

PROFESSIONAL TRAINING REPORT
at
Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Technology Degree in Information Technology

By
VAIBHAV VISHAL

38120087



DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING
SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY
JEPPIAAR NAGAR, RAJIV GANDHI SALAI,
CHENNAI – 600119. TAMILNADU

November 2021



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
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SCHOOL OF COMPUTING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the Bonafide work of who carried out the project entitled "Hostel Management Application" under our supervision from August 2021 to November 2021.

Internal Guide

Dr. MARY GLADENCE.L

Head of the Department

Dr. R. Subhashini M.E., Ph.D.,

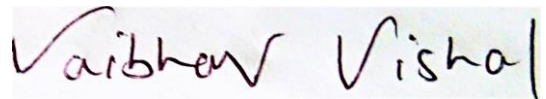
Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

I hereby declare that the Project Report entitled "**HOSTEL MANAGEMENT APPLICATION**" done by me under the guidance of **Dr.MARY.GLADENCE** at Sathyabama Institute of Science and Technology (Deemed to be University), Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119 is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information Technology.

A handwritten signature in dark ink on a light blue background. The signature reads "Vaibhav Vishal" in a cursive script.

Place: Chennai

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge our sincere thanks to Board of management of **SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey our thanks to **Dr. T. SASIKALA M.E., Ph.D., Dean, School of Computing** and **Dr. R. SUBHASHINI M.E., Ph.D., Head of the Department, Department of Information Technology** for providing us the necessary support and details at the right time during the progressive reviews.

I would like to express our sincere and deep sense of gratitude to our Project Guide **Dr. MARY GLADENCE .L** for her valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express our thanks to all Teaching and Non-teaching staff members of the Department of **INFORMATION TECHNOLOGY** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE

COURSE COMPLETION CERTIFICATE

This is to Certify that

Mr. / Ms. **VAIBHAV VISHAL**

has successfully completed the training on ZCF

ZOHO CREATOR FOUNDATION PROGRAM

conducted by ITKESPL, Authorized Training Partner for Zoho

Certification Number: ZCF-02052



ISSUED BY:
ITK EDUCATION SERVICES PVT LTD

JOSEPH M
DIRECTOR OPERATIONS



ABSTRACT

HOSTEL MANAGEMENT APPLICATION

As the name specifies “HOSTEL MANAGEMENT SYSTEM” is a online application developed for managing various activities of the hostel using zoho creator platform.

This particular project deals with the problem on managing the hostel and avoid the problems which occur when carried manually. We can improve the efficiency of the system, thus overcome the drawbacks of the existing system.

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FIGURE NAME

PAGE NO

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ABBREVIATIONS

-DELUGE

EXPANSION

**DATA ENRICHED LANGUAGE FOR THE
UNIVERSAL GRID ENVIRONMENT**

CHAPTER 1

INTRODUCTION

- Hostel Management system Application using “zoho creator” platform is a customize and user friendly software for Hostels which provides Hostel information, Hostel room information ,Mess information and student info.

- It helps admin to manage
 - Student Details
 - Rooms Availability
 - Choices in Mess Available
 - Fees Analysis
 - Mail Alert After Each New Entry

1.1

OUTLINE OF THE PROJECT

As the name specifies “HOSTEL MANAGEMENT SYSTEM” is a online application developed for managing various activities of the hostel using zoho creator platform.

— This particular project deals with the problem on managing the hostel and avoid the problems which occur when carried manually.

— We can improve the efficiency of the system, thus overcome the drawbacks of the existing system.

OBJECTIVE

For the past few years the number of educational institutions are increasing rapidly. Thereby the number of hostels are also increasing for the accommodation of the students studying in this institution. And hence there is a lot of strain on the person who are running the hostel and software's are not usually used in this context.

This particular project deals with the problems on managing a hostel and avoids the problems which occur when carried manually Identification of the drawbacks of the existing system leads to the designing of computerised system that will be compatible to the existing system with the system which is more user friendly .

as this application allows us to see and modify student details and with each new entry the developer will get a mail also the developer can modify the number of rooms available according to the availability

CHAPTER 2

AIM AND SCOPE

2.1 AIM

The aim of the Hostel Management Application is to carry out the activities of hostel in an efficient way. It will take the operations of Hostel to an upper level by providing faster access to data.

2.2 PROBLEM STATEMENT

The hostel management application is developed for automating the activities of hostel.

