NAN MUTHALVAN

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INTELLIGENT ADMISSION:

THE FUTURE OF UNIVERSITY DECISION MAKING WITH MACHINE LEARNING

INTRODUCTION:

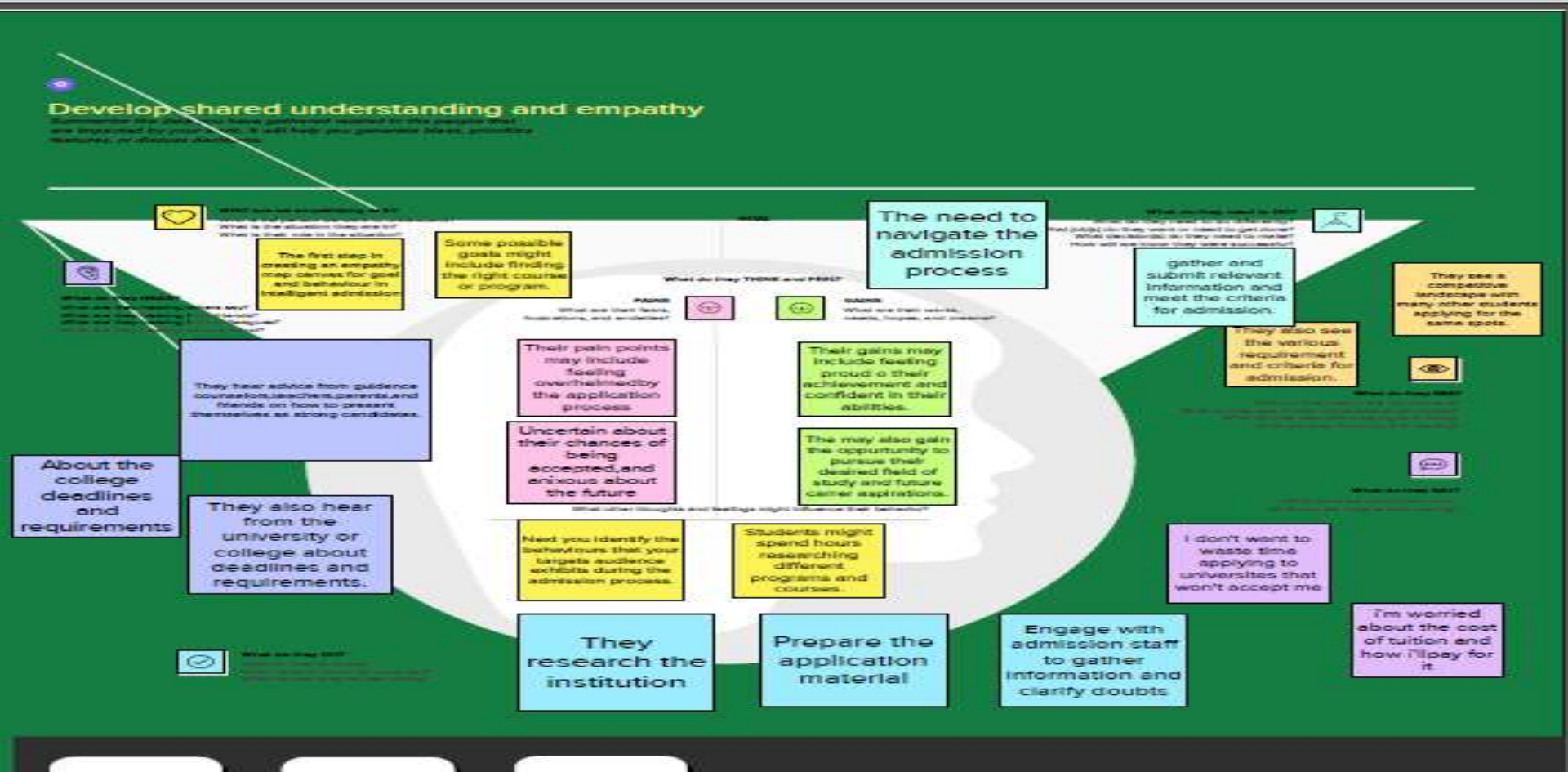
University admission is the process by which students are selected to attend a college or university. The process typically involves several steps, including submitting an application, taking entrance exams, and participating in interviews or other evaluations.

