AND TRENDS IN CAMPUS PLACEMENT DATA USING MIEACHINE LEARNING

SUBMITTED BY,

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INTRODUCTION:

OVERVIEW

- 1.PURPOSE
- 2.ADVANTAGES
- 3.DISADVANTAGES
- 4. CONCLUSION
- 5. FUTURE SCOPE

➤ PROJECT OVERVIEW :

- Campus recruitment is a strategy for sourcing, engaging and hiring young talent for internship and entry level positions.
- College recruiting is typically a tactic for medium to large sized companies with high volume recruiting needs, but can range from small efforts to large scale operations.
- Campus recruitment often involves working with university career services centers and attending career fairs to meet in person with college students and recent graduates.
- It has various factors on candidates getting hired such as work experience, exam percentage etc.,
- Finally it contains the status of recruitment and remuneration details.
- ❖ We will be using algorithms such as KNN,SVM and ANN.
- ❖ Based on this a final data set is created and the interested candidates will be registered automatically by the system.

PURPOSE:

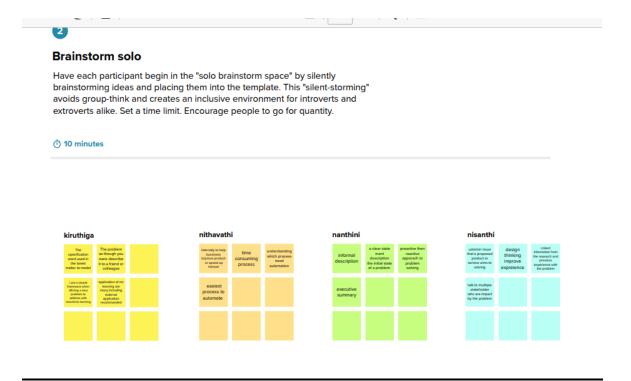
- ❖ Campus placement or campus recruiting is a program conducted within universities or other educational institutions to provide jobs to students nearing completion of their studies .
- In this type of program, the educational institutions partner with corporations who wish to recruit from the student population.
- Placement Management System manages student information in the college with regard to placement.
- It improves existing system .
- It has the facility of maintaining the details of the student, thereby reducing the manual work.
- It will save time and energy which are spending in making reports and collecting data.
- Placement Management System can be accessed throughout the college with proper login provided.

PROBLEM DEFINITION & DESIGN THINKING:

➤ EMPATHY MAP:



IDEATION & BRAINSTORMING MAP:



RESULT:

