



# Promoting a new university with all the courses using Python

BY

NAVBHARAT PRAKASH

# Agenda



1) Introduction



2) Business requirements



3) Module



4) Tool chain/Technical Coverage



5) Agile methodology



6) E-R diagram



7) Advantage



8) Overview

# Introduction

**A university is an institution of higher education . A university provides both undergraduate education and postgraduate education .**

# Agenda



## **a) Business Specification/Requirements:**



**1. Upload a new university whose recently open with all the details**



**2. Keep updating all the data time to time whenever changes required.**

# Registration module

- ▶ User can register with Name, E-mail, Phone no, password.
- ▶ After completed register back to log-in page and input 2 for login.

```
*****login page of University site*****
```

```
1. REGISTER
```

```
2. LOGIN
```

```
3. EXIT
```

```
Please Select Your Options: 1
```

```
welcome to registration page
```

```
Enter Name: Navbharat
```

```
Enter your Phone Number: 8210442299
```

```
Enter your Email Id: abc@gmail.com
```

```
Create password: password
```

```
Confirm password: password
```

```
Registered successfully!!
```

# Login module

- ▶ Login with name and password
- ▶ After completed login successfully redirect to home page .

```
*****login page of University site*****
```

```
1. REGISTER
```

```
2. LOGIN
```

```
3. EXIT
```

```
Please Select Your Options: 2
```

```
welcome to Login page
```

```
Please enter Name: navbharat
```

```
Please enter password: password
```

```
password matched
```

```
Successfully login!!
```

# Homepage module

- ▶ Home page having three options:
- ▶ Enter 1 for university details

```
*****home page*****  
1. University details  
2. Contact us for enquiry  
3. Exit  
Please Select Your Options: 1
```

# University details module

- ▶ After choose the option 1 redirected to select state

```
*****University*****  
1. Select State  
Please Select Your Options:  
1  
All State
```



# Select State module

- ▶ After choose the option 1 select state and shows the options of state name .
- ▶ Hit enter 1 to select the Delhi

```
*****Select State*****
```

1. Delhi
2. Jharkhand
3. Madhya Pradesh
4. Karnataka

```
Please Select Your Options:
```

```
1
```

Activate Window

Go to Settings to activate window

# Delhi module

- ▶ After choose the option 1 Delhi and shows the all-university name .
- ▶ Hit enter 1 to select the university

```
*****Delhi*****
```

1. Indra gandhi Delhi Technical University for Women
2. Delhi Technological University
3. National Law University
4. Go Back

```
Please Select Your Options:
```

```
1
```

# Delhi module

- ▶ After choose the option 1 and shows the university details .

input 1 to select the about

```
*****Indra gandhi Delhi Technical University for Women*****  
1. About  
2. Departments  
3. Course  
4. Admission  
5. Faculty  
6. Go Back  
Please Select Your Options:  
█
```

Activate V  
Go to Setting

# Delhi module

- ▶ After choose the option 1 and shows the about of university .

```
Please Select Your Options:
1
Location: New Delhi
Established: 2013
Specialization: Technology
Ranking: NIRF ranked 177 among Engineering college in 2022
Facility: Computer Center, Bank ,Guest House
6. Go Back:
6
```

- ▶ Input 6 to go back and select the 2

```
*****Indra gandhi Delhi Technical University for Women*****
1. About
2. Departments
3. Course
4. Admission
5. Faculty
6. Go Back
Please Select Your Options:
█
```

Activate V  
Go to Setting

# Delhi module

- ▶ After choose the option 2 and shows the department of university .

```
Please Select Your Options:  
2  
-> Computer Science and Engineering  
-> Electronics and Communication Engineering  
-> Mechanical and Automation Engineering  
-> Information Technology  
-> Management  
-> Applied Science & Humanities  
-> Artificial Intelligence & machine learning  
6. Go Back:  
6
```

