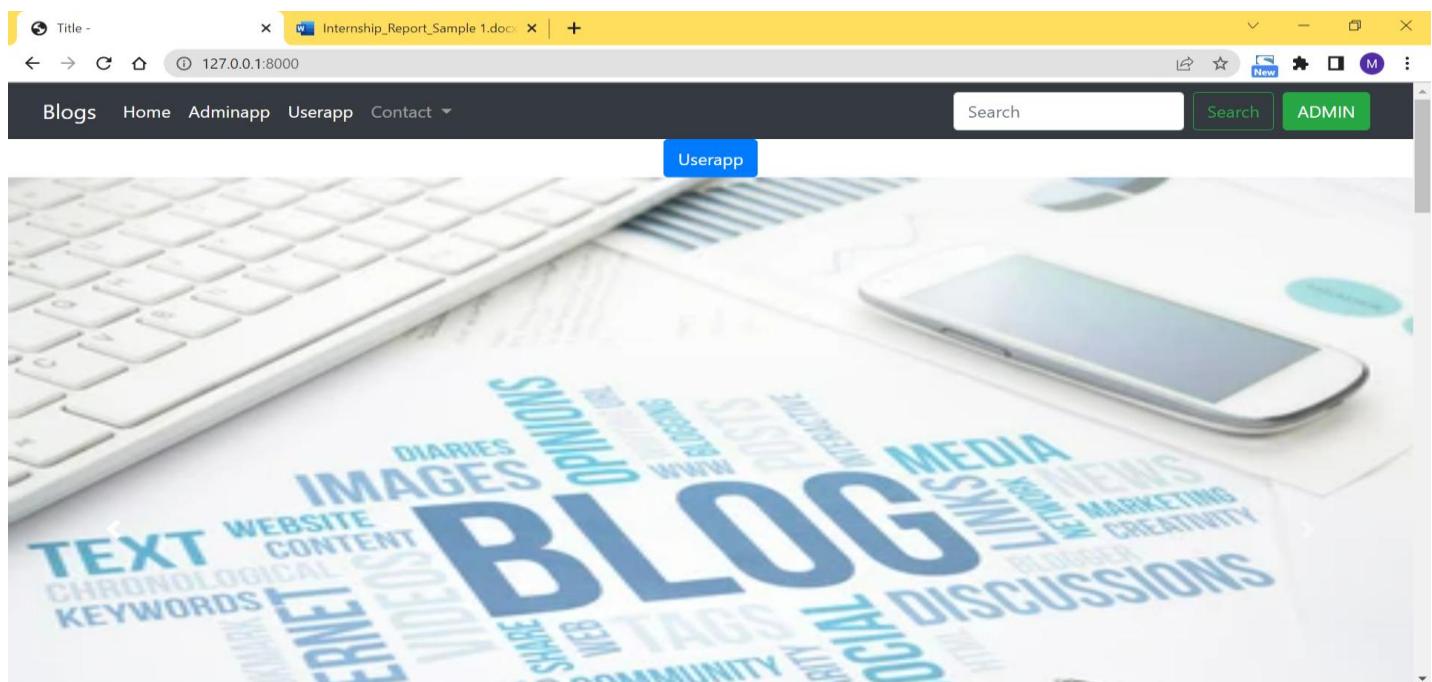
### **Phase 5: Deployment**

Once the software testing phase is over and no bugs or errors left in the system then the final deployment process will start.

