

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 Internship

Submitted By:

Sanjay Chhari

0901CS181091

Faculty Mentor:

Assistant Professor Mir Shehnawaz Ahmed

Department Of Computer Science and Engineering

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 Internship

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

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

Submitted by:

Sanjay Chhari

0901CS181091

Internship Faculty Mentor:

Mr. Pushkar Goyal ,Team Head

Praedico Global Research

Submitted to: **Assistant Professor Mir Shehnawaz Ahmed**

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

MAY-JUNE 2022



Address: First Floor, Garima Arcade, Shinde ki
Chhawani, Gwalior
Email: mail@praedicoglobalresearch.com
Website: www.praedicoglobalresearch.com

Ref.: PGR-2022/1-546

Date: 11th – May - 2022

CERTIFICATE OF INTERNSHIP

This certificate is awarded to

Mr./Miss. SANJAY CHHARI

In appreciation for your accomplishments in the company as an intern
(Position titled- "Web Developer – PYTHON DJANGO")
at Praedico Global Research Pvt. Ltd.,
from Jan 10th, 2022 to May 10th, 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.

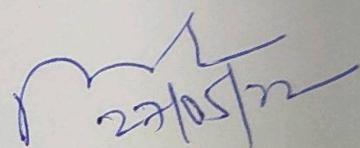
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CERTIFICATE

This is certified that **Sanjay Chhari** (0901CS181091) has submitted the Internship report titled **Web Development** of the work he has done under the mentorship of **Asst. Prof Mir Shahnawaz Ahmad** 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.


Mir Shahnawaz Ahmad 27/05/22
Faculty Mentor
Assistant Professor
Computer Science and Engineering


Dr. Manish Dixit 27/05/22
Professor and Head,
Computer Science and Engineering
Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior



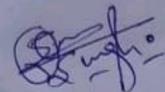
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DECLARATION

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 **Asst. Prof Mir Shahnawaz Ahmad**, Department of CSE.

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



Sanjay Chhari
0901CS181091
IV Year,
Computer Science and Engineering

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

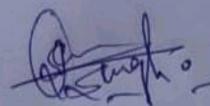
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ACKNOWLEDGEMENT

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 Asst. Prof Mir Shahnawaz Ahmad 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.



Sanjay Chhari
0901CS181091
IV Year,
Computer Science and Engineering

ABSTRACT

In web development I have learned full stack development course where we have created a blogsite. In this website project anyone can read and write blogs and admin can manage all the activities and user can register in website and read and write according to us. Many students have already found how much fun it is to learn programming with Python. It's now time to advance Python to the next level. This course will cover Django, an open source Python web framework that helps you save time and enjoy web development. It's Computer Science Course who wish to make his career in IT companies then he can opt for this course. how to create beautiful web applications with minimal effort. The Model-View-Controller (MVC) architectural paradigm is used by Django. Its purpose is to make building complex, database-driven websites easier. Django stresses component reusability and "pluggability," quick development, and the DRY (Don't Repeat Yourself) concept. Even settings, files, and data models are written in Python. Setup and configuration, template language, and other topics will be covered throughout the event

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Chapter 1: INTRODUCTION

Django is a web application framework written in Python programming language. It is based on MVT (Model View Template) design pattern. The Django is very demanding due to its rapid development feature. It takes less time to build application after collecting client requirement. This framework uses a famous tag line: The web framework for perfectionists with deadlines.

By using Django, we can build web applications in very less time. Django is designed in such a manner that it handles much of configuration things automatically, so we can focus on application development only.

1.1 Main Objectives

1.1.1 Objective

1. To provide a platform where users can create and see different blog articles about the organization.
2. Users can submit their queries related to the website by filling their details in the contact form.
3. Blogs created can be deleted or updated by the users.
4. Admin can see all the blogs posted on the website.
5. Admin can delete inappropriate blogs.
6. Admin can add categories and subcategories under which blogs will be posted.