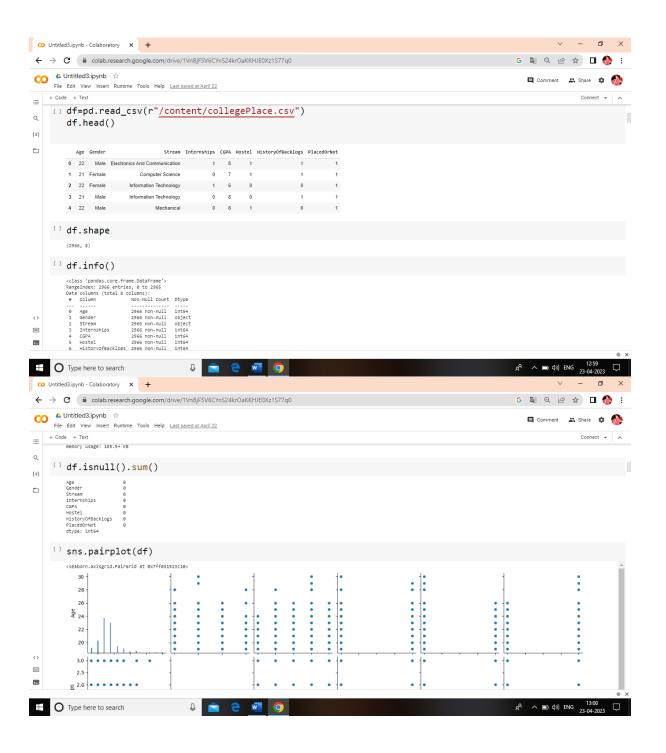
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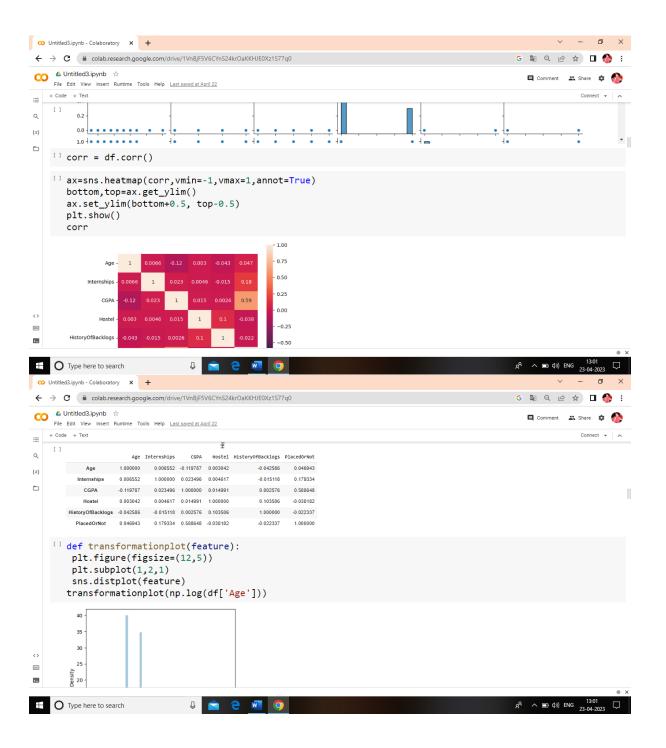
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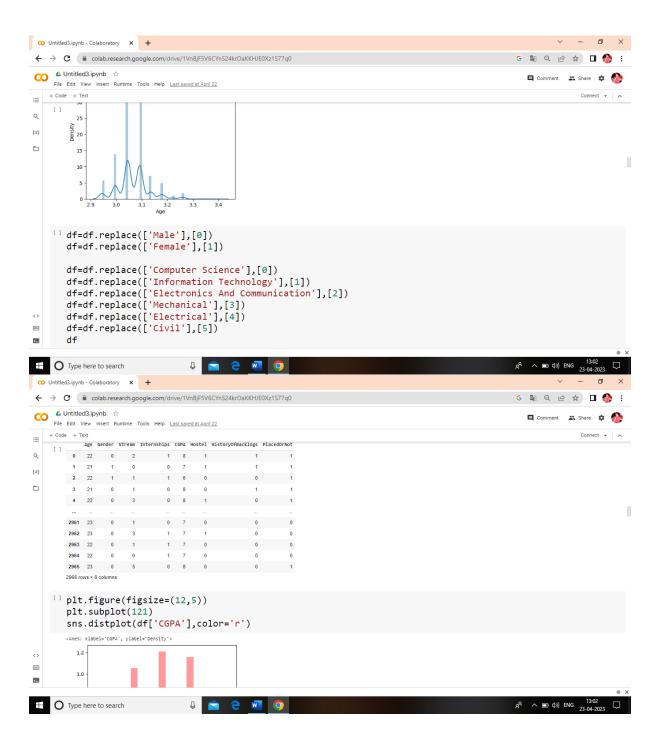
import numpy as np
import pandas as pd
import os
import seaborn as sns
import matplotlib.pyplot as plt
from sklearn import svm
from sklearn.metrics import accuracy_score
from sklearn.metrics import tNeighborsClassifier
from sklearn import metrics
from sklearn.model_selection import cross_val_score
from sklearn.model_selection import train_test_split
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
import joblib
from sklearn.metrics import accuracy_score