## 4.2 Screens Shorts of Website



## Fig.06 – Django Administration Page



**Fig.07 – Web-Site Landing Page**

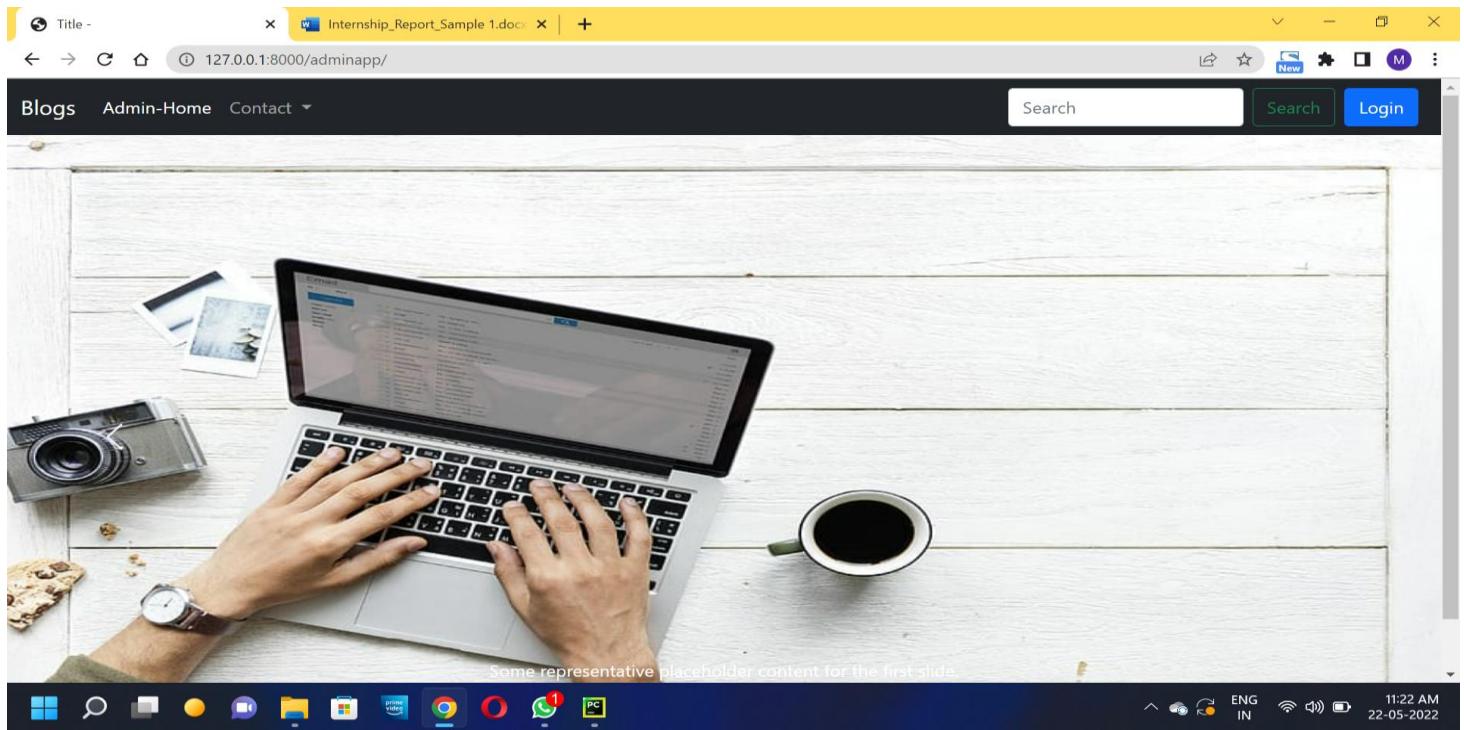


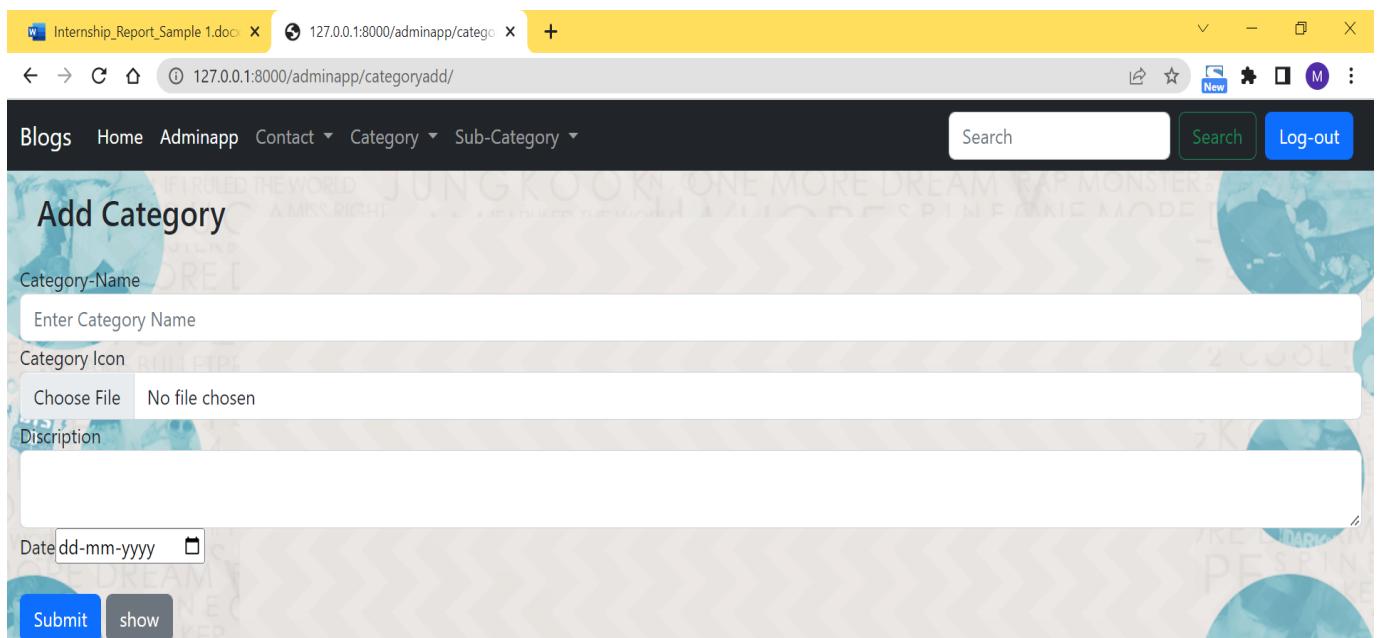
Fig.08 – Admin Module Index Page

## Admin Login

Login ID

Password

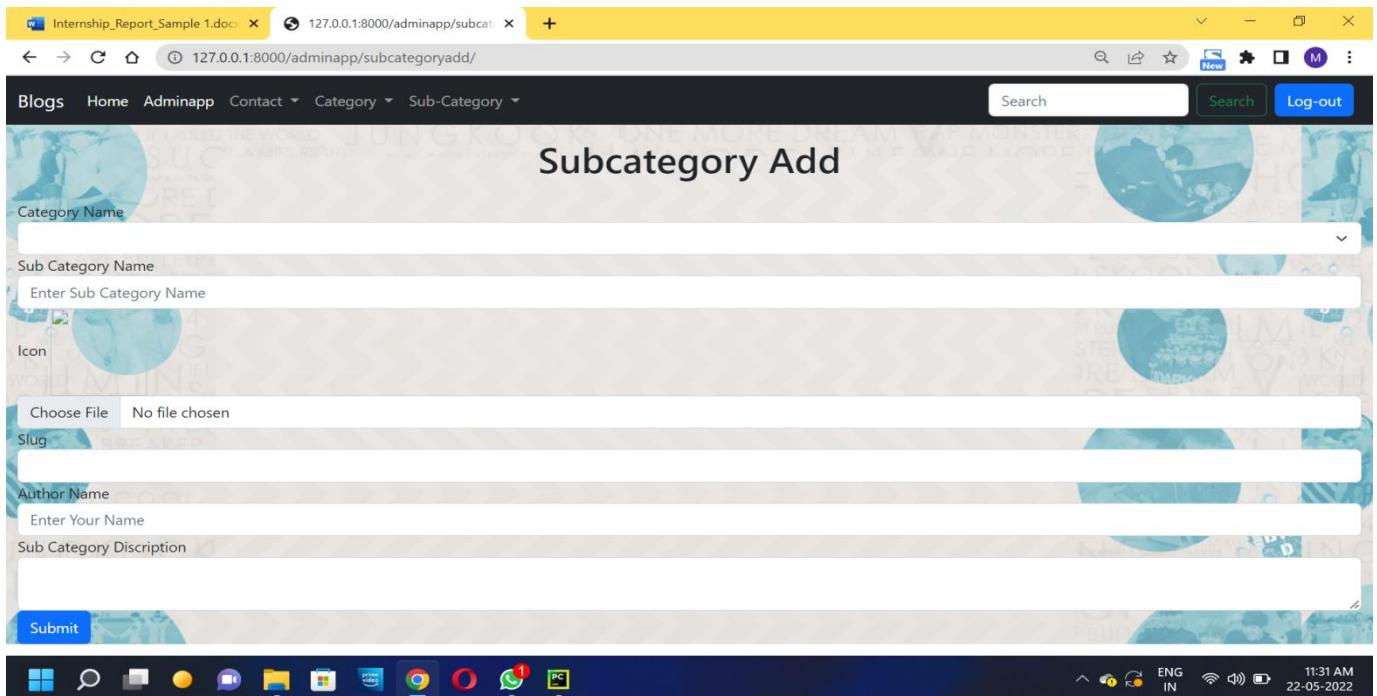
Fig.09 - Admin login



The screenshot shows a web browser window with a yellow header bar. The address bar shows the URL `127.0.0.1:8000/adminapp/categoryadd/`. The page title is "Add Category". The navigation bar at the top includes links for "Blogs", "Home", "Adminapp", "Contact", "Category", and "Sub-Category". On the right, there is a "Search" input field, a "Search" button, and a "Log-out" button. The main content area has a form with the following fields:

- Category-Name:** A text input field with placeholder text "Enter Category Name".
- Category Icon:** A file upload input field with placeholder text "Choose File" and "No file chosen".
- Description:** A text area for entering a description.
- Date:** A date input field with placeholder text "dd-mm-yyyy".
- Buttons:** "Submit" and "show" buttons.