Students are often worried about their chances of admission in University. the university admission process for students can be demanding, but by being well-informed, prepared, and organized, students can increase their chances of being admitted to the university of their choice.

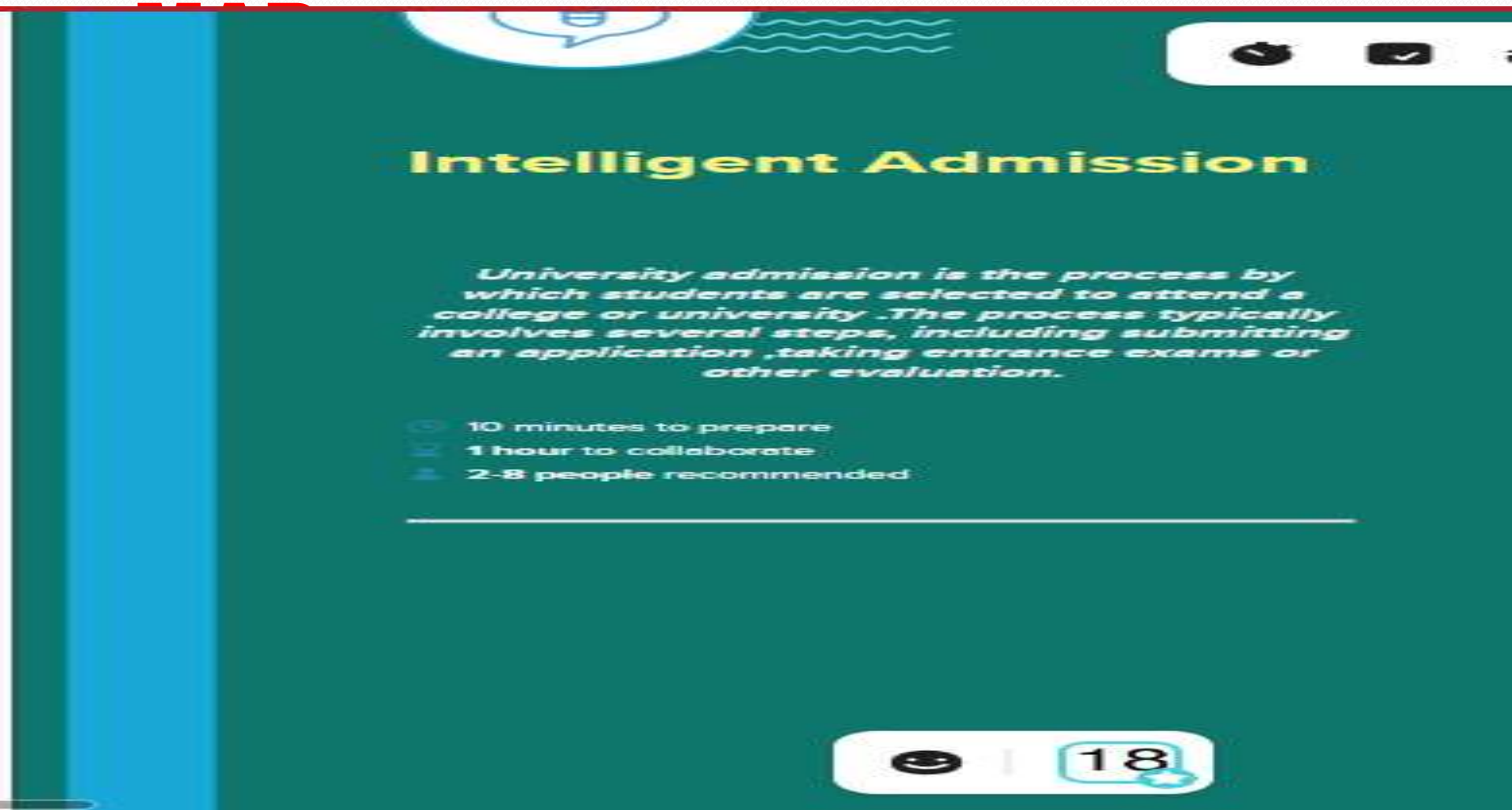
The aim of this project is to help students in short listing universities with their profiles.