1.1.2 Scope

1. Build a online blogging website
2. Data retrieval and search functionality, django mailing system for forgetting password.
3. Created database tables in django admin.

1.2 Modules

1.2.1 User

On the landing page users will see the two active buttons- admin login and user login so general users

will click on the user login to enter the user homepage.

1.2.2 Guest User

Home Page

Navigation Bar--links

- Guest Users can see the different categories available to post and read blogs.
- Using the SubcategoryShow button on this page user can see different subcategories under a particular category.
- Guest Users can see the different Subcategories available to post and read blogs.
- .. Users can see all the blogs which have been posted on the website.
- .. Using this contact form users can submit their which they are facing regarding the website or anything related to the website.
- .. Using this you can read information related to the website.
- .. Clicking on the login button on the navigation bar, a login form will open using which a registered user can log in to the website.
- .. As soon as the user logs in a session will be created which will be alive until he logs out.

1.2.3 Authenticated User

Authenticated Users can see the different categories available to post and read blogs. Using the SubcategoryShow button on this page user can see different subcategories under a particular category.

Guest Users can see the different Subcategories available to post and read blogs. ALL BLOGS - User can see all the which have been posted on the website.

MY BLOGS - User can see his own blog posts.

Update - User can update his blog using this form which will open on next page.

Delete - User can delete his blog post if wish to do so.

ADD BLOG - Clicking on this link a form will open using which a user can select category then subcategory and title ,image icon,content for the blog post and click on the submit to upload the blog.

1. Using this contact form users can submit their which they are facing regarding the website or anything related to the website.
1. Using this you can read information related to the website.

1. Clicking on the logout button user can log out of the website and his session will be expired at that moment itself.

1.2.4 Admin

Category add link will open new page where admin add new categories.

Update - On this page, admin can use update button which will open new page admin can update information regarding category.

Delete - Using this button admin can delete category.

SubCategory add link will open new page where admin add new categories.

Update - On this page, admin can use update button which will open new page admin can update information regarding Subcategory.

Delete - Using this button admin can delete Subcategory.

Blogs option will show all the blogs which have been posted on the website to the admin.

Admin can delete inappropriate blogs if he feels the need to do so.

. Clicking on the logout button admin can log out of the website and his session will expired at that moment itself