- ▶ Input 6 to go back and select the 3

```
*****Indra gandhi Delhi Technical University for Women*****  
1. About  
2. Departments  
3. Course  
4. Admission  
5. Faculty  
6. Go Back  
Please Select Your Options:  
|
```

Activate V  
Go to Setting

# Delhi module

- ▶ After choose the option 3 and shows the courses of university .

```
Please Select Your Options:
```

```
3
```

1. Undergraduate  
Programme:B.Tech  
Year : 4  
Semester :8
2. Postgraduate  
Programme:M.Tech  
Year : 2  
Semester :4
6. Go Back:

- ▶ Input 6 to go back and select the 4

```
*****Indra gandhi Delhi Technical University for Women*****
```

1. About
2. Departments
3. Course
4. Admission
5. Faculty
6. Go Back

```
Please Select Your Options:
```

```
4
```

Activate V  
Go to Setting

# Delhi module

- ▶ After choose the option 4 and shows the admission process of university .

```
Please Select Your Options:
```

```
4
```

```
For Undergraduate B.tech courses based on IITJEE MAINS rank
```

```
For Postgraduate M.tech courses based on GATE scores
```

```
6. Go Back:
```

Activate

- ▶ Input 6 to go back and select the 5

```
*****Indra gandhi Delhi Technical University for Women*****
```

```
1. About
```

```
2. Departments
```

```
3. Course
```

```
4. Admission
```

```
5. Faculty
```

```
6. Go Back
```

```
Please Select Your Options:
```

Activate V

Go to Setting

# Delhi module

- ▶ After choose the option 5 and shows the faculty of university .

Please Select Your Options:

5

HOD CSE Department: Prof. Seeja. K. R.

Qualification :Phd in Computer Science in 2010 from Jamia Hamdard University

HOD IT Department: Prof. Amar K Mohapatra

Qualification :Phd in IT from GGSIP university

6. Go Back:

█

Activate Windows

Go to Settings to activate V

- ▶ Input 6 to go back

\*\*\*\*\*Indra gandhi Delhi Technical University for Women\*\*\*\*\*

1. About

2. Departments

3. Course

4. Admission

5. Faculty

6. Go Back

Please Select Your Options:

█

Activate V

Go to Setting



# other State module

- ▶ Same way to view the other state university like Delhi

```
*****Select State*****
```

1. Delhi
2. Jharkhand
3. Madhya Pradesh
4. Karnataka

```
Please Select Your Options:
```

```
1
```

Activate Window

Go to Settings to activate window

# Contact us module

- ▶ Home page having three options:
- ▶ Input 2 for contact details

```
*****home page*****  
1. University details  
2. Contact us for enquiry  
3. Exit  
Please Select Your Options: 1
```

# Contact us module

- ▶ After Input 2 it shows the contact details like address, toll-free number, e-mail

```
----- Contact us -----  
  
Address: Gate No.7 Mp Nagar , Bhopal highway,  
         pincode - 478910,Madhyapradesh,India  
  
Toll-Free : 1800-290-6678  
           1800-298-7721  
  
E-mail: enquiry@Contact.edu.in
```