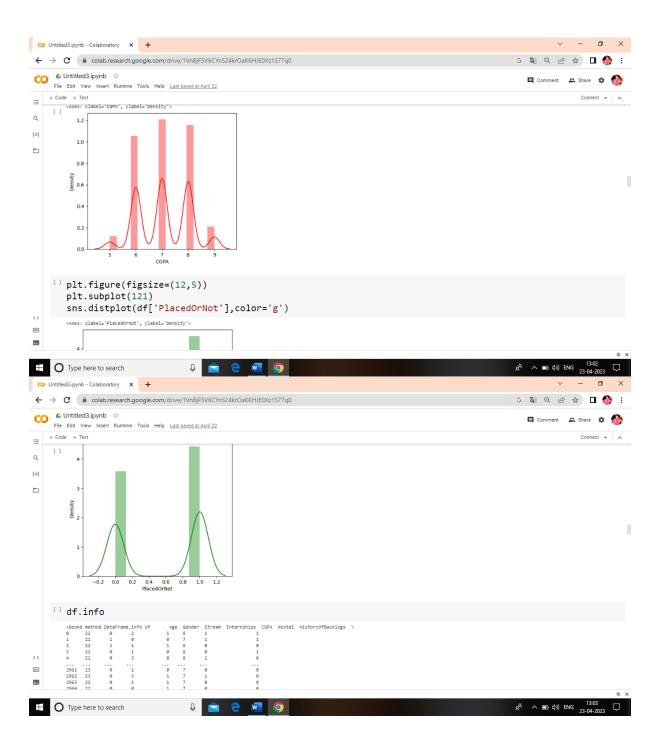
df=pd.read_csv(r"/content/collegePlace.csv")
df.head()

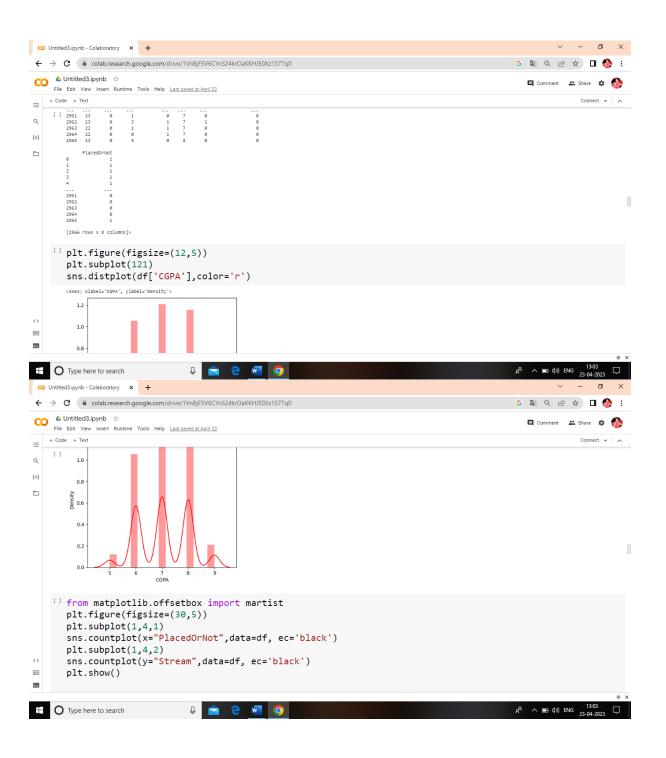
	Age	Gender	Stream	Internships	CGPA	Hostel	History Of Backlogs	PlacedOrNot
0	22	Male	Electronics And Communication	1	8	1	1	1
1	21	Female	Computer Science	0	7	1	1	1
2	22	Female	Information Technology	1	6	0	0	1
3	21	Male	Information Technology	0	8	0	1	1
4	22	Male	Mechanical	0	8	1	0	1

