APPENDIX 1

PROJECT- NAME
Recommender System

END TERM REPORT

By
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SECTION – K18MS

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Student Declaration

This is to declare that this report has been written by us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. We aver that if any part of the report is found to be copied, I/we are shall take full responsibility for it.

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Date - 06/04/2020

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BONAFIDE CERTIFICATE

This is to certified that this "Veerendra singh ,Sagar indolia, Madhur verma" student of B.Tech(CSE) of Lovely Professional University has worked under my supervision and guidance for this project work and prepared a project Report with the title "**RECOMMENDER SYSTEM**".

The project Report which these are submitting is his genuine and original work to Best of my knowledge.

Jasleen Kaur

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Objective of project

The main motive of our project " **RECOMMENDER SYSTEM** " is to provide better information for their study. The **objective of recommender systems** is to provide recommendations based on recorded information on the users' preferences. These **systems** use information filtering techniques to process information and provide the user with potentially more relevant items. This recommender system recommends to the students for their study. It takes the data from user and after calculation it provide the better recommendation about their study.

 The purpose of this project is to build a program to reduce the manual work for managing the accounts details, customer transaction etc.

SCOPE

Our project can be use by every collages , universities. By this project students will able to understand that what should they have to study for their final exams. They can also incress their marks by using this programme.

Description of Project

This recommender system recommends to the students for their study. What should they have to study for prepration dor exam.In this program students will enter their numbers in the basis of numbers it will provides that in which subject . They have to more fouce.