# Tool Chain/Technical Coverage

**VS Code IDE for Python**



Visual Studio Code

**Git hub and Git bash for Git**



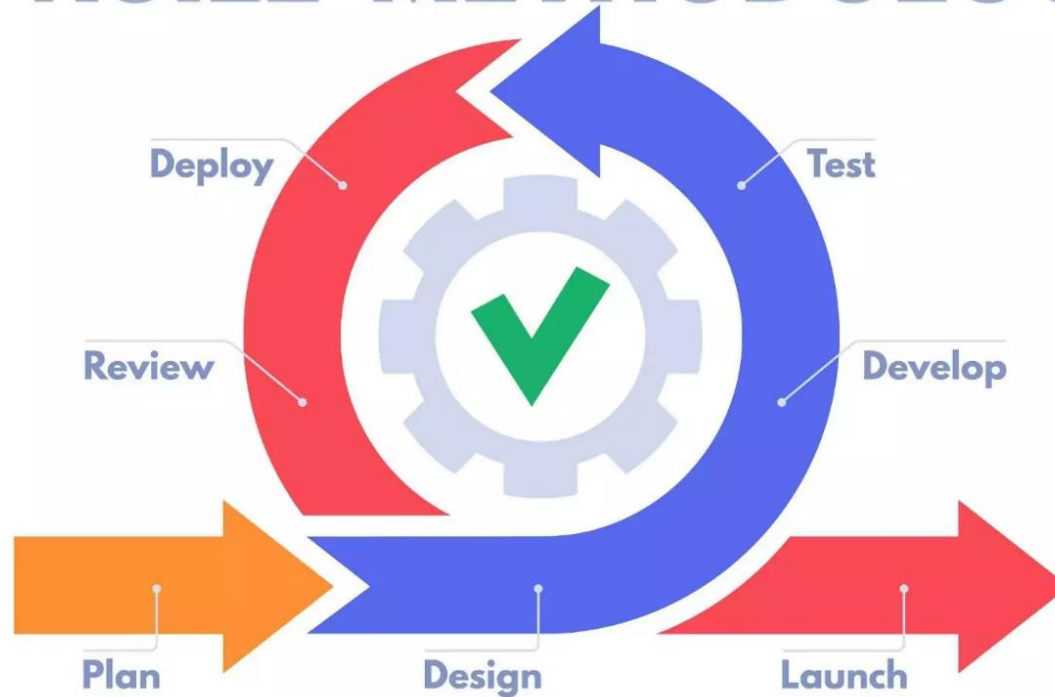
git

**AWS for deploy**



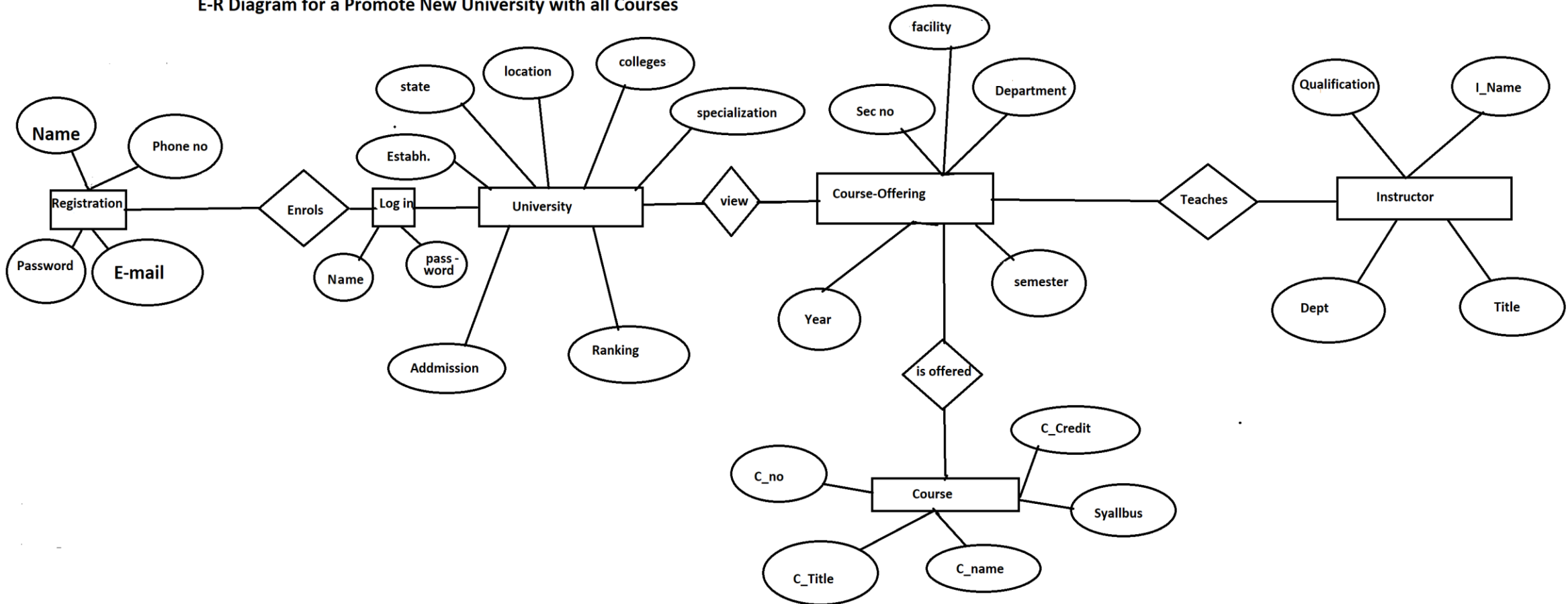
# Agile Methodology

## AGILE