**Fig.10 – Admin Module For Add Category**



The screenshot shows a web browser window with a yellow header bar. The address bar shows the URL `127.0.0.1:8000/adminapp/subcategoryadd/`. The page title is "Subcategory Add". The navigation bar at the top includes links for "Blogs", "Home", "Adminapp", "Contact", "Category", and "Sub-Category". On the right, there is a "Search" input field, a "Search" button, and a "Log-out" button. The main content area has a form with the following fields:

- Category Name:** A text input field with placeholder text "Enter Sub Category Name".
- Icon:** A file upload input field with placeholder text "Choose File" and "No file chosen".
- Slug:** A text input field.
- Author Name:** A text input field with placeholder text "Enter Your Name".
- Sub Category Description:** A text area for entering a description.
- Buttons:** "Submit" and "show" buttons.

**Fig.11- Admin Module For Add Subcategory.**

**Fig.12- Admin Module For Show Category & admin can also perform update and delete operations**

**Fig.13- Admin Module For Show Sub-Category & it can also perform update and delete operations**

**User Registration**

---

Username

Phone Number

Email

Date

Close

Password

Confirm Password

Register

**User Login**

---

Login ID

Password

Login

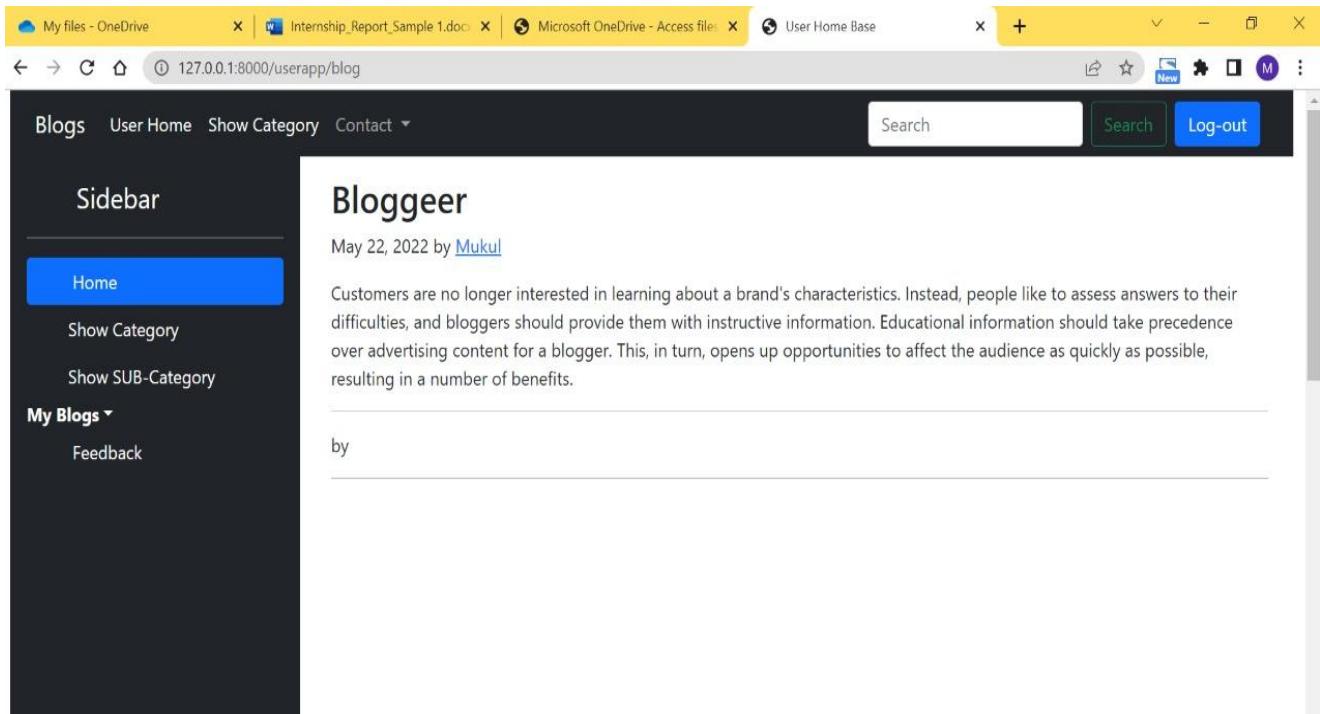
Close

**Fig.14- User Module For User Registration & User Login**

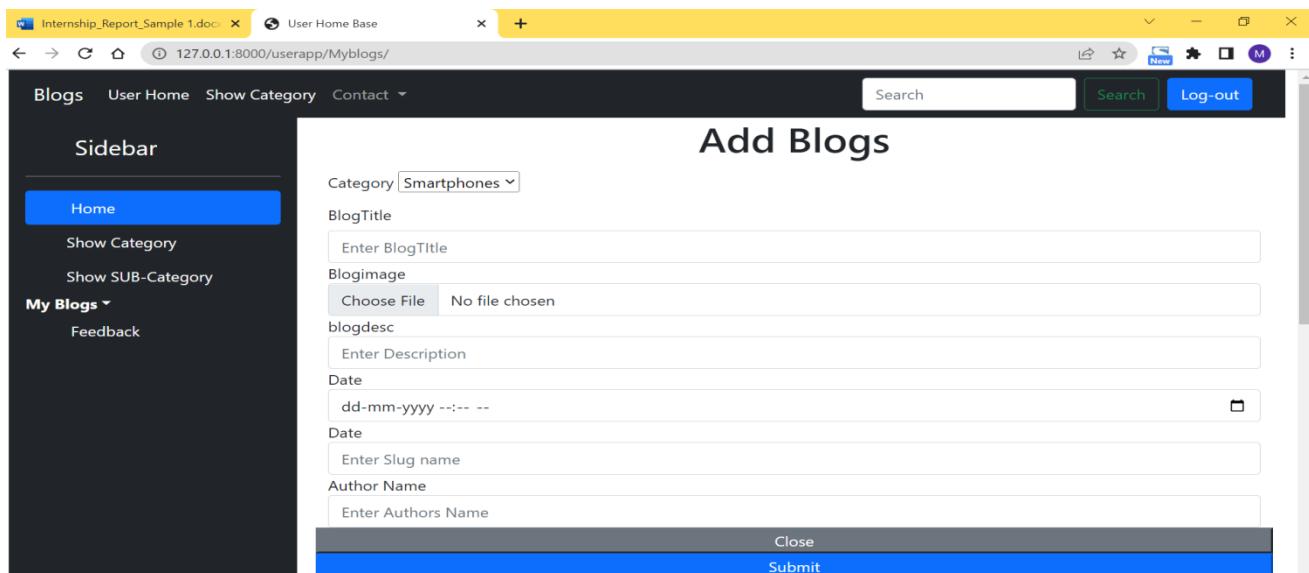
The screenshot shows a web browser window with the following details:

- Address Bar:** 127.0.0.1:8000/userapp/baseuserapp/
- Header:** Internship\_Report\_Sample 1.docx, User Home Base, +, Search, Log-out
- Sidebar (Left):**
  - Home (highlighted in blue)
  - Show Category
  - Show SUB-Category
  - My Blogs ▾
  - Feedback
- Content Area:**
  - A large empty image placeholder.
  - Article by Mukul**
  - company**
  - May 9, 2022
  - <https://nsiteam.com/social/wp-content/uploads/2014/11/blog-background-1.jpg>
  - Continue reading**