Program

```
print("                 -: THE STUDENT RECOMMENDER SYSTEM :-")

print("This recommender system recommends to the students for their study."

"What should they have to study for prepration dor exam.In this program students"

"will enter their numbers in the basis of numbers it will provides that in which subject"

"they have to more fouce.")

print("Enter how many subect you have")

x=int(input())
```

```python
list1 = []

print("Enter your subjects")

for i in range (x):

    s=input()

    list1.append(s)

print(list1)

list2=[]

list3=[]

list4=[]

list5=[]

list6=[]

list7=[]

count =0

for i in range (x):

    print("Enter the marks of ",list1[count])


    print("CA1 MARKS")

    t=int(input())

    list2.append(t)
```

```python
print("CA2 MARKS")

t=int(input())

list3.append(t)


print("CA3 MARKS")

t=int(input())

list4.append(t)


print("MET MARKS")

u=int(input())

list5.append(u//2+1)


list6.append(list2[count])

list6.append(list3[count])

list6.append(list4[count])

total_marks_casum=(sum(list6))

total_marks_camin= min(list6)

total_marks_cataken=total_marks_casum-total_marks_camin

marks_ca = 25*(total_marks_cataken/60)

list7.append(marks_ca)
```

```python
        list6.clear()

        count=count+1
count1=0
for i in range (x):
    if list7[count1]<=10 and list5[count1]<=10 :

        print("You are bellow avg so you have to work hard on this
",list1[count1],"subject")

    if list7[count1]<10 and list5[count1]>10 and list5[count1]<=15:

        print("You shoud work hard for this ",list1[count1],"subject. you
can do better.")

    if list7[count1]<10 and list5[count1]>15:

        print("you can work hard for this ", list1[count1],"subject . you can
improve your marks.")

    if list7[count1]>10 and list5[count1]<=10:

        print("you are not too good in this ",list1[count1],"subject. you
should do more focus.")

    if list7[count1]>10 and list5[count1]>10 and list5[count1]<=15:

        print("this is good for you.Do more effort to incress your marks in
this ",list1[count1],"subject")

    if list7[count1]>10 and list5[count1]>15:

        print("your command on this ", list1[count1], "subject."
```
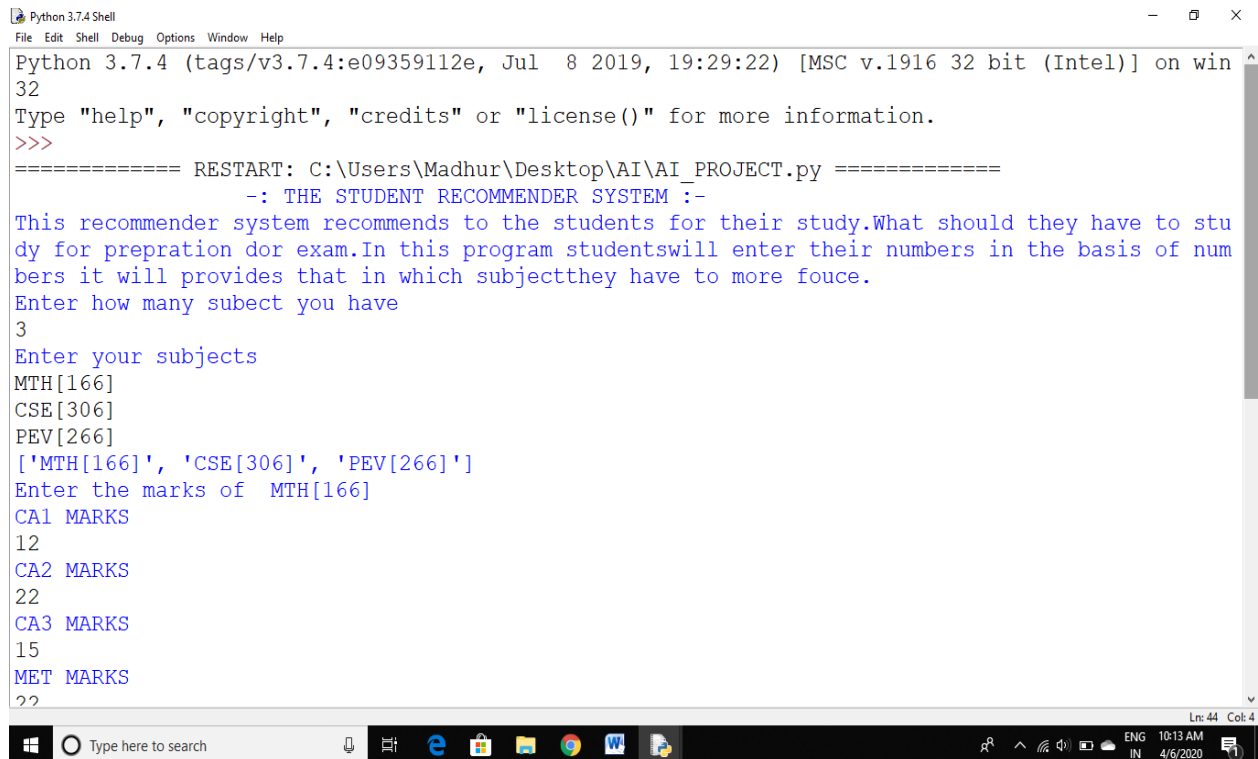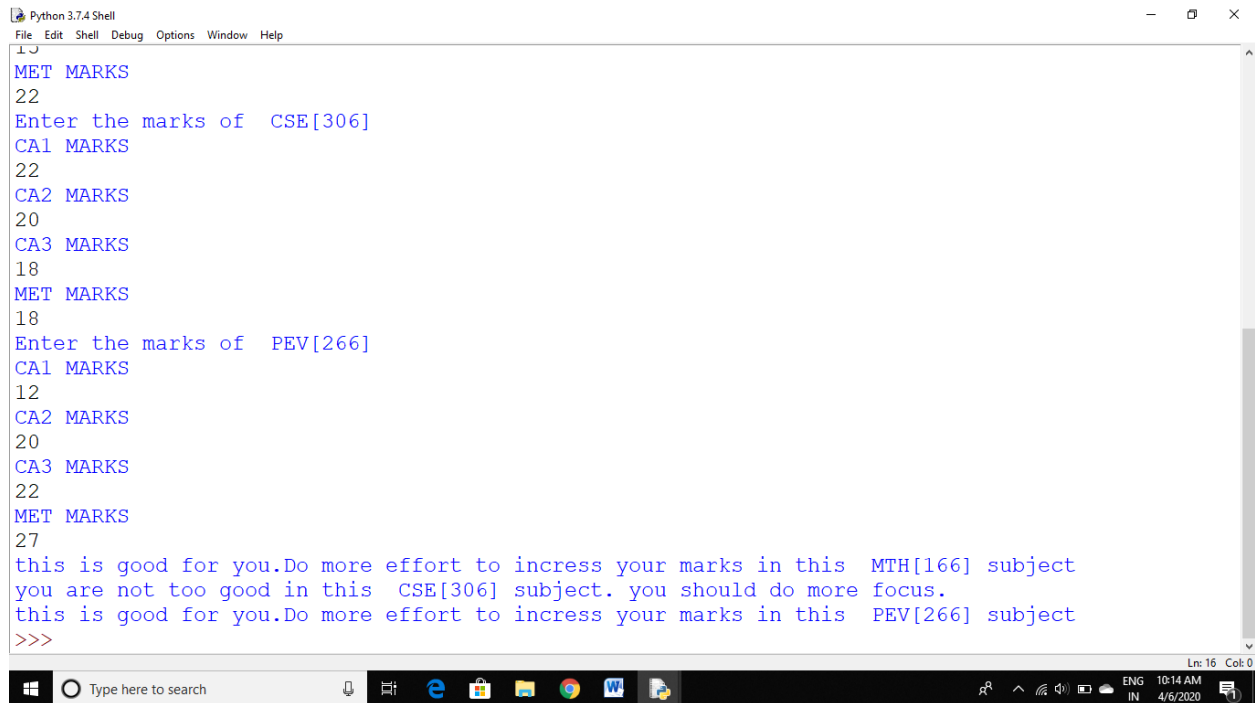
" if you will do little more effort you can get very good marks.")