The software will be great relief to the admin. This software will help user in-case of registration and searching the information about the rooms availability. Hostel management Application is designed to manage all hostel activities like hostel room booking, prices, room types, mess allotment & generates related reports for smooth workflow. It is also used to manage student details and their choices.

2.3 SCOPE

This application deals with the problems on managing a hostel and avoids the problems which occur when carried manually Identification of the drawbacks of the existing system leads to the designing of computerised system that will be compatible to the existing system with the system which is more user friendly . as this application allows us to see and modify student details and with each new entry the developer will get a mail also the developer can modify the number of rooms available according to the availability

CHAPTER 3

SYSTEM ANALYSIS AND DESIGN

3.1 GENERAL

3.2 ALGORITHM

1. Create an Online Hostel Management App
2. Create a form “Room Type ”
3. Create another form “Bed Type”and link it with previous form Room Type using Lookup tool.
4. Create one more form named “Mess Type” and link it with previous forms and also use filters in order to avoid duplicacy.
5. One more form will be created named “Hostel Fees” and link it with previous three forms using lookup tools, also apply appropriate filters.
6. Now create a new form for student registration that i “Room Booking”.
- 6.1 Use Drag & Drop feature to include
 - Student Name
 - Student Email
 - Course

- Department and other mandatory student details

And link the form with all other previous forms to complete the process.

7. lastly do mandatory settings for notifications and limited entries.

CONCLUSION

4.1 CONCLUSION

Hostel Management System is a Customize and user-friendly application for Hostels. It has been designed to automate, manage and look after the overall processing of hostel. It is capable of managing Student Details, Price Details, rooms available etc.

It is a Customize and user-friendly software for Hostels which provide hostel information, hostel room information, hostel mess information also.

5.1

APPENDIX

A.SCREENSHOTS

The screenshot displays a web browser window with the URL https://creatorapp.zoho.com/vaibhavvishal85982/hostel-management-app/#Form:Registration_Form. The browser's address bar and tabs are visible at the top. The application interface features a dark sidebar on the left with a menu containing 'Room Type', 'Bed Type', 'Mess Type', 'Fees Amount', 'Registration Form', 'Registration Form R...', and 'Vacations'. The 'Registration Form' is currently selected and highlighted in green. The main content area has a header with the 'SATHYABAMA Institute of Science and Technology' logo and the title 'Hostel Registration Form'. Below the title, the section 'Personal Details' is shown, containing several input fields: 'Candidate Name' (split into 'First Name' and 'Last Name'), 'Email ID' (with an email icon), 'Mobile Number' (with a dropdown for country code '+91' and the number '81234 56789'), 'Date Of Birth' (with a date picker showing 'dd-MM-yyyy'), 'Aadhar Number', 'Pan Number', 'Institute Name', 'Educational Course', and 'Educational Department'. The user's name 'Vaibhav Vishal' is visible in the bottom left corner of the application interface.

Hostel Management App

Room Type

Bed Type

Mess Type

Fees Amount

Registration Form

Registration Form R...

Vacations

Vaibhav Vishal

Address Line 2

City / District

State / Province

Postal Code

Country

Hostel Details

Room Type

Bed Type

Mess Type

Fees Amount

Payment Method

Reference ID

Payment Reference ID

Verification Code

Submit

Reset

Zoho Creator - Hostel Management App

https://creatorapp.zoho.com/vaibhavvishal@5982/hsotel-management-app/#Form:Vacation_Form

Apps Booking Confirmati... Home - Atos | IT Ch... LinkedIn Booking Confirmati... Video chat online |... Crowdsorce by Go... Learn | freeCodeCa... Get Started With On... Amazon Apps & Se... Reading list

Hostel Management App

Room Type >

Bed Type >

Mess Type >

Fees Amount >

Registration Form >

Vacations >

Vacation Form

All Vacations

Vaibhav Vishal

SATHYABAMA

Institute of Science and Technology

Hostel Vacation Form

Personal Details

Name

Email ID

Personal Mobile Number

Parent's Mobile Number

Address

Address Line 1

Address Line 2

City / District

State / Province

Postal Code

Country

Zoho Creator - Hostel Managemen X

https://creatorapp.zoho.com/vaibhavvishal85982/hostel-management-app/#Form:Vacation_Form

Apps Booking Confirmat... Home - Atos | IT Ch... LinkedIn Booking Confirmat... Video chat online |... Crowdsourc by Go... Learn | freeCodeCa... Get Started With On... Amazon Apps & Se... Reading list