page: 4

DIAGRAM

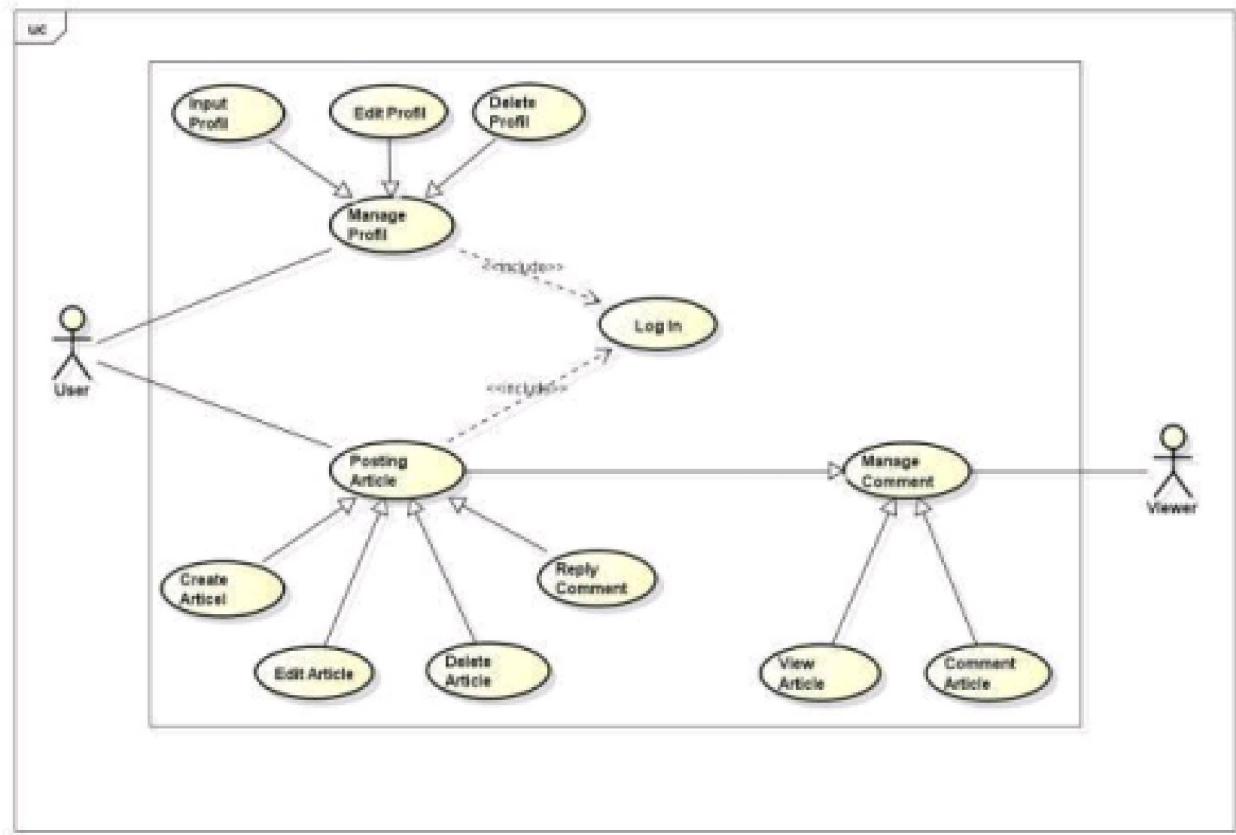


Figure - 1 (ER Diagram)

Figure - 2 (Use case diagram)

Figure - 3(data flow diagram level 2)

Chapter 2. REQUIREMENT ANALYSIS

2.1 Hardware Specification

Minimum hardware recommendation

- Disk space: 750 MB of free disk space
- Screen resolution is 1024x768 pixels.
- Minimum Hardware Configurations ,Processor: 800MHz Intel Pentium III or equivalent

2.2 Recommended Hardware Configurations:

- Memory: 512 MB , Processor: Intel Core i5 or equivalent ,Memory: 2 GB (32-bit), 4 GB (64-bit)
- Disk space: 1.5 GB of free disk space ,Screen resolution

