**PATTERNS AND TRENDS IN CAMPUS PLACEMENTS**

***INTRODUCTION:***

***1.1 Overview***

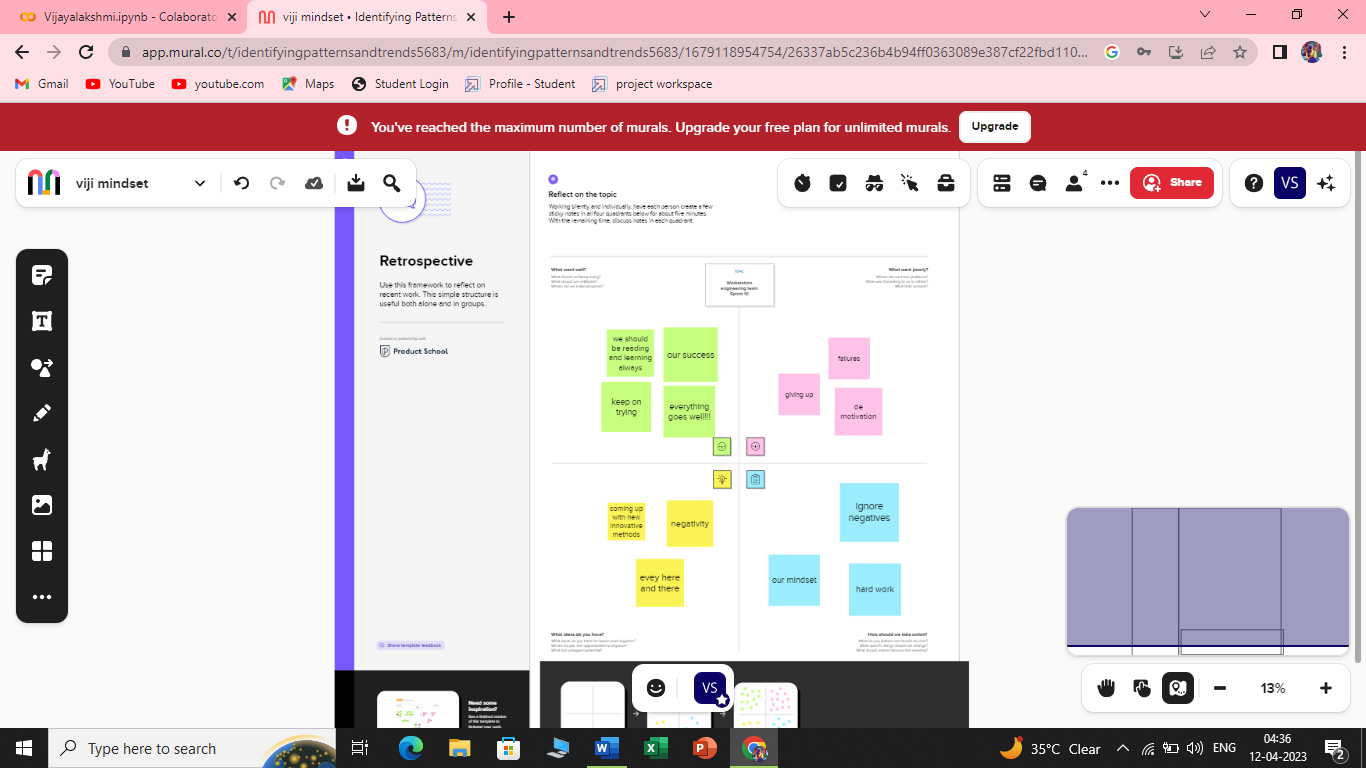
This dataset consist of Placement data of students in our campus. It includes age, gender, stream, internship and CGPA . Where it has various factors candidates getting hired such has work work experience, exam percentage etc..,

We will be using algorithms such as KNN, SVM and ANN. We will train and test the data with these algorithms. From these the best model is selected and saved in.pkl format. We will be doing flask integration and IBM deployment.