Hostel Management App

Hostel Management App

- Room Type >
- Bed Type >
- Mess Type >
- Fees Amount >
- Registration Form >
- Vacations >
- Vacation Form**
- All Vacadons

Vaibhav Vishal

Institutional Details

Register Number

Course

Department

Room Type

Room Number

Vacation Details

Leaving Date

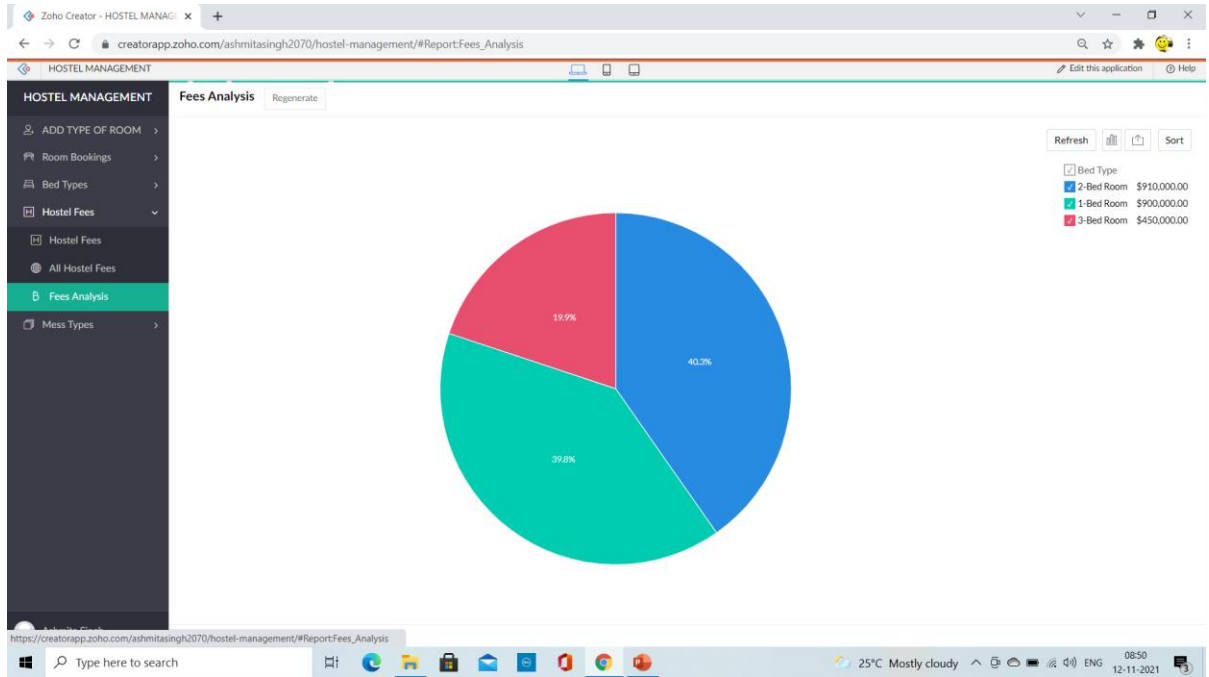
Leaving Time
Select only available hours(06:00 - 16:00)

Reason of Vacation

Place to be Visited

Returning Date

Returning Time



Inbox - Gmail

+

New mail

Accounts

Gmail

2170

vaibhavvishal...

Outlook

vaibhavvishal77@...

Outlook 2

vaibhavvishal77@...

Folders

Inbox

2170

All Mail

More

Get your Gmail on your phone

Search

Inbox

All

vaibhavvishal85982@gmail

Hostel Management App : I

02:12

Hello,A new entry added in

Yesterday

L

LetsUpgrade

Don't stop yourself! Let's

Fri 22:21

LetsUpgrade LetsUpgrac

TN

TechGig Latest News

5 Free online program

Fri 22:11

Daily Newsletter Daily N

GP

Gies Online Programs

Connect with one of our

Fri 19:42

Meet 1:1 or in a group si

SP

Sathyabama Placement

Reminder: Gupshup ***

Fri 19:02

Dear Students, With refe

SP

Sathyabama Placement

Campus Recruitment'20

Fri 19:00

Dear Students, With refe

FP

FutureSkills Prime

Vaibhav Vishal, Your Op

Fri 19:00

Dear Vaibhav Vishal, As j

E

EaseMyTrip

Experience the world

Fri 18:58

↩ Reply

↩ Reply all

→ Forward

📁 Archive

🗑 Delete

🚩 Set flag

⋮

Hostel Management App : New entry added

vaibhavvishal85982@gmail.com

<vaibhavvishal85982@gmail.com>

02:12

To: vaibhavvishal85982@gmail.com

Hello,

A new entry added in 'Registration Form' form of 'Hostel Management App' application.