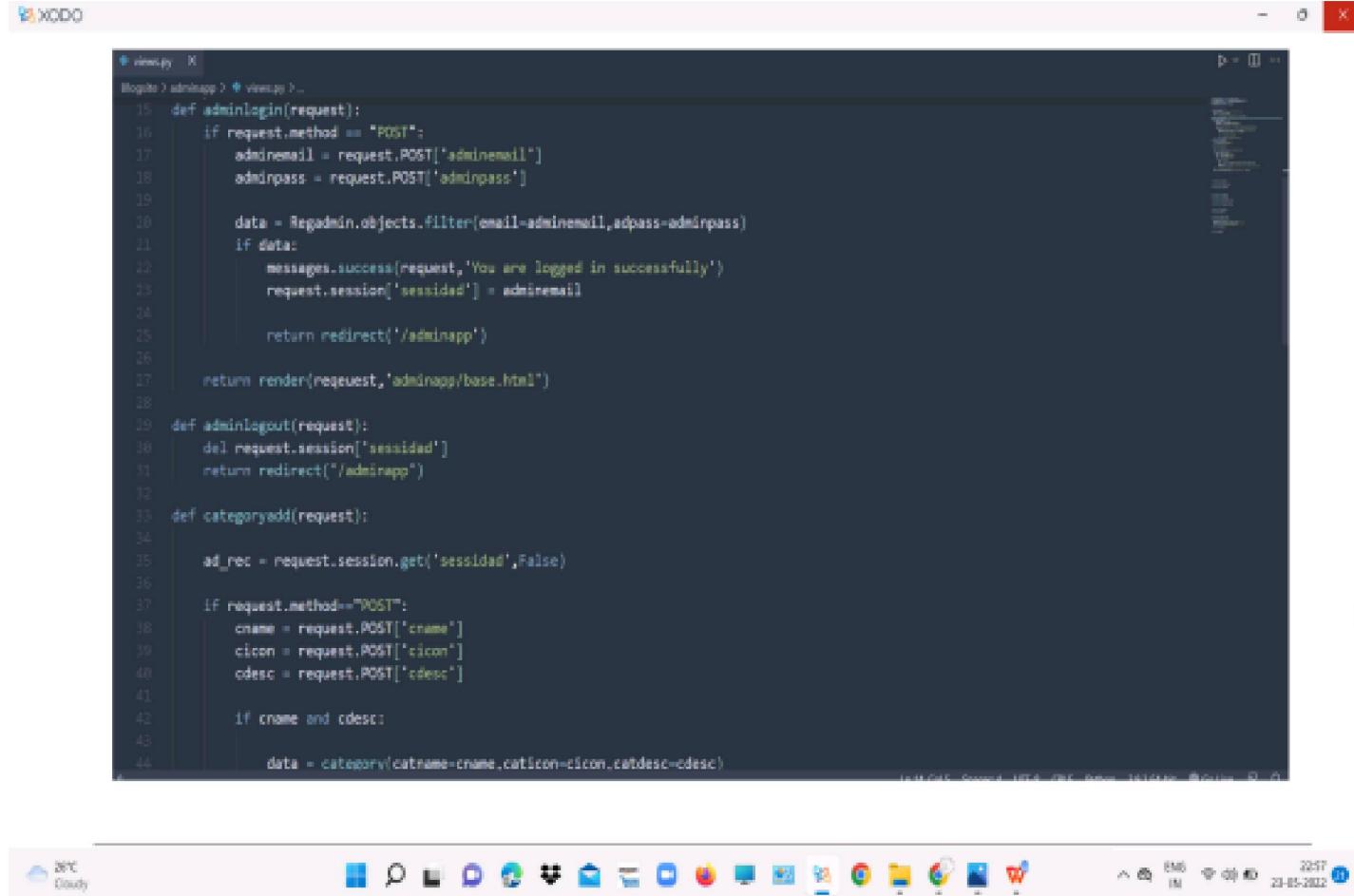
Chapter 3. SOFTWARE SPECIFICATION

- .Technology : python django
- .IDE: pycharm /atom
- .Client side technologies: HTML , CSS, JAVASCRIPT ,BOOTSTRAP .
- Server side technologies: python
- .Database server : sqlite
- .Operating systems: Microsoft windows/ linux