PROBLEM DEFINITION & DESIGN THINKING

EMPATHY MAP



IDEATION & BRAINSTORMING




we are form the group
A Team leader sing in most account through the our username and mail id. Team leader sharing a inviting worespace link through the mail id in our team members. and our team members join our workspace.
A Team gathering
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
B Set the goal
Think about the problem you'll be focusing on solving in the brainstorming session.
C Learn how to use the facilitation tools
Use the Facilitation Superpowers to run a happy and productive session.
18


Project Description
1. Student admission are playing very important role in major activity of any university.
2. The aim of project is to help student in short listing university with their profiles.
1.Students Admission are Playing very important role in major activity of any university 2.The aim of project is to help student in short listing university with their profiles 3.This project is about to develop intelligent admission 4.The goal of intelligent admission is provide convinience,save time,bring more object,transperancy and speedy transaction over the manual operation 5.The predicted output gives them fair idea about their admission
Key rules of brainstorming
To run an smooth and productive
Stay in topic.
Encourage wild ideas.
Defer judgment.
Listen to others.
Go for volume.
Be visual.
18

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Project Ideas

1. **Save cost associated with manual process.**
2. **Quickly process large amount of university data.**

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Person 1

Person 2

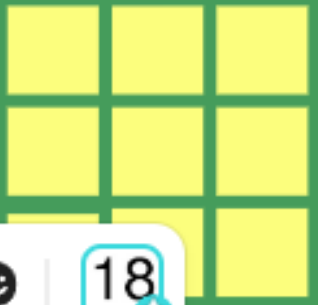
Person 3

Person 4

Person 5

Person 6

Person 7



Person 8

18

3

Group ideas

1. We are used python and java language.
2. We would have taken an alternate route to save time.
3. Algorithms we used as ANN and random forest algorithm.
4. Students can easily predict the information of University.
5. It used to real time process.

20 minutes

we are used python and java language

we would have taken an alternate route to save time

TIP

Add custom bellow tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Algorithms we used as ANn and random forest algorithm

it used to real time process

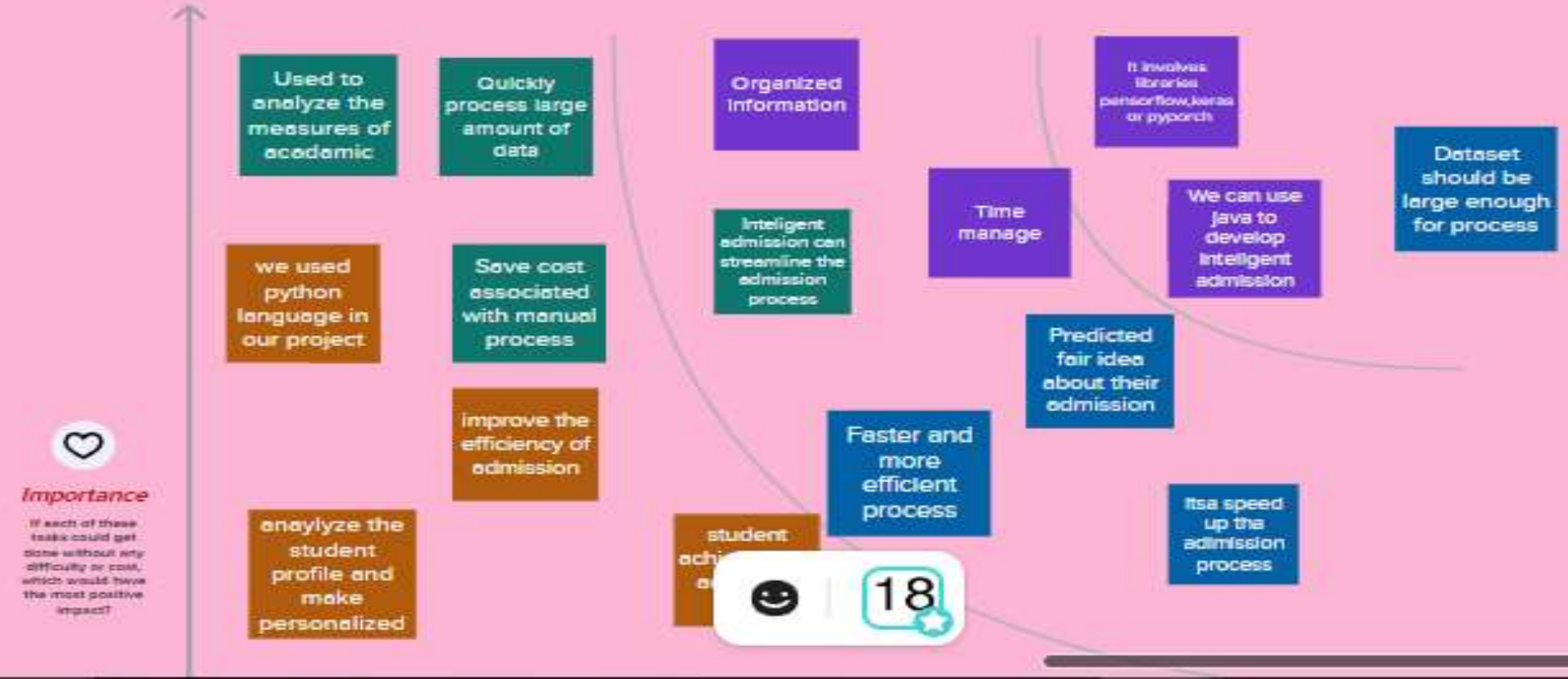
Students can easily predict the information of university