User submitted data

Section

Personal Details

Candidate Name

Vaibhav Vishal

Email ID

vaibhavvishal85982@gmail.com

Mobile Number

+918340382586

Date Of Birth

01-Jan-2001

Aadhar Number

Pan Number

Institute Name

Sathyabama

Educational Course

B. Tech

Educational Department

IT

Educational Year

4th Year

Permanent Address

Hostel Details

Room Type

A C

Bed Type

1 Bed Room

Mess Type

Non-Veg

MAIL ALERT AFTER EACH NEW ENTRY

[Zoho Creator - HOSTEL MANAGI](#)
[HOSTEL MANAGEMENT : New e...](#)

[creatorapp.zoho.com/ashmitasingh2070/hostel-management/#Report:All_Room_Bookings](#)

We have a few updates planned for the month of November. [Click here](#)

Hide Close

HOSTEL MANAGEMENT All Room Bookings

[ADD TYPE OF ROOM](#)
[Room Bookings](#)
[Room Booking](#)
[All Room Bookings](#)
[Bed Types](#)
[Hostel Fees](#)
[Mess Types](#)

Student email	Student Name	Room Type	Education Year	Course	Department	Mobile Number
vk Singh@gmail.com	Ms. ankita singh	AC Room	2nd Year	b.com	It	+911234567898
feyora9953@epeva.com	Mr. vaibhav vishal	AC Room	4th Year	B.Tech	It	+919123478654
ashmitasingh2070@gmail.com	ashmita singh	Non AC Room	4th Year	B.Tech	LT	

[Type here to search](#)
25°C Mostly cloudy
09:17 12-11-2021

STUDENT BOOKING DETAILS

5.2 SOURCE CODE

```

    • form Bed_Type
{
    displayname = "Bed Type"
    success message = "Bed Type Added Successfully"
    field alignment = left
    Section
    (
        type = section
        row = 1
        column = 0
        width = medium
    )
    Room_Type
    (
        type = picklist
        displayname = "Room Type"
        values = Room_Type.ID
    displayformat = [Room_Type]
        searchable = true
        sortorder = ascending
        row = 1
        column = 1
        width = medium
    )
    Bed_Type
    (
        type = text
        displayname = "Bed Type"
        row = 1
        column = 1
        width = medium
    )
    Image
    (
        type = image
        source = file
        aspect ratio = original
        camera = primary
        show gallery = true
        switch camera = true
        row = 1
        column = 1
        width = medium
    )
    plain
    (
        type = plaintext
        value = "<div><br /></div><div><i><span class=\"size\" style=\"font-size: 16px\"><span class=\"highlight\" style=\"background-color: rgb(0, 254, 255)\"><span class=\"colour\" style=\"color: rgb(255, 0, 0)\"><u>Confirm your room as You will not be allowed to</u><u></u><u>change it further.....</u></span></span></i><br /></div>"
        row = 1
        column = 1
        width = medium
    )
    actions
    {
        on add
        {
            submit
            (

```

```

        type = submit
        displayname = "Submit"
    )
    reset
    (
        type = reset
        displayname = "Reset"
    )
}
on edit
{
    update
    (
        type = submit
        displayname = "Update"
    )
    cancel
    (
        type = cancel
        displayname = "Cancel"
    )
}
}
}