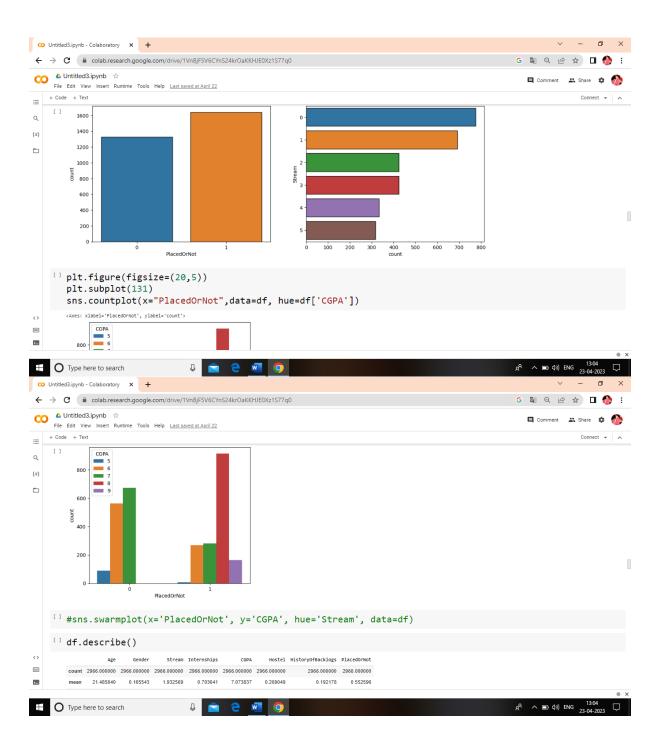


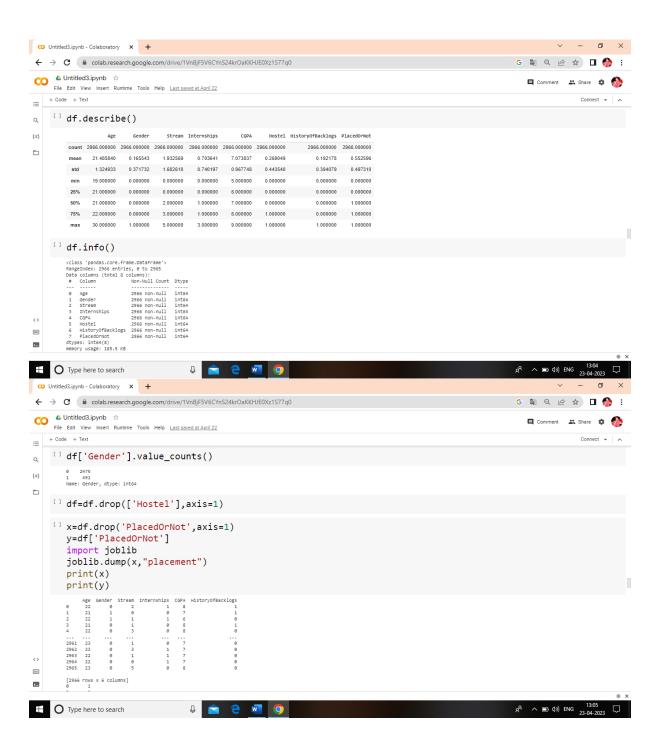


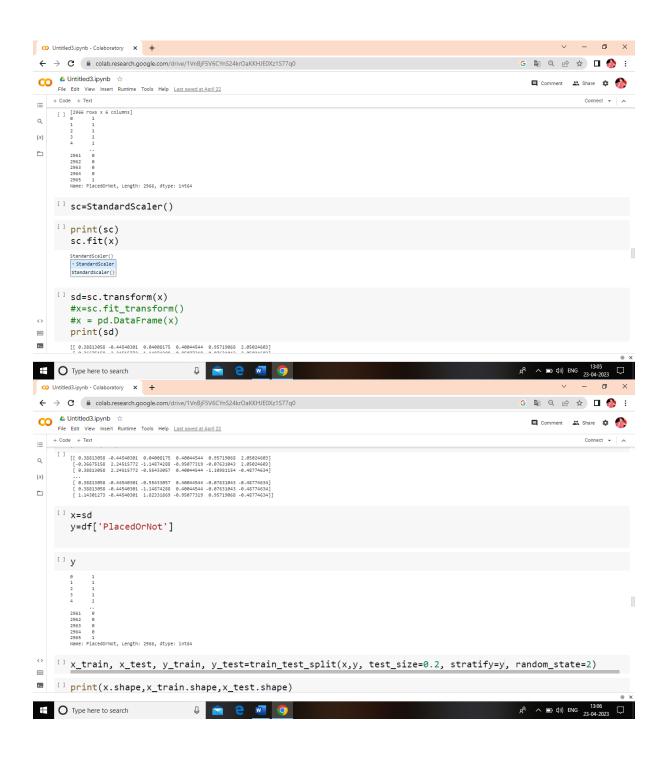


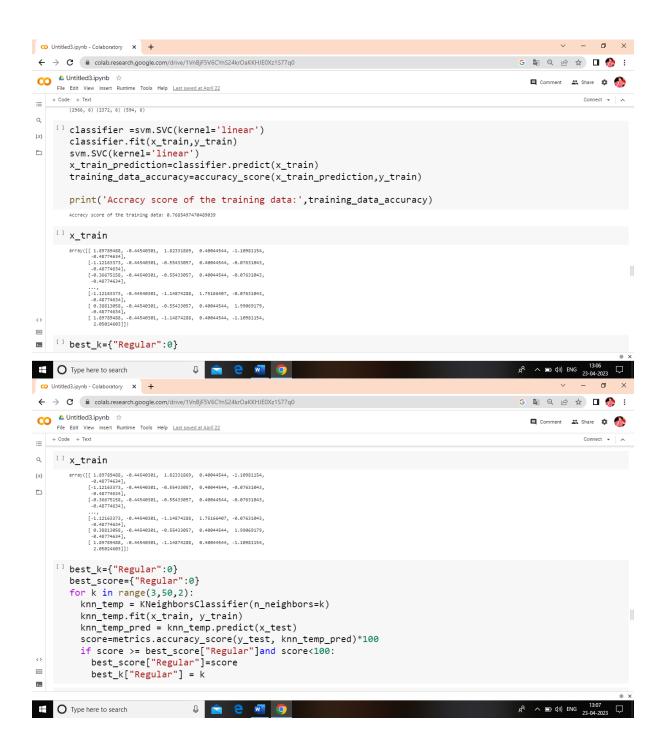


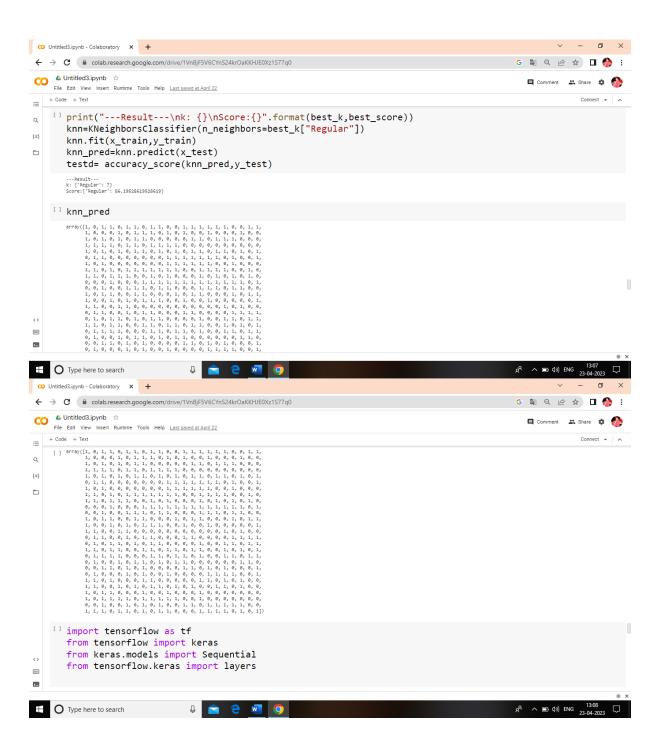


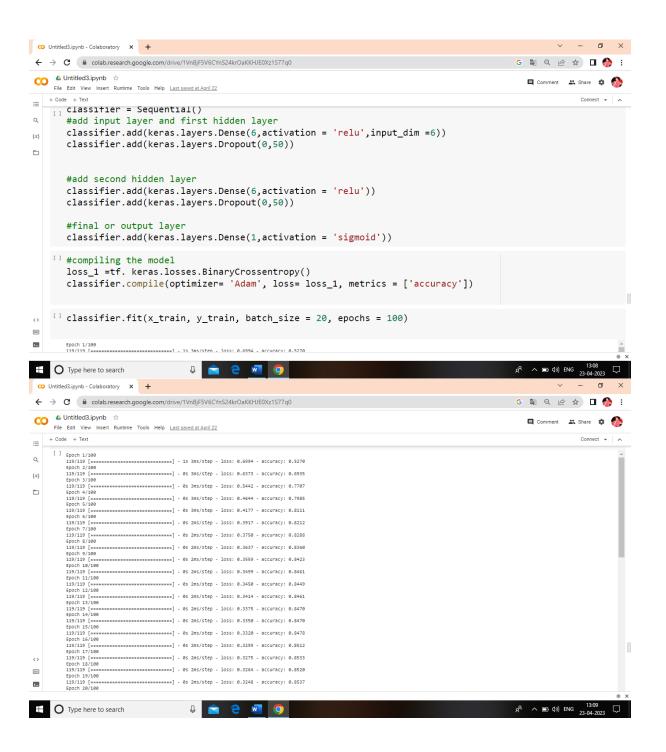


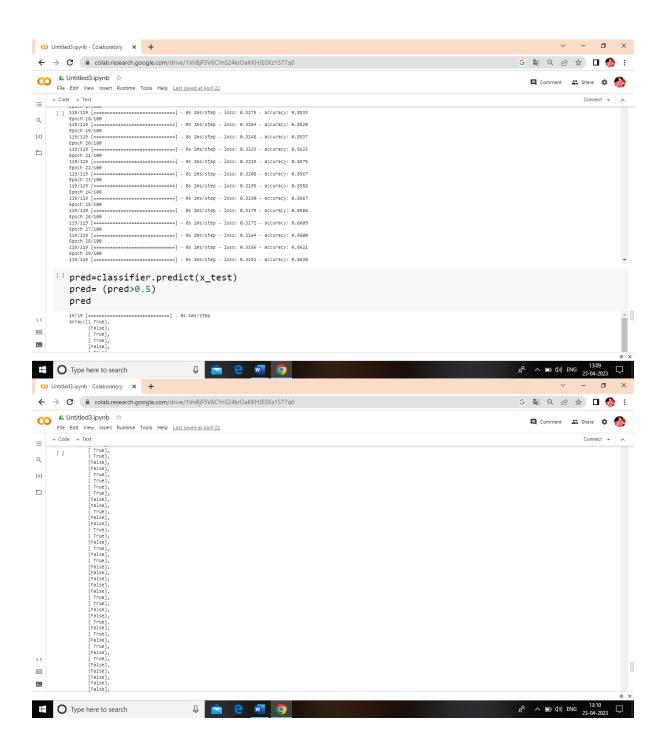












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    [] from sklearn.metrics import confusion_matrix
       cm=confusion_matrix(y_test, pred)
{x}
input_data=[[23,0,2,1,8,1]]
        prediction=knn.predict(input_data)
        print(prediction)
        if(prediction[0]==0):
         print('Not placed')
        else:
       print('placed')
    input_data=[[23,0,1,0,7,0]]
        prediction=knn.predict(input_data)
        print(prediction)
        if(prediction[0]==0):
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          print('Not placed')
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(x) [] input_data=[[23,0,1,0,7,0]]
        prediction=knn.predict(input_data)
        print(prediction)
       if(prediction[0]==0):
         print('Not placed')
        else:
       print('placed')
    [] import pickle
        pickle.dump(knn,open("placement.pkl",'wb'))
        model = pickle.load(open('placement.pkl','rb'))
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ADVANTAGES:

- Work placement allows students to have a real time experience of the job at hand
- ❖ At times, what is taught in theory in a school or university may not be the same as a real time experience
- For example, a textbook may teach you theoretically,how to build a box
- Offering you an insight into the 'world of work' and allows you to get a feel for what you do and don't like doing
- **❖** Adds invaluable work expreience to your cv which is attractive to graduate empolyers
- Provides the opportunity to work with a more diverse group of pepole

DISADVANTAGES:

- **❖**Adapting to work placement might not be easy
- ❖You'll have to communication ,get to know a new group of people and work under more pressure that you're used to
- ❖As a result, work placements can be daunting and more stressful then your established student life

APPLICATIONS:

- **✓** Operating system: Windows 10
- ✓ Front end : html, python
- ✓ Software :anaconda, pycharm communication.