18

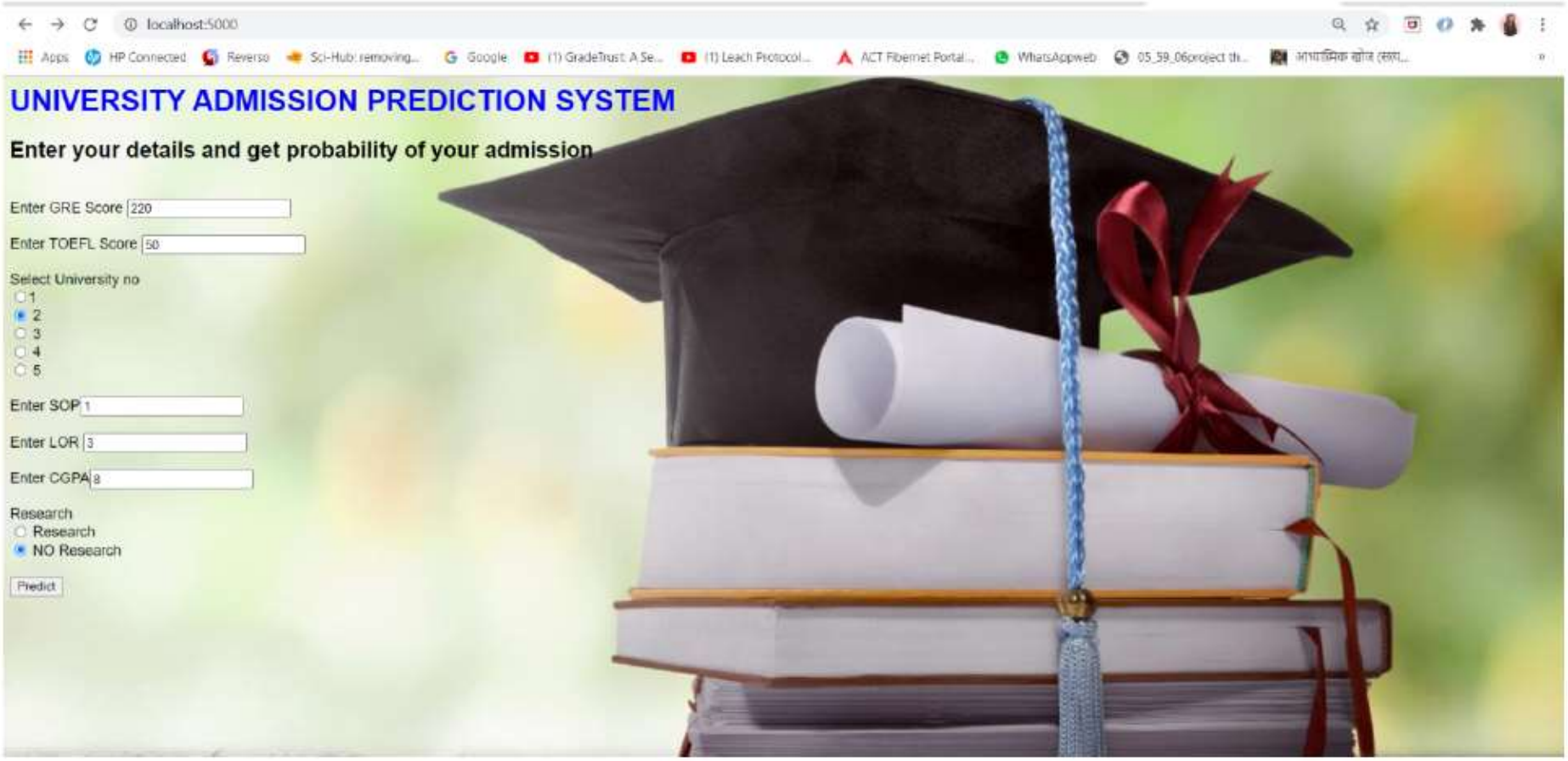
4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.