METHODOLOGY



# E-R Diagram

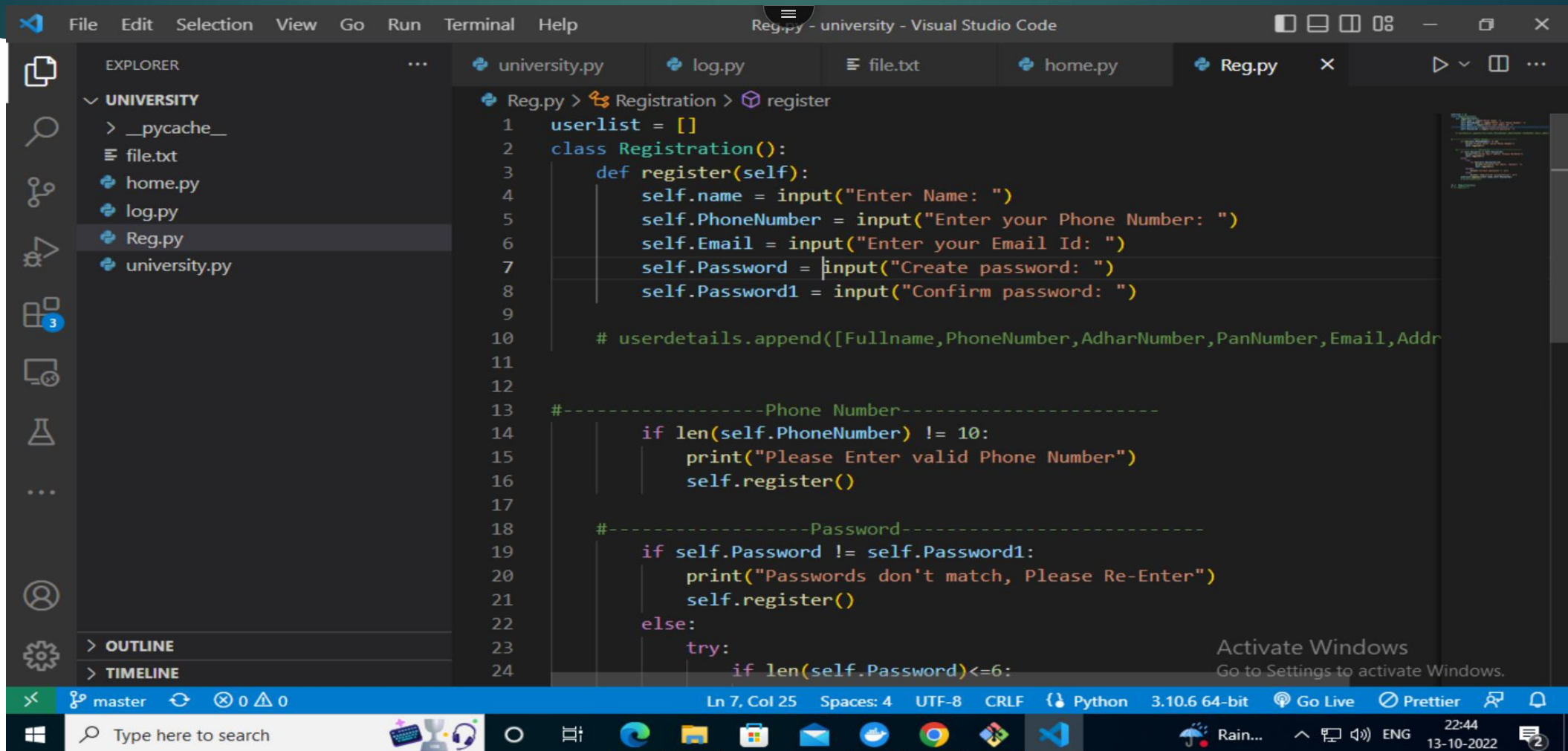
E-R Diagram for a Promote New University with all Courses