Technology used

1. HTML
2. CSS
3. BOOTSTRAP
4. PYTHON
5. DJANGO
6. VISUAL STUDIO CODE EDITOR
7. DB SQL

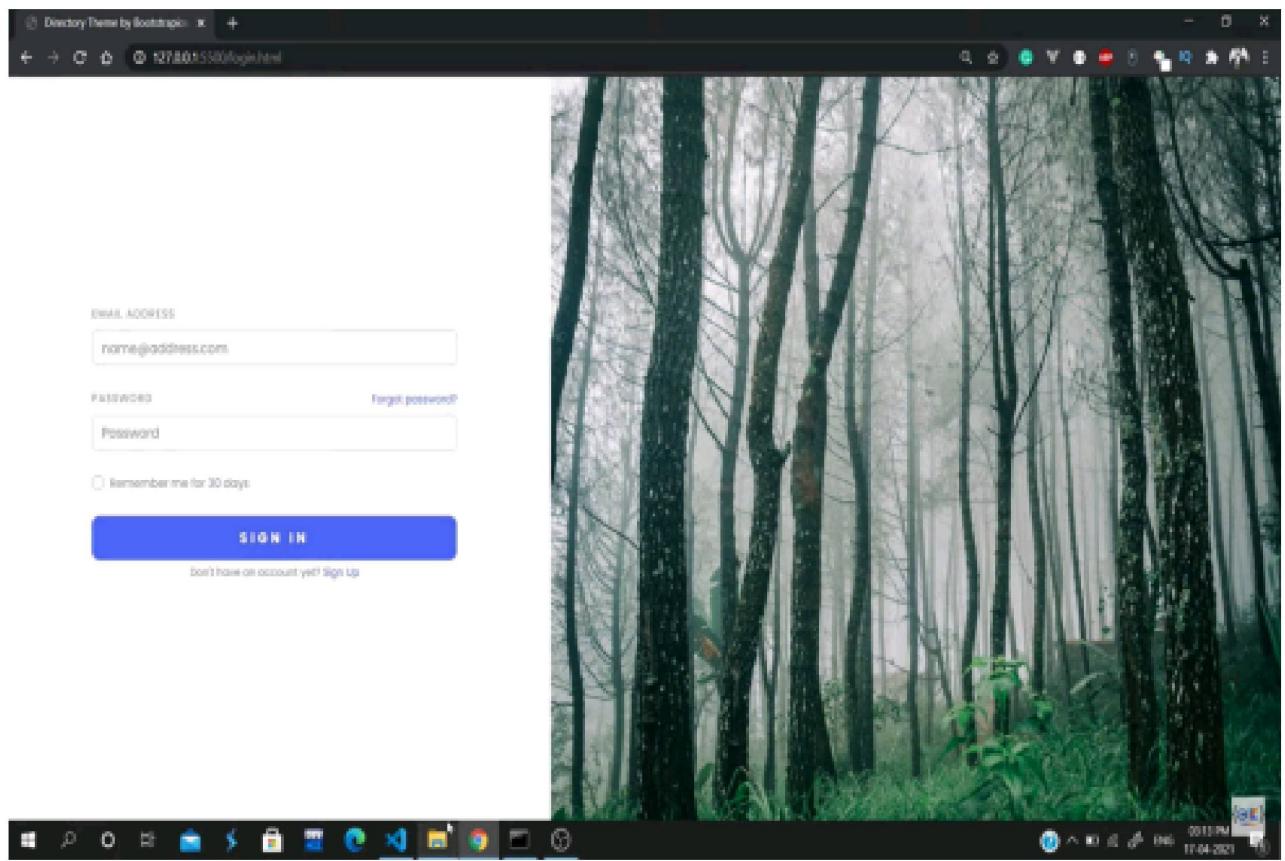
Chapter 4: CODING



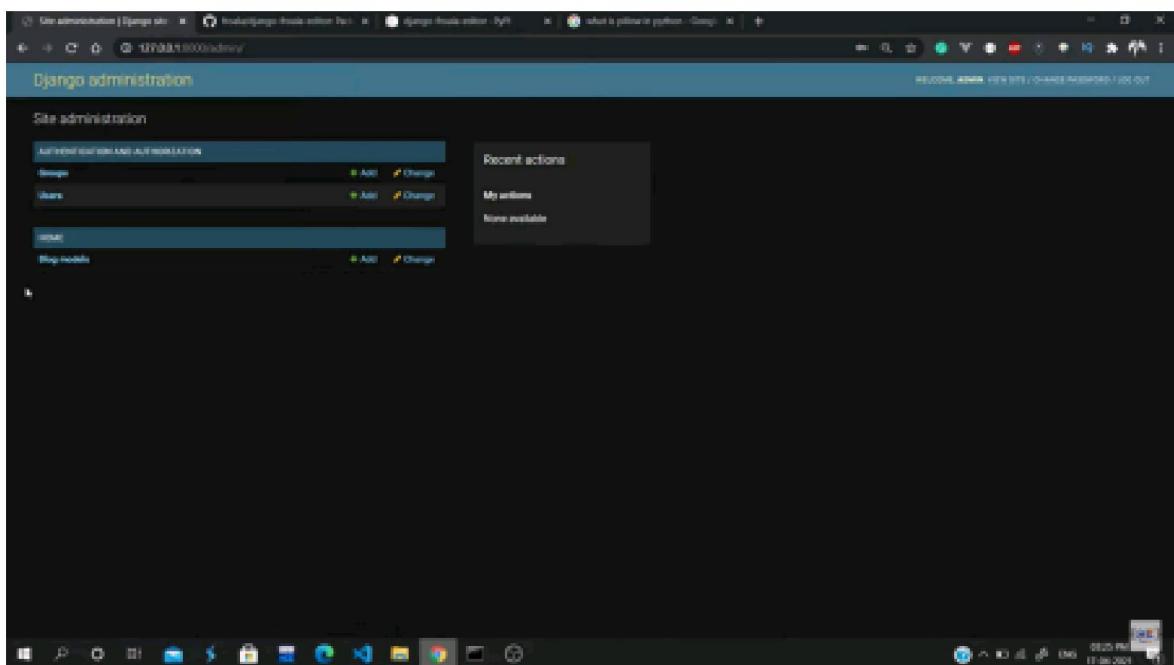
The image shows a Windows desktop environment. At the top, there is a taskbar with several icons, including a weather widget showing '28°C Cloudy', a file explorer, a browser, and other system icons. The main window is a code editor titled 'XODO' with a dark theme. It displays Python code for an 'adminapp' module. The code includes functions for logging in, logging out, and adding categories. It uses Django's ORM to interact with a database table named 'Regadmin'. The code editor has a sidebar on the right showing a tree structure of files and a status bar at the bottom.

```
views.py  X
Mogile > adminapp > views.py ...
15 def adminlogin(request):
16     if request.method == "POST":
17         adminemail = request.POST['adminemail']
18         admipass = request.POST['admipass']
19
20         data = Regadmin.objects.filter(email=adminemail,adpass=admipass)
21         if data:
22             messages.success(request,'You are logged in successfully')
23             request.session['sessid'] = adminemail
24
25             return redirect('/adminapp')
26
27     return render(request,'adminapp/base.html')
28
29 def adminlogout(request):
30     del request.session['sessid']
31     return redirect("/adminapp")
32
33 def categoryadd(request):
34
35     ad_rec = request.session.get('sessid',False)
36
37     if request.method=="POST":
38         cname = request.POST['cname']
39         cicon = request.POST['cicon']
40         cdesc = request.POST['cdesc']
41
42         if cname and cdesc:
43
44             data = category(catname=cname,caticon=cicon,catdesc=cdesc)
```

ADMIN MODULE:URL.PY
ADMIN MODULE: MODEL.PY



PAGE AFTER LOGIN