CONCULISION:

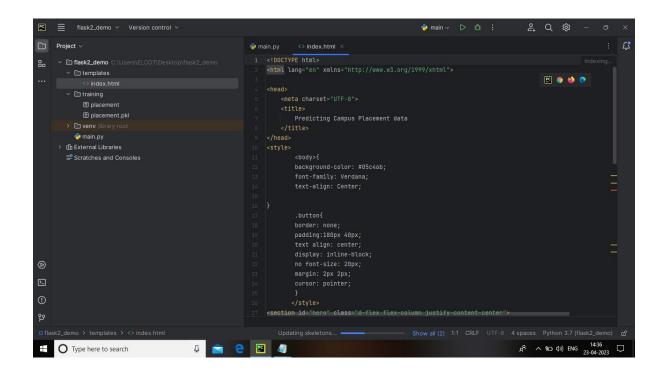
- Placement is understood as the allocation of people to jobs
- ❖If the number of individuals is large in relation to available jobs, only the best qualified persons can be selected and placed
- Once we establish this unique profile for each individual, people and jobs can be matched optimally within the constraints set by available jobs and available people

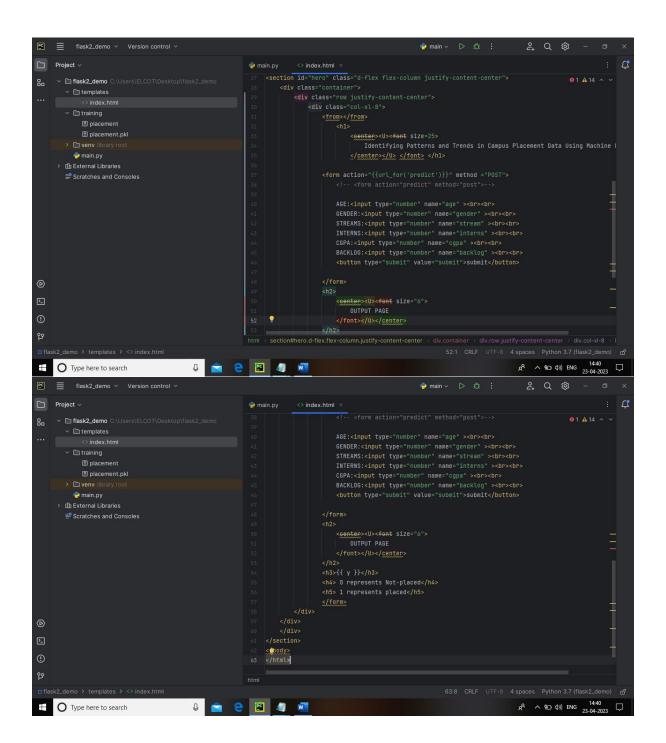
FUTURE SCOPE:

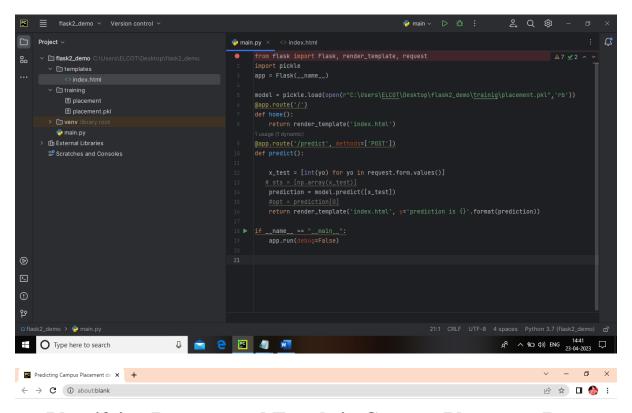
- The project has a wide scope
- Our project mainly helps in improving productivity and makes use of utilization of resources
- Which provides the up to date information of all the students in the collage

APPENDIX:

SOURCE CODE:







Identifying Patterns and Trends in Campus Placement Data Using Machine Learning