# Advantage

- ← **This project is promoting a new university with all the information like courses and all . This project helps us to people to know about new university whose recently open in brief. I think many peoples not aware of new university .**

# Code overview: Register page



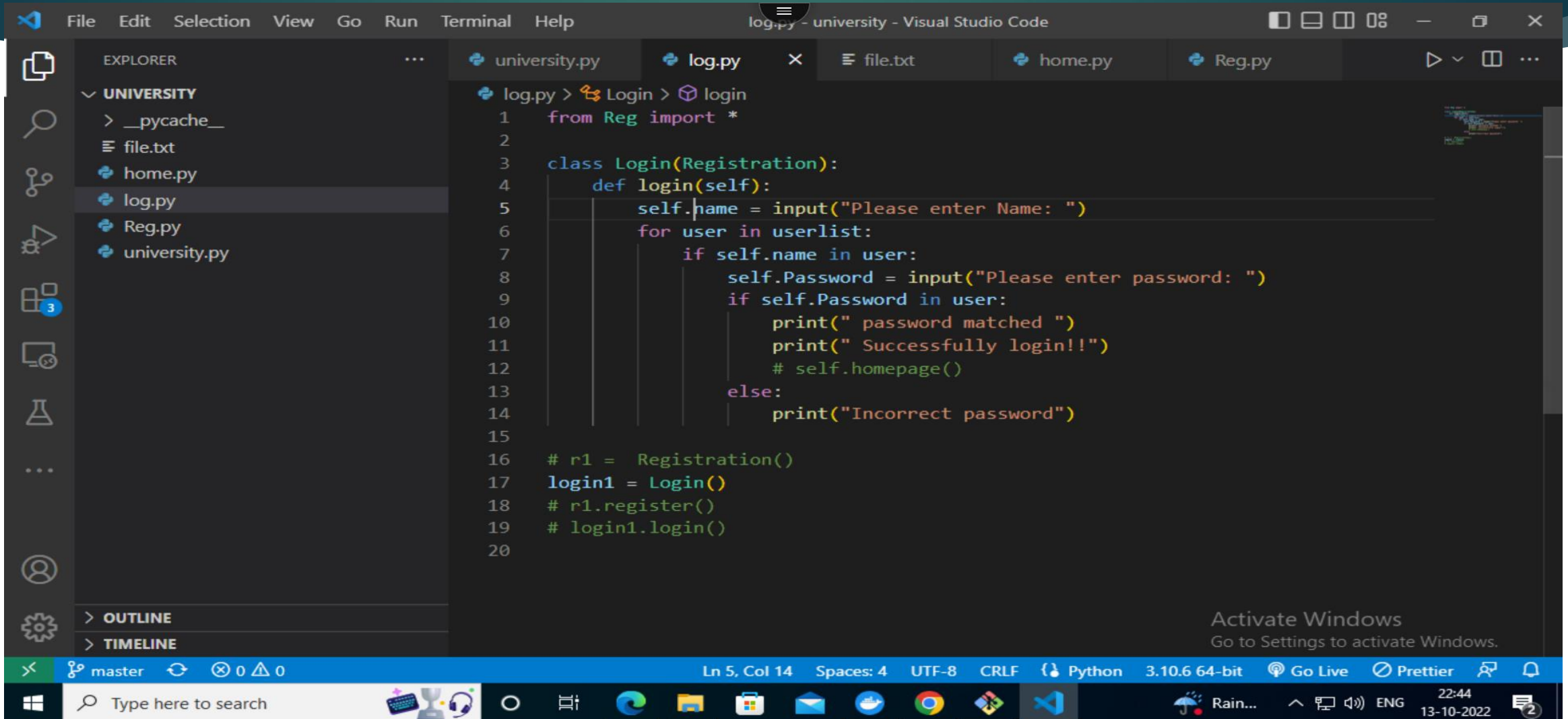
The screenshot displays the Visual Studio Code interface with the 'Reg.py' file open. The Explorer sidebar on the left shows the project structure under 'UNIVERSITY', including files like 'file.txt', 'home.py', 'log.py', 'Reg.py', and 'university.py'. The main editor area shows the following Python code:

```
1  userlist = []
2  class Registration():
3      def register(self):
4          self.name = input("Enter Name: ")
5          self.PhoneNumber = input("Enter your Phone Number: ")
6          self.Email = input("Enter your Email Id: ")
7          self.Password = input("Create password: ")
8          self.Password1 = input("Confirm password: ")
9
10         # userdetails.append([Fullname,PhoneNumber,AdharNumber,PanNumber,Email,Addr
11
12
13         #-----Phone Number-----
14         if len(self.PhoneNumber) != 10:
15             print("Please Enter valid Phone Number")
16             self.register()
17
18         #-----Password-----
19         if self.Password != self.Password1:
20             print("Passwords don't match, Please Re-Enter")
21             self.register()
22         else:
23             try:
24                 if len(self.Password)<=6:
```