X BLOG PLUS

Just Another WordPress Theme

HOME | LIFESTYLE | TRAVEL | FASHION | CONTACT | ABOUT



 Fashion / Lifestyle / Travel



 Fashion / Lifestyle



 Lifestyle / Travel

Search ...

Search

Great Place For Travel

0 · December 25, 2018 ·  xblog ·  comment

There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised words which don't look even slightly believable. If

Cut Your Bad Habit

0 · December 25, 2018 ·  xblog ·  comment

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Dream House In Cool Place

0 · December 25, 2018 ·  xblog ·  comment

There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised words which don't

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BLOGS SHOWING PAGE ADMIN CATEGORY ADD PAGE

Categories

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 Ground

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 Roast Styles

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 Coffee Blends

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Chapter 5: CONCLUSION

This web development course help us to learn websites making by using HTML,CSS javascript , bootstrap ,python django. And we have created blog site project it can facilitate user to Post multi-author blog and online help for getting know about knowledge of different areas .

While developing the system a conscious effort has been made to create and develop a software package, making use of available tools, techniques and resources - that would generate a proper system for cases.

While making the system, an eye has been kept on making it as user-friendly. As such one may hope that the system will be acceptable to any user and will adequately meet his/her needs. As in case of any system development process where there are a number of shortcomings, there have been some shortcomings in the development of this system also.