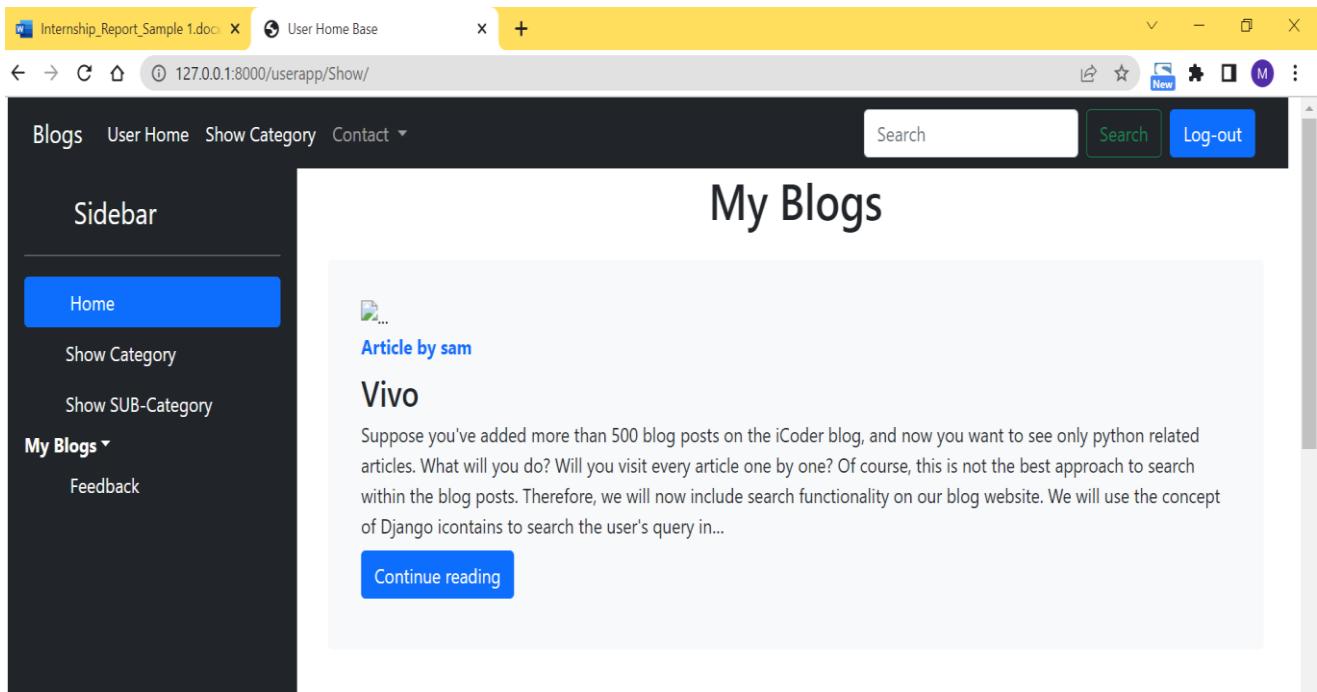
**Fig.15- User Module Home Page After Login**