The status bar at the bottom indicates the current position is Line 7, Column 25, with 4 spaces. It also shows the Python version (3.10.6 64-bit) and other settings like 'Go Live' and 'Prettier'. The Windows taskbar at the very bottom shows the time as 22:44 on 13-10-2022.



# Code overview: Login page

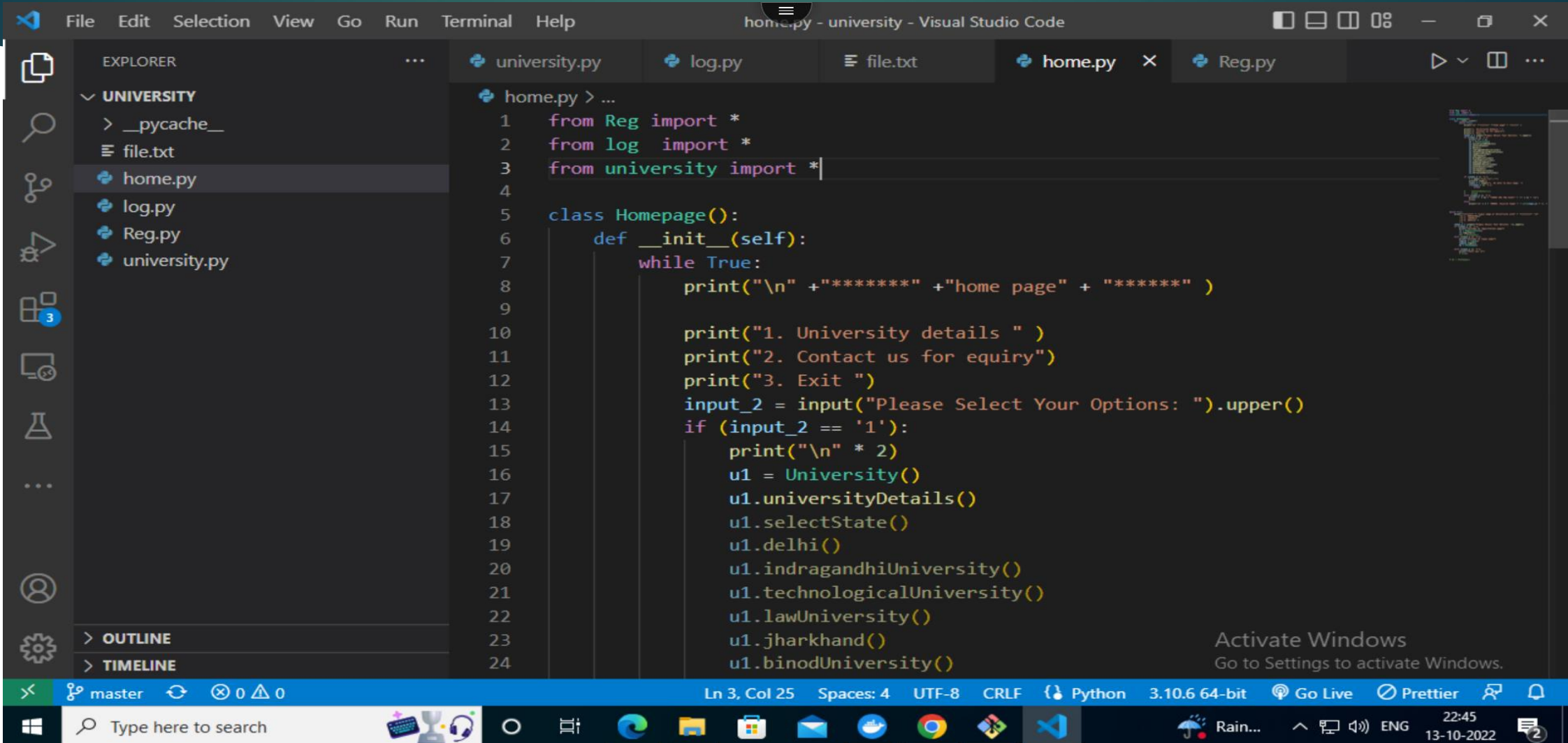


The screenshot displays the Visual Studio Code interface with a Python file named `log.py` open. The Explorer sidebar on the left shows a project named `UNIVERSITY` containing files `__pycache__`, `file.txt`, `home.py`, `log.py` (selected), `Reg.py`, and `university.py`. The main editor area shows the following code:

```
log.py > Login > login
1  from Reg import *
2
3  class Login(Registration):
4      def login(self):
5          self.name = input("Please enter Name: ")
6          for user in userlist:
7              if self.name in user:
8                  self.Password = input("Please enter password: ")
9                  if self.Password in user:
10                     print(" password matched ")
11                     print(" Successfully login!!")
12                     # self.homepage()
13             else:
14                 print("Incorrect password")
15
16 # r1 = Registration()
17 login1 = Login()
18 # r1.register()
19 # login1.login()
20
```

The status bar at the bottom indicates the current file is `log.py` at line 5, column 14, using UTF-8 encoding and CRLF line endings. It also shows the Python version as 3.10.6 64-bit and mentions extensions like Go Live and Prettier. A Windows taskbar is visible at the very bottom with the search bar and several application icons.