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Date:

FORMAT

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Sanjay Chhatri		Department	CSE	
Industry/Organization	Prasidhi Global Yoga Center		Date/Duration	1-5-22 to 15-5-22	
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
Blogging Project

OVERALL GRADE (Any one) POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT

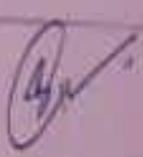
Name of Industry Mentor

Pushkar Goyal

Signature of Industry

Pushkar

Mentor

Receiving Date	15/05/2022	Name of Faculty Mentor	Mir Shahnawaz Ahmad	Sign	
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Date:

FORMAT

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Sanjay Chhatri		Department	CSE	
Industry/Organization	Predico global research		Date/Duration	01-04-22 to 15-04-22	
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	Django, data Commodity				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Lushkar Goyal				
Signature of Industry Mentor	Lushkar				

Receiving Date		Name of Faculty Mentor		Sign	
----------------	--	------------------------	--	------	--

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Date:

FORMAT

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Sanjay Chharp		Department	CSE	
Industry/Organization	Practico global research		Date/Duration	15-4-22 to 30-4-22	
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	- Blogging project				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Pushkar Loyal				
Signature of Industry Mentor	Pushkar				

Receiving Date		Name of Faculty Mentor		Sign	
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FORMAT

FORTEINIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY.

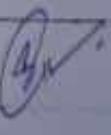
Name of student	Sonjoy Chhajji		Department	CSE	
Industry Organization	Paradiso Digital Research		Date/Duration	DD/MM/YR - DD/MM/YR 16/01/22 - 31/01/22	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			✓		
Learning capacity/Knowledge upto gradation		✓			
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	Prashkar Loyal
Signature of Industry Mentor	<u>Prashkar Loyal</u>

Receiving Date		Name of Faculty Mentor	Mir Sehrawat Ahmed	Sign	
----------------	--	------------------------	-----------------------	------	---

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Date:

FORMAT

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Sanjay Chhatri		Department	01/03/2022 / 15/03/2022
Industry/Organization	Pranavco Steel Research Limited.		Date/Duration	
Criterion	Poor	Average	Good	Very Good
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	My SQL, Bootstrap, Python done.			
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT			
Name of Industry Mentor	Cushkar Goyal			
Signature of Industry Mentor	Cushkar			

Receiving Date	15/03/22	Name of Faculty Mentor	Mir Shahnawaz Ahmad	Sign
				

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Date:

FORMAT

FORNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Sanjoy Patel		Department	Computer Science	
Industry Organization			Date/Duration	13-1-2021 - 31-3-2022	
Criterions	Pass	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/knowledge up gradation			✓		
Performance/Quality of work			✓		
Behavior/ Discipline/ Team work				✓	
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Django , Python file & folder Setup , Database Connections.				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Lokesh Patel				
Signature of Industry Mentor	Lokesh Patel				

Receiving Date	30/03/2022	Name of Faculty Mentor	Mr. S. Patel	Sign
			✓	

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

10/100, Adarsh Nagar, Gwalior, M.P. Accredited by NAAC & MHRD, MHRD Approved by MPPR, MPPR

Date:

FORMAT

FORBIDDENLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Company Details	Department	CGPA		
Industry Organisation	Private Sector	Discipline	CGPA		
Criterion	Pass	Average	Final	Very Good	Excellent
Punctuality/Time completion of assigned work.				<input checked="" type="checkbox"/>	
Learning capacity/Knowledge up gradation.				<input checked="" type="checkbox"/>	
Performance/Quality of work.			<input checked="" type="checkbox"/>		
Behaviour/Discipline/Temper				<input checked="" type="checkbox"/>	
Quality/ Hard work				<input checked="" type="checkbox"/>	
Comments on nature of work	Blogging Project				
Some Area Topic					
OVERALL GRADE (As per)	POOR/VERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Rishabh Doyal				
Signature of Industry Mentor	Rishabh Doyal				

Receiving Date	Name of Faculty Mentor	Sign
		