**Fig.16- User Can View & Read Blog**

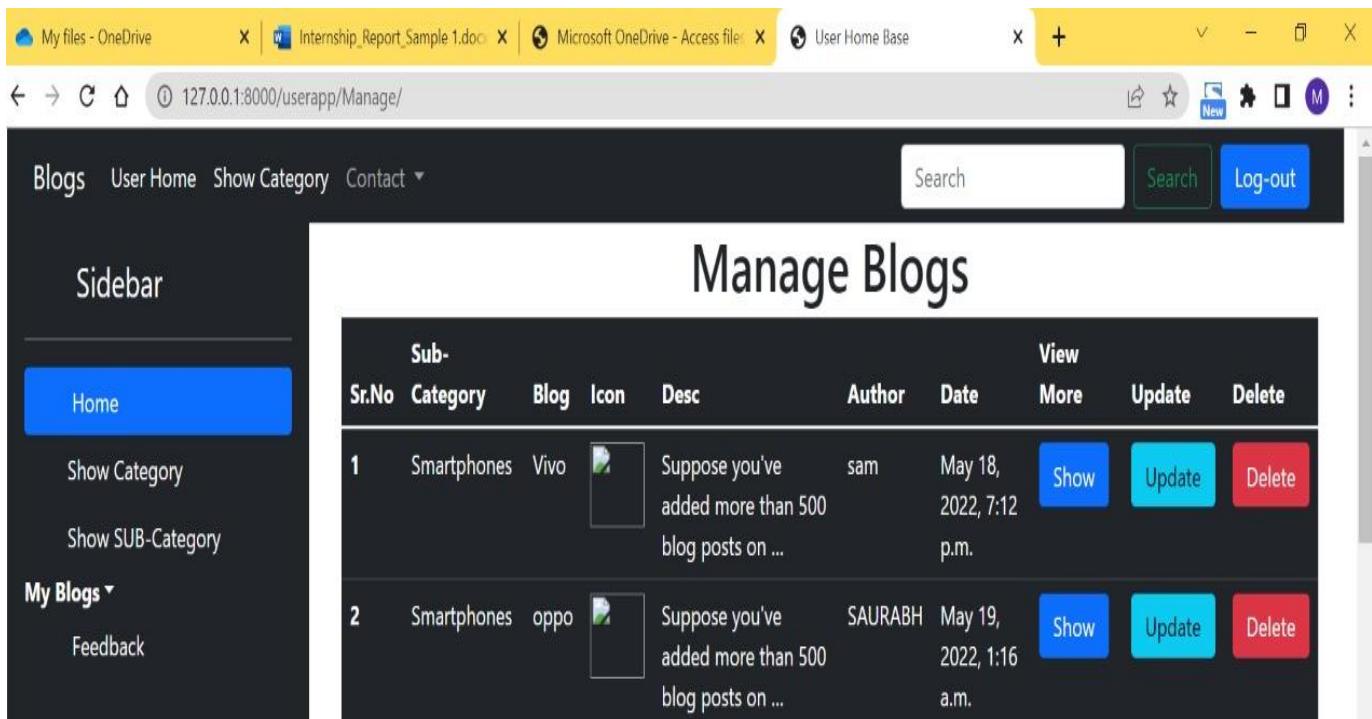


**Fig. 19 - User Module For Add Blogs**



The screenshot shows a web browser window with a yellow header bar. The address bar displays the URL `127.0.0.1:8000/userapp/Show/`. The main content area has a dark header with links for 'Blogs', 'User Home', 'Show Category', 'Contact', a search bar, and a 'Log-out' button. The main content area is titled 'My Blogs' and displays a single blog post. The post has a placeholder image, the author 'Article by sam', the title 'Vivo', and a descriptive text: 'Suppose you've added more than 500 blog posts on the iCoder blog, and now you want to see only python related articles. What will you do? Will you visit every article one by one? Of course, this is not the best approach to search within the blog posts. Therefore, we will now include search functionality on our blog website. We will use the concept of Django icontains to search the user's query in...'. A blue 'Continue reading' button is at the bottom of the post.

**Fig. 20- User Module For My Blogs**



The screenshot shows a web browser window with a yellow header bar. The address bar displays the URL `127.0.0.1:8000/userapp/Manage/`. The main content area has a dark header with links for 'Blogs', 'User Home', 'Show Category', 'Contact', a search bar, and a 'Log-out' button. The main content area is titled 'Manage Blogs' and displays a table of blog posts. The table has columns for 'Sr.No', 'Category', 'Blog', 'Icon', 'Desc', 'Author', 'Date', and 'View' (with 'More', 'Update', and 'Delete' sub-options). The table contains two rows of data:

Sr.No	Sub-				Author	Date	View		
	Category	Blog	Icon	Desc			More	Update	Delete
1	Smartphones	Vivo		Suppose you've added more than 500 blog posts on ...	sam	May 18, 2022, 7:12 p.m.	<a href="#">Show</a>	<a href="#">Update</a>	<a href="#">Delete</a>
2	Smartphones	oppo		Suppose you've added more than 500 blog posts on ...	SAURABH	May 19, 2022, 1:16 a.m.	<a href="#">Show</a>	<a href="#">Update</a>	<a href="#">Delete</a>

**Fig. 21- User Module For Manage Blogs it can also perform update and delete operations**

The screenshot shows a web application interface. On the left, there is a sidebar with the following navigation links: 'Blogs', 'User Home', 'Show Category', 'Contact', 'My Blogs', and 'Feedback'. The 'Home' link is highlighted with a blue background. The main content area is titled 'Contact Form'. It contains four input fields: 'Name' (placeholder: 'Enter Your Name'), 'Mobile' (placeholder: 'Enter Your Mobile'), 'Email' (placeholder: 'Enter your email'), and 'Description' (placeholder: 'Enter Your Queries'). Below these fields are two buttons: 'Close' and 'submit'. The browser's address bar shows the URL '127.0.0.1:8000/userapp/Mycontact/'. The top of the browser window has standard controls like back, forward, and search.

**Fig. 22- Contact Form Page for User**

### 4.3 Future Enhancements

This project was created to meet the need for a common blogging platform for educational purposes. However, there is plenty of room to improve the Blogging Site's performance in areas such as user interface, database performance, and query processing time, among others. The proposed system's goal is to create a system with improved facilities.

The following are possible future enhancements to the project:

- ✓ Like button and like count feature on blogs.
- ✓ Creation of a mobile application that can run on a variety of operating systems and devices.
- ✓ Data protection.
- ✓ Improved customer service.