RESULT:


localhost:5000
Apps
HP Connected
Reverso
Sci-Hub: removing...
Google
(1) GradeTrust: A Se...
(1) Leach Protocol...
ACT Fibernet Portal...
WhatsAppweb
05_59_06project th...
UNIVERSITY ADMISSION PREDICTION SYSTEM
Enter your details and get probability of your admission
Enter GRE Score 220
Enter TOEFL Score 50
Select University no
1
2
3
4
5
Enter SOP 1
Enter LOR 3
Enter CGPA 8
Research
Research
NO Research
Predict

ADVANTAGES:

1. Easily identifies trends and patterns
2. no human intervention needed
3. handlingmulti-dimensional and multi-variety data
4. wide application

DISADVANTAGES:

1. data acquisition
2. time and resources
3. interpretation of results

APPLICATION:

Intelligent admission Once you've weighed up all the factors and carefully made your decision, it's time for the really fun part: applying.

Though this might seem obvious, ensure you take care over this. You don't want to miss out simply because you forgot to submit the required evidence or applied too late.

"Students should check entry requirements and deadlines before applying to make sure that they have the best possible chance of gaining a place on their chosen course," Berry confirms

.

"If they are unsure whether their qualifications are acceptable, they might like to contact the admissions office or international office in their chosen institution to check before submitting a full application."

She emphasizes the importance of applying in good time: "Students should try to make an application as early as possible as this will give them plenty of time to make all the necessary arrangements for a move abroad, including organizing their finances, applying for scholarships and obtaining a student visa."

CONCLUSION:

The study of intelligence is important because findings can give a better understanding of human creativity, psychological development, and emotion. The existence of intelligence has been attributed to both nature and nurture, but the truth behind it may be something of a mix of both.

FUTURE SCOPE:

According to a report published by Forbes, AI job opportunities have been consistently growing at the rate of 74% annually. It is a no-brainer that today, AI is one of the most in-demand technologies and it has its impact in almost every field. As a result, demand for **AI Engineers** is continuously surging. As there is a rise in the number of job opportunities, this is the best time to explore your career in the field of AI.

Below, we have curated a list of various fields where AI is being used or has an immense potential to grow.