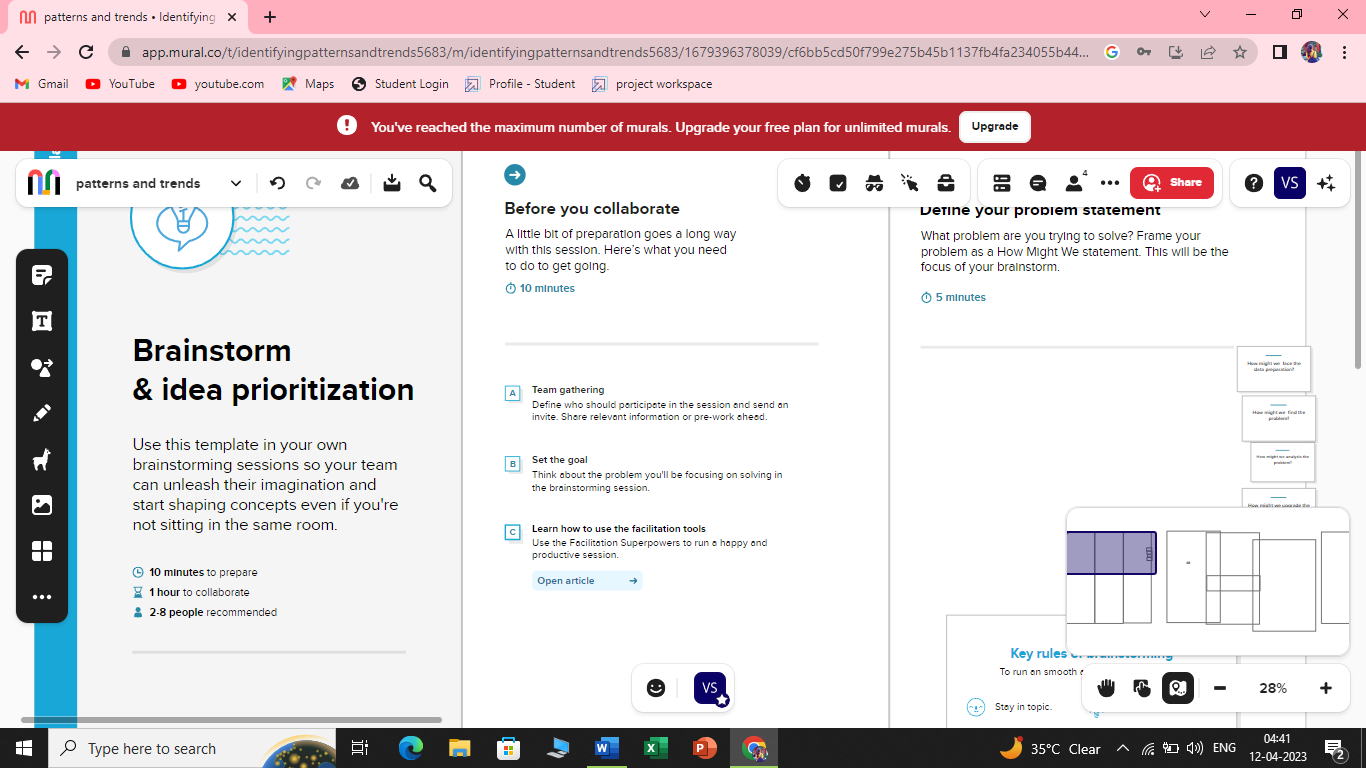
1.2 purpose

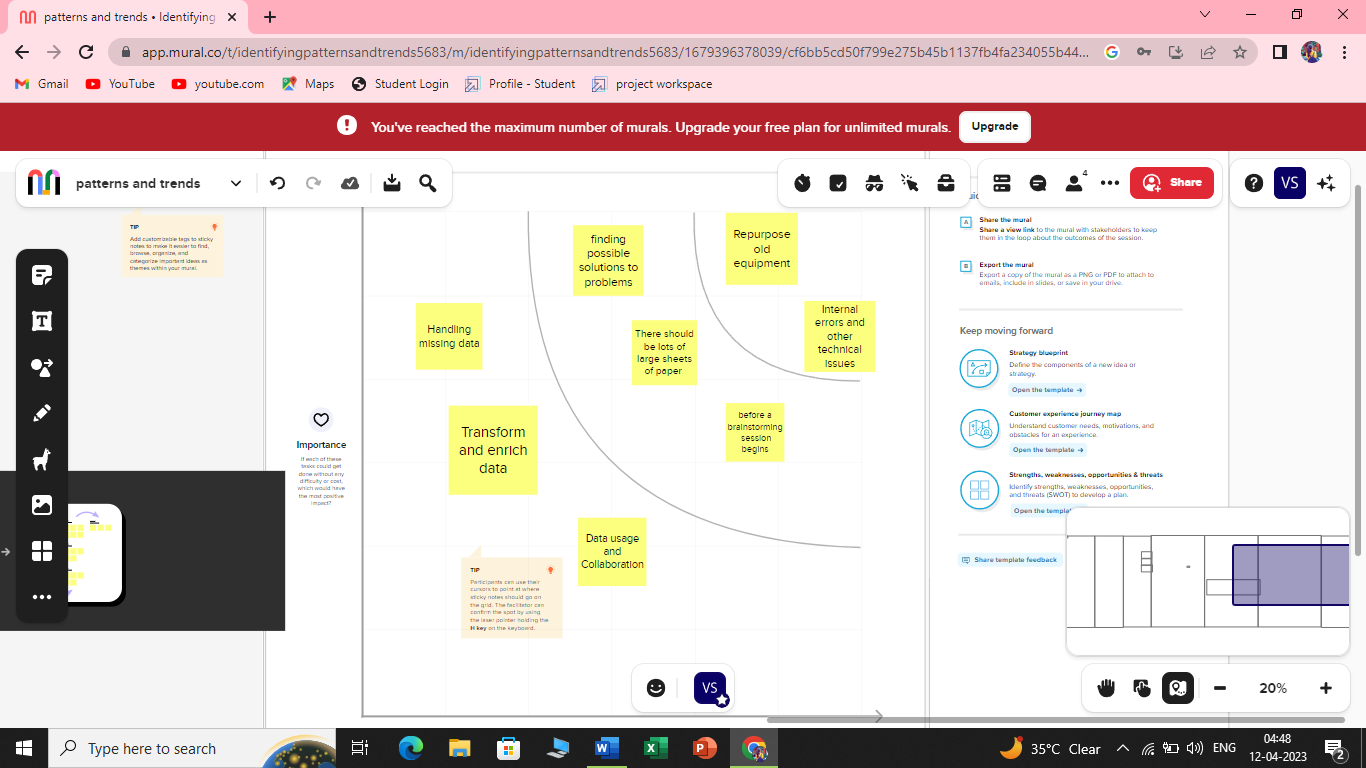
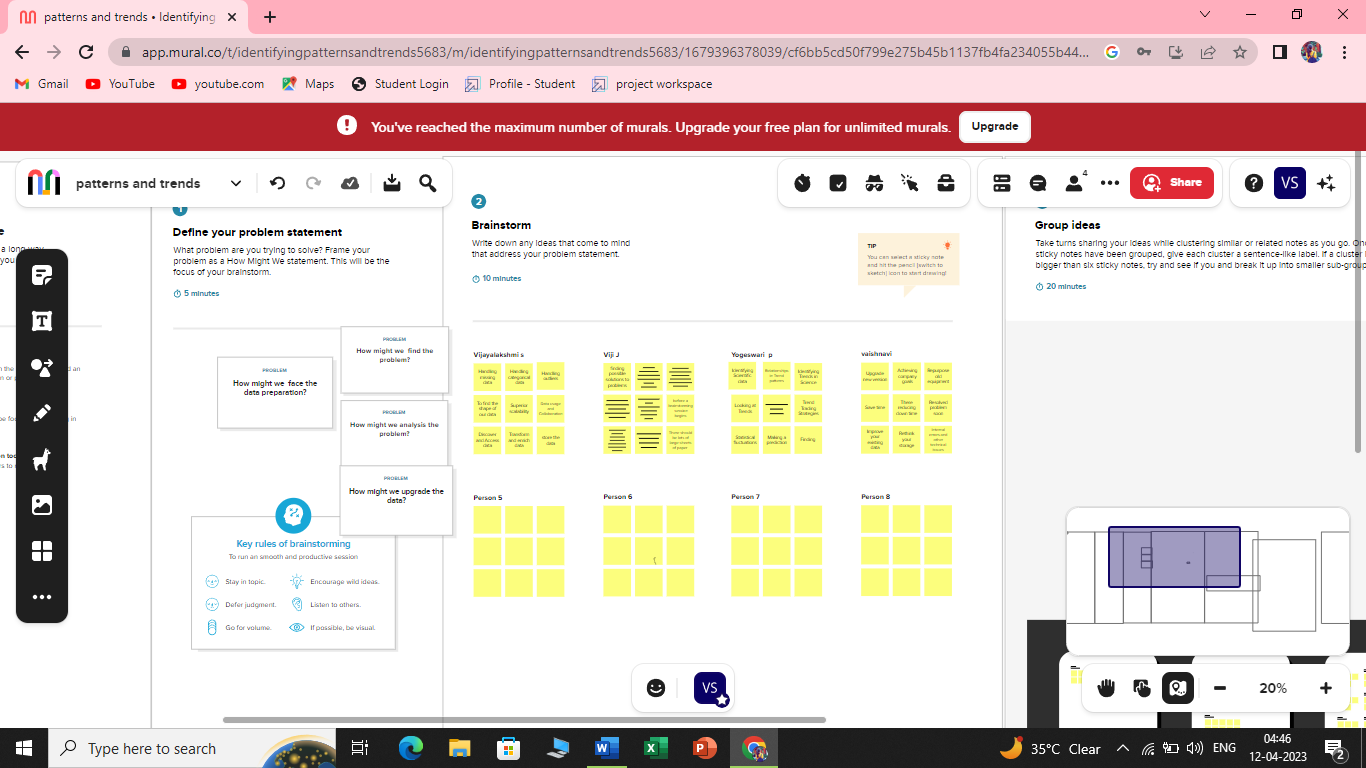
* In on-Campus placement drives, requirement companies are officially invited on the college campus to conduct interviews to gauge their potential as future employees.
* The placement process is centralized. Before the interviews they make a selection on criteria like student’s knowledge technical abilities ,and zeal to work.