## 4.4 Conclusion

The “Blogging Site” project has been successfully designed and tested. The presence of every module has been reasoned out and placed carefully thus contributing to the best working of the unit. So, now the end result is a fully working blogging website that can be integrated with another website or work stand-alone.

Using the website users can create a new account with their personal details and start creating blogs right away. It also provides users with many features to manage their blogs and many more features for the admin to manage everything on the website.

This internship program has offered me a great opportunity to grow and develop. It has propelled me to be able to overcome challenges and develop my career. The program has enhanced my critical thinking, technical and analytical skills as well as improved my ability to work in a corporate environment.

## REFERENCES

- [www.google.com](http://www.google.com) (for problem solving)
- [www.getbootstrap.com](http://www.getbootstrap.com)
- <https://en.wikipedia.org>
- <https://docs.djangoproject.com/en/4.0/> (Django documentation)

## APPENDIX (CONTAINING ALL SIGNED FPRS)

### FORMAT

#### FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Mukul Sharma		Department	Computer Science & Engineering	
Industry/Organization	Praedico Global Research		Date/Duration	10-01-22 To 31-01-22	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation			✓		
Performance/Quality of work			✓		
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work			✓		
Comment on nature of work done/Area/Topic	HTML CSS JS done				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Pushkar Goyal				
Signature of Industry Mentor	Pushkar				

Receiving Date		Name of Faculty Mentor :	Prof R.K. Gupta	Sign	
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## FORMAT

### FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Mukul Sharma		Department	Computer Science & Engineering	
Industry/Organization	Praedico Global Research		Date/Duration	01-02-2022 to 15-02-2022.	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			✓		
Learning capacity/Knowledge up gradation			✓		
Performance/Quality of work			✓		
Behaviour/Discipline/Team work			✓		
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	DBMS SQL , Python Core Done.				
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>				
Name of Industry Mentor	Pushkar Tyasal				
Signature of Industry Mentor					

Receiving Date		Name of Faculty	Prof R.K. Gupta	Sign
		Mentor :		

## FORMAT

### FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Mukul Sharma		Department	Computer Science & Engineering	
Industry/Organization	Praedico Global Research		Date/Duration	16-02-2022 to 28-02-2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p style="margin: 0;">OOPS Concept, Bootstrap, Database Connectivity with SQL.</p> <p style="margin: 0; text-align: center;">Done.</p>				
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>				
<u>Name of Industry Mentor</u>	Pushkar Goyal				
<u>Signature of Industry Mentor</u>	<u>Pushkar</u>				

Receiving Date		Name of Faculty Mentor :	Prof R.K. Gupta
			Sign

## FORMAT

### FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Mukul Sharma		Department	Computer Science & Engineering	
Industry/Organization	Praedico Global Research		Date/Duration	01-03-2022 to 31-03-2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p style="margin: 0;">DJANGO Project Implementation Start.</p> <p style="margin: 0;">Create static web Pages.</p>				
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>				
<u>Name of Industry Mentor</u>	Pushkar Goyal				
<u>Signature of Industry Mentor</u>	Pushkar				

Receiving Date		Name of Faculty Mentor :	Prof R.K. Gupta	Sign	
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## FORMAT

### FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Mukul Sharma		Department	Computer Science & Engineering	
Industry/Organization	Praedico Global Research		Date/Duration	1 April - 15 April	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Working on Project.				
OVERALL GRADE (Any one)	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>				
Name of Industry Mentor	Pushkar Goyal				
Signature of Industry Mentor	<u>Pushkar</u>				

Receiving Date		Name of Faculty Mentor :	Prof R.K. Gupta	Sign	
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**MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR**

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Date:

**FORMAT**

**FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR**

Name of student	Mukul Sharma		Department	CSE	
Industry/Organization	Bridges Global Research		Date/Duration	16/04/22-30/04/22	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Working on projects frontend and backend.				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Pushkar Goyal				
Signature of Industry Mentor	Pushkar				

Receiving Date		Name of Faculty Mentor	R.K. Gupta	Sign	
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## FORMAT

### FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Mukul Sharma		Department	Computer Science & Engineering	
Industry/Organization	Praedico Global Research		Date/Duration	01-05-22 to 10-05-22	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Working on Project.				
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>				
<u>Name of Industry Mentor</u>	Pushkar Goyal				
<u>Signature of Industry Mentor</u>	Pushkar				

Receiving Date		Name of Faculty Mentor :	Prof R.K. Gupta	Sign	
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