# Code overview: Homepage



The screenshot displays the Visual Studio Code interface with a project named 'university'. The Explorer sidebar on the left shows the file structure: `__pycache__`, `file.txt`, `home.py` (selected), `log.py`, `Reg.py`, and `university.py`. The main editor area shows the code for `home.py`, which includes imports from `Reg`, `log`, and `university`, and a `Homepage` class with an `__init__` method containing a loop for displaying a menu.

```
home.py > ...
1  from Reg import *
2  from log import *
3  from university import *
4
5  class Homepage():
6      def __init__(self):
7          while True:
8              print("\n" + "*****" + "home page" + "*****" )
9
10             print("1. University details " )
11             print("2. Contact us for equiry")
12             print("3. Exit ")
13             input_2 = input("Please Select Your Options: ").upper()
14             if (input_2 == '1'):
15                 print("\n" * 2)
16                 u1 = University()
17                 u1.universityDetails()
18                 u1.selectState()
19                 u1.delhi()
20                 u1.indragandhiUniversity()
21                 u1.technologicalUniversity()
22                 u1.lawUniversity()
23                 u1.jharkhand()
24                 u1.binodUniversity()
```

The status bar at the bottom indicates the current file is at line 3, column 25, with 4 spaces, UTF-8 encoding, CRLF line endings, Python 3.10.6 64-bit, and the use of Go Live and Prettier extensions. The Windows taskbar at the very bottom shows the search bar and various application icons.

The image is a screenshot of a web browser displaying a GitHub repository page. The browser's address bar shows the URL 'github.com/Navbharat77/ITC-Project/tree/master'. The page header includes the GitHub logo, a search bar, and navigation links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. The repository name 'Navbharat77 / ITC-Project' is prominently displayed, along with a 'Public' badge and statistics for 'Pin', 'Unwatch' (1), 'Fork' (0), and 'Star' (0). Below the repository name, there are tabs for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The 'Code' tab is selected, showing a file list for the 'master' branch. The file list includes 'Navbharat77 Create README.md', '\_\_pycache\_\_', 'README.md', 'Reg.py', 'file.txt', 'home.py', 'log.py', and 'university.py'. On the right side, the 'About' section states 'No description, website, or topics provided.' and shows '0 stars', '1 watching', and '0 forks'. The 'Releases' section indicates 'No releases published' with a link to 'Create a new release'. The 'Packages' section is partially visible at the bottom. The Windows taskbar at the very bottom shows the search bar, several application icons, and the system clock displaying '22:48' on '13-10-2022'.

# AWS

```
C:\Windows\System32\cmd.exe

Are you sure you want to continue connecting (yes/no/[fingerprint])?
Please type 'yes', 'no' or the fingerprint:
Host key verification failed.
lost connection

C:\Users\itcdigpy12\Desktop\web>scp -i ./ProjectKeyPairItc.pem -r ./university/* ubuntu@ec2-18-237-120-145.us-west-2.co
mpute.amazonaws.com:/home/ubuntu
The authenticity of host 'ec2-18-237-120-145.us-west-2.compute.amazonaws.com (18.237.120.145)' can't be established.
ECDSA key fingerprint is SHA256:q9uA2xGTiUuDAaZtL52rbg8d59K7DEL8QWQlu4K1hwk.
Are you sure you want to continue connecting (yes/no/[fingerprint])?
Please type 'yes', 'no' or the fingerprint:
Warning: Permanently added 'ec2-18-237-120-145.us-west-2.compute.amazonaws.com,18.237.120.145' (ECDSA) to the list of kn
own hosts.
Reg.py                                100% 1257      4.4KB/s   00:00
log.cpython-310.pyc                   100% 674        2.5KB/s   00:00
Reg.cpython-310.pyc                   100% 998        3.7KB/s   00:00
university.cpython-310.pyc            100% 16KB      60.0KB/s   00:00
file.txt                             100% 248        0.9KB/s   00:00
home.py                              100% 2343      8.6KB/s   00:00
log.py                               100% 611        2.3KB/s   00:00
university.py                         100% 34KB     127.4KB/s   00:00

C:\Users\itcdigpy12\Desktop\web>_
```

> TIMELINE

1. Go back to main page:



Thank you

Any question ?