**2. PROBLEM DEFINITION & DESIGN THINKING**

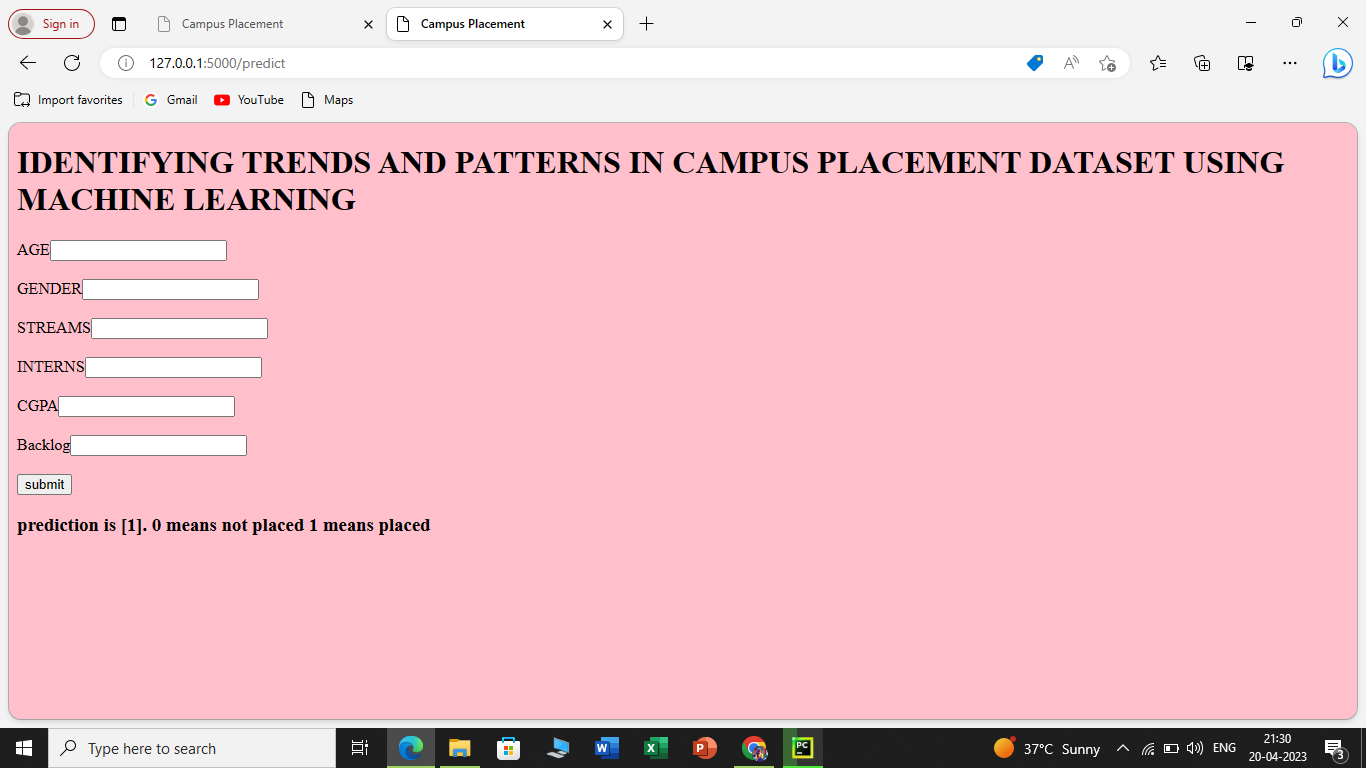
2.1.Empathy map:

2.2.Ideation and brainstorming map:





**3.RESULT:**



**4. ADVANTAGES & DISADVANTAGES**

* Predict the result and we then compare the efficiency of the algorithms, which is based on the dataset.
* This model helps the position cell at intervals a corporation to spot the potential students and concentrate and improve their technical and social skills.
* They used normal conditional statements of getting information
* They don’t have proper algorithms for analysing for new placements.

**5.APPLICATIONs:**

* Trend Analysis
* Computer view

**6.CONCLUSION:**

* The algorithms of machine learning we have discussed are can used to find the trend of placement, which will be helpful for university to get more admission in future.
* We compared the algorithm and find out the accuracy by considering some of attributes of students.
* Here we used deep neural network classifier with the 1000,2000,5000 iteration with 71%,77% and 91% of accuracy.

**7.FUTURE SCOPE**

* A machine learning algorithms are play a very important role while predicting something, in future student performance will tell the institute and student weather he/she will clear the subject or not
* The students can evaluate themselves about their suitable job role.
* The students can analyze about their strengths and weakness.
* They can improve the weak points and get success for their goals.
* The screening of students by recruiters often take less time instead of spending lots of months to give a role to the students.

**APPENDIX**

1. Source code:

