

PG Finder

A Project Report

Submitted by

Sathiya Parth Deepakbhai

20170116501

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

In

Information Technology

**Vishwakarma Government Engineering College,
Chandkheda, Ahmedabad**



Gujarat Technology University, Ahmedabad

April, 2023



**Vishwakarma Government Engineering College,
Nr. Visat three roads, Sabarmati-Koba highway, Chandkheda, Ahmedabad-382424**

CERTIFICATE

This is to certify that the project report submitted along with the project entitled **PG Finder** has been carried out by **Sathiya Parth Deepakbhai** under my guidance in partial fulfilment for the degree of Bachelor of Engineering in Information Technology, 8th Semester of Gujarat Technological University, Ahmedabad during the academic year 2022-23.

Prof. Jignesh H. Vaniya

Internal Guide

Prof. Vibha D. Patel

Head of the Department



**Vishwakarma Government Engineering College,
Nr. Visat three roads, Sabarmati-Koba highway, Chandkheda, Ahmedabad-382424**

DECLARATION

We hereby declare that the Internship report submitted along with the Internship entitled **Django Trainee** submitted in partial fulfilment for the degree of Bachelor of Engineering in Information Technology to Gujarat Technological University, Ahmedabad, is a bonafide record of original project work carried out by me at Grownited Pvt. Ltd. under the supervision of Prof. Jignesh Vaniya and that no part of this report has been directly copied from any students' reports or taken from anyother source, without providing due reference.

Name of the Student

Sign of Student

Acknowledgment

I am thankful to Vishwakarma Government Engineering College for giving me an opportunity to develop this project. Prof. Jignesh Vaniya (Internal Guide) is the main force behind all these. The project became successful only because of their valuable suggestions, proper co-operation and complete guidance in developing this project. It was also the support from the staff members who spend their valuable time in providing us all the relevant and confidential college information which has helped us in preparing our project.

I am thankful to my guide who is the real source of inspiration and encouragement. His constant help, thoughtful suggestions and deep interest has enabled me to make this project successful. I also express my sincere thanks to our H.O.D. Prof. Vibha D. Patel, who allowed to use all the resources of the institute.

I am thankful to all our staff members who helped continuously and inspired me in the project.

Yours sincerely,

Sathiya Parth

(200170116501)

Abstract

This Project is about Paying Guest Information Management System. Paying Guest Information Management System is a way which helps the students and other people who are looking for accommodation in a smart way, the aim of these project is to directly connect users and Paying Guest Owner in a way that Paying Guest owner can advertise their place and user can book their PG easily, this application is having some unique features and functionalities like user can view the place with the help of GPS, share the location share the place and user can also internally advertise the place so they can find their partner.

As we know that, People started migrating in other district or state for their jobs and study purpose. For that, People are not familiar with that state or district. So, they face some problems such as finding appropriate Paying guest house at different districts or outside the state for their nearby working area, finding the best Paying guest house based on their requirements and budget. So here, we introduce such a new system which directly connects users and Paying Guest Owner in a way that Paying Guest owner can advertise their place and user can view that PG easily.

List of Figures

Figure 2.1 SDLC.....	4
Figure 3.1 Prototype Model.....	11
Figure 3.2 Gantt Chart	15
Figure 4.1 Use Case System.....	18
Figure 4.2 Activity Diagram (Authentication).....	19
Figure 4.3 Activity Diagram (Owner)	20
Figure 4.4 Activity Diagram (Guest).....	21
Figure 4.5 Activity Diagram (Admin)	22
Figure 5.1 Prototype Model	27
Figure 5.2 E-R Diagram	29
Figure 5.3 Flow Chart	34
Figure 6.3 Screenshots.....	36

Lists of Table

Table 5.1 User.....	30
Table 5.2 PG Post	31
Table 5.3 PG Amenities	31
Table 5.4 PG Images	32
Table 5.5 PG Rating.....	32
Table 5.6 PG Comments	32
Table 5.7 Feedback Table	32
Table 7.1 Test Cases	49

Abbreviations

SDLC **Software Development Life Cycle**

PG **Paying Guest**

Table of Contents

Acknowledgment	i
Abstract	ii
List of Figures.....	iii
Abbreviations	iv
Table of Contents	v
Chapter-1 Overview of the Company.....	Error! Bookmark not defined.
1.1 About Company	Error! Bookmark not defined.
1.2 Different product/ scope of work.....	Error! Bookmark not defined.
1.3 Services	2
Chapter - 2 Overview of different plant/unit/department/shop of the organization and Layout of the production/process beingcarried out in company.....	3
2.1 List the technical specifications of major equipment used in eachdepartment.	3
2.2 Prepare schematic layout which shows the sequence of operation for manufacturing of end product.	3
2.3 Explain in details about each stage of production.	Error! Bookmark not defined.
Chapter - 3 Introduction to Project.....	Error! Bookmark not defined.
3.1 Project Summary.....	Error! Bookmark not defined.
3.2 Purpose	6
3.3 Objective	Error! Bookmark not defined.
3.4 Scope.....	Error! Bookmark not defined.
3.5 Technology and Literature Review.....	Error! Bookmark not defined.
3.6 Project Planning	10
3.6.1 Project Development Approach and Justification	Error! Bookmark not defined.
3.6.2 Project Effort and Time, Cost Estimation	13
3.6.3 Roles and Responsibilities.....	14
3.7 Project Scheduling (Gantt Chart).....	15
Chapter - 4 System Analysis	16
4.1 Study of Current System.....	16
4.2 Problem and Weakness of Current System.....	16
4.3 Requirements of New System.....	16

4.4 System Feasibility	17
4.5 Activity of New System.....	18
4.6 Features of New System.....	23
4.7 Modules and Components	24
4.8 Selection of Hardware and Software Characteristics	26
Chapter - 5 System Design	27
5.1 System Design & Methodology.....	27
5.2 Database Design.....	30
5.3 System Procedural Design.....	33
Chapter - 6 Implementation	35
6.1 Implementation Platform.....	35
6.2 Technology Specification.....	35
6.3 Results	36
Chapter - 7 Testing.....	48
7.1 Testing Plan/ Strategy	48
7.2 Test Results and Analysis.....	49
Chapter - 8 Conclusion and Discussion	50
8.1 Overall Analysis of Internship	50
8.2 Dates of Continuous Evaluation (CE-I and CE-II)	50
8.3 Problem Encountered and Possible Solutions	50
8.4 Summary of Internship.....	51
8.5 Conclusion.....	51
8.6 Limitation and Future Enhancement	51
References.....	52