SOURCE CODE:

Item shared with you: "Admissio | Admission predict.ipynb - Colabo

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Admission predict.ipynb

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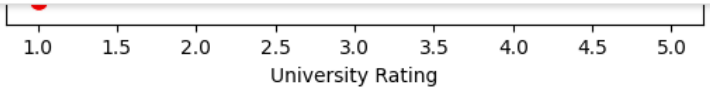
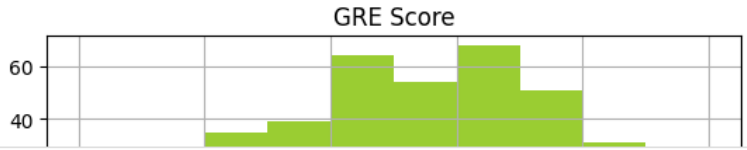
Comment Share 18

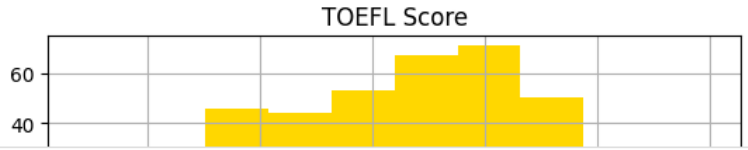
+ Code + Text Connect




```
[ ]  category=['GRE Score','TOEFL Score','University Rating','SOP','LOR ','CGPA','Research','Chance of Admit']
     color=['yellowgreen','gold','lightskyblue','pink','red','purple','orange','gray']
     start=True
     for i in np.arange(4):
       fig=plt.figure(figsize=(14,8))
       plt.subplot2grid((4,2),(i,0))
       data[category[2*i]].hist(color=color[2*i],bins=10)
       plt.title(category[2*i])
       plt.subplot2grid((4,2),(i,1))
       data[category[2*i+1]].hist(color=color[2*i+1],bins=10)
       plt.title(category[2*i+1])

     plt.subplots_adjust(hspace = 0.7, wspace = 0.2)
     plt.show()
```





Search the web and Windows

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Admission predict.ipynb

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```
0.0  0.2  0.4  0.6  0.8  1.0   0.4  0.5  0.6  0.7  0.8  0.9  1.0
```

```
[ ] from sklearn.preprocessing import MinMaxScaler
    sc = MinMaxScaler()
    x=sc.fit_transform(x)
    x
```

```
array([[0.        , 0.94      , 0.92857143, ..., 0.875     , 0.875     ,
        0.91346154],
       [0.00250627, 0.68      , 0.53571429, ..., 0.75      , 0.875     ,
        0.66346154],
       [0.00501253, 0.52      , 0.42857143, ..., 0.5       , 0.625     ,
        0.38461538],
       ...,
       [0.99498747, 0.8       , 0.85714286, ..., 1.        , 0.875     ,
        0.84935897],
       [0.99749373, 0.44      , 0.39285714, ..., 0.625     , 0.75      ,
        0.63461538],
       [1.        , 0.86      , 0.89285714, ..., 1.        , 0.75      ,
        0.91666667]])
```

```
[ ] x=data.iloc[:,0:7].values
    x
```

```
array([[  1.  , 337.  , 118.  , ...,   4.5 ,   4.5 ,   9.65],
       [  2.  , 324.  , 107.  , ...,   4.  ,   4.5 ,   8.87],
       [  3.  , 316.  , 104.  , ...,   3.  ,   3.5 ,   8.  ],
```

Search the web and Windows

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Admission predict.ipynb

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```
       [False],
```

```
[ ] from sklearn.metrics import accuracy_score, recall_score, roc_auc_score, confusion_matrix
    from sklearn.metrics import classification_report

    y_pred = model.predict(x_test)
    y_pred = np.argmax(y_pred, axis=1) # Convert predictions from probabilities to class labels

    print("\nAccuracy score: %f" % (accuracy_score(np.argmax(y_test, axis=1), y_pred) * 100))
    print("\nRecall score: %f" % (recall_score(np.argmax(y_test, axis=1), y_pred, average='macro') * 100))
    print("\nROC score: %f" % (roc_auc_score(y_test, model.predict(x_test), multi_class='ovr') * 100))

    print(confusion_matrix(np.argmax(y_test, axis=1), y_pred))
```

```
4/4 [==============================] - 0s 3ms/step

Accuracy score: 52.500000

Recall score: 50.000000
4/4 [==============================] - 0s 2ms/step

ROC score: 44.899119
[[63  0]
 [57  0]]
```

```
[ ] from sklearn.metrics import accuracy_score, recall_score, roc_auc_score, confusion_matrix
```

Search the web and Windows

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THANK YOU