```

- form Hostel_Fees

```

{
    displayname = "Hostel Fees"
    success message = "Hostel Feis Added Successfully"
    field alignment = left
    Section
    (
        type = section
        row = 1
        column = 0
        width = medium
    )
    Room_Type
    (
        type = picklist
        displayname = "Room Type"
        values = Room_Type.ID
    displayformat = [Room_Type]
        sortorder = ascending
        row = 1
        column = 1
        width = medium
    )
    Bed_Type
    (
        type = picklist
        displayname = "Bed Type"
        values = Bed_Type[Room_Type.ID == input.Room_Type].ID
    displayformat = [Bed_Type]
        sortorder = ascending
        row = 1
        column = 1
        width = medium
    )
    Mess_Type
    (
        type = picklist
        displayname = "Mess Type"
        values = Mess_Type[Bed_Type.ID == input.Bed_Type].ID
    displayformat = [Mess_Type]
        sortorder = ascending
        row = 1
        column = 1
        width = medium
    )
    Hostel_Fees
    (
        displayname = "Hostel Fees"
        type = INR
        format = commadotindian
        row = 1
        column = 1
        width = medium
    )

    actions
    {
        on add
        {
            submit
            (
                type = submit
                displayname = "Submit"
            )
            reset
            (
                type = reset
                displayname = "Reset"
            )
        }
    }
}

```

```
    }
    on edit
    {
        update
        (
            type = submit
            displayname = "Update"
        )
        cancel
        (
            type = cancel
            displayname = "Cancel"
        )
    }
}
```

- form Room_Booking

```

{
    displayname = "Room Booking"
    captcha = true
    success message = "Applied for Hostel Room Successfully"
    field alignment = left
    Section
    (
        type = section
        row = 1
        column = 0
        width = medium
    )
    plain
    (
        type = plaintext
        value = "<div style=\"text-align: center\" class=\"align-center\"><span class=\"size\" style=\"font-size: 24px\"><span
class=\"highlight\" style=\"background-color: rgb(0, 0, 102)\"><span class=\"colour\" style=\"color: rgb(51, 153,
255)\"><b><u><i>WELCOME&nbsp; TO&nbsp; SATHYABAMA&nbsp; HOSTEL&nbsp; ROOM&nbsp; BOOKING
!!!</i></u></b></span></span></span><br /></div><div style=\"text-align: center\" class=\"align-center\"><br /></div><div style=\"text-
align: center\" class=\"align-center\"><span class=\"size\" style=\"font-size: 24px\"><span class=\"highlight\" style=\"background-color:
rgb(0, 0, 102)\"><span class=\"colour\" style=\"color: rgb(51, 153, 255)\"><b><u><i></i></u></b></span></span></span><br /></div>"
        row = 1
        column = 1
        width = medium
    )
    must have Room_Type
    (
        type = picklist
        displayname = "Room Type"
        values = Room_Type.ID
        displayformat = [Room_Type]
        sortorder = ascending
        row = 1
        column = 1
        width = medium
    )
    must have Bed_Type
    (
        type = picklist
        displayname = "Bed Type"
        values = Bed_Type[Room_Type.ID == input.Room_Type].ID
        displayformat = [Bed_Type]
        sortorder = ascending
        row = 1
        column = 1
        width = medium
    )
    must have Mess_Type
    (
        type = picklist
        displayname = "Mess Type"
        values = Mess_Type[Bed_Type.ID == input.Bed_Type].ID
        displayformat = [Mess_Type]
        sortorder = ascending
        row = 1
        column = 1
        width = medium
    )
    }
}

```

REFERENCE

- LINK:- creator.zoho.com
- Training provided by zoho through pride.
- YouTube:-
<https://www.youtube.com/channel/UCLImLUyuH9hJwTGdn4N68rs>
Mastering Zoho Creator Build Cloud-Based Business Applications
from the Ground Up
- Authors :-Ali Shabdar
- First in-depth book about Zoho Creator. The only resource you need to successfully make Creator-based business applications in less than a month with no external resources needed. Step by step, easy-to-follow guide for SMB owners with little technical background
- Zoho web-based applications facilitate collaboration, are available from anywhere online connectivity is available, and do not need to be downloaded. Other advantages of Zoho's programs are that they are free, with only a few exceptions (more than one project for Zoho Projects, more than three users in Zoho CRM, more than ten users for Zoho People, more than five invoices for Zoho Invoice, and Zoho Creator), and more importantly, they are intuitive and easy to use. Comparable programs are available for free from Google <<http://www.google.com>> (Google Docs, Google Notebook, Google Calendar, Gmail, Google Talk); ThinkFree <<http://www.thinkfree.com>> (My Office, Workspace); and Ajax13 <<http://www.ajax13.com>> (ajaxWrite, ajaxXLS, ajaxPresents) or for a fee from Backpack <<http://www.backpackit.com>>. Unlike many web-based software applications developed between 2004 and 2006, all of these providers still function and are updated and improved on a regular basis.