count1=count1+1

OUTPUT

```
Python 3.7.4 Shell                                                                    —   □   ×
File  Edit  Shell  Debug  Options  Window  Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul  8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win
32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
============= RESTART: C:\Users\Madhur\Desktop\AI\AI_PROJECT.py =============
                -: THE STUDENT RECOMMENDER SYSTEM :-
This recommender system recommends to the students for their study.What should they have to stu
dy for prepration dor exam.In this program studentswill enter their numbers in the basis of num
bers it will provides that in which subjectthey have to more fouce.
Enter how many subect you have
3
Enter your subjects
MTH[166]
CSE[306]
PEV[266]
['MTH[166]', 'CSE[306]', 'PEV[266]']
Enter the marks of  MTH[166]
CA1 MARKS
12
CA2 MARKS
22
CA3 MARKS
15
MET MARKS
22
                                                                                      Ln: 44  Col: 4
```

```
Python 3.7.4 Shell                                                        —  □  ×
File  Edit  Shell  Debug  Options  Window  Help
MET MARKS
22
Enter the marks of  CSE[306]
CA1 MARKS
22
CA2 MARKS
20
CA3 MARKS
18
MET MARKS
18
Enter the marks of  PEV[266]
CA1 MARKS
12
CA2 MARKS
20
CA3 MARKS
22
MET MARKS
27
this is good for you.Do more effort to incress your marks in this  MTH[166] subject
you are not too good in this  CSE[306] subject. you should do more focus.
this is good for you.Do more effort to incress your marks in this  PEV[266] subject
>>>
                                                                       Ln: 16  Col: 0
```

ADVANTAGES

By using this software stutdents will be able to know which subject is good for them and in which subject they have to study and do more effort for getiing good marks.

GITHUB LINK :-

https://github.com/Madhur8979/AI-PROJECT.git