

# feedBackAnalysisAlumni

June 13, 2023

```
[1]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

```
[2]: plt.style.use( 'fivethirtyeight')
```


```
[3]: students = pd.read_csv("alumnifedback.csv")
```

```
[4]: students.columns
```

```
[4]: Index(['Timestamp', 'Email address', 'Your Name', 'Mobile Number',
'Which programme did you pursue at Sree Sankara College, Kalady?\n',
'Which was your main subject (department)?',
'Which year did you complete your programme at Sree Sankara College,
Kalady?',
'Are you updated on the developments and other news of the college?',
'Are you in contact with your batchmates?',
'How do you rate the ambience of the college?',
'How do you value the level of infrastructure in the college?',
'How do you rate the Placement activities of the college?',
'How do you rate the changes in the College?',
'What do you think is the greatest Strength of the campus?',
'What do you think is the major weakness of the campus?',
'What do you think is the greatest opportunity of the campus?',
'What do you think is the greatest challenge of the campus?',
'Whar are your suggestions for the improvement of the college?',
'What is your highest educational qualification?',
'What is your current professional status?',
'If working kindly furnish the details',
'How can you contribute (any mode of support) to the upliftment of the
college? ',
'Comments and Suggestions'],
dtype='object')
```

```
[5]: students.isnull().sum()
```

[5]: Timestamp  
0  
Email address  
0  
Your Name  
0  
Mobile Number  
3  
Which programme did you pursue at Sree Sankara College, Kalady?\n0  
Which was your main subject (department)?  
0  
Which year did you complete your programme at Sree Sankara College, Kalady?  
0  
Are you updated on the developments and other news of the college?  
0  
Are you in contact with your batchmates?  
0  
How do you rate the ambience of the college?  
0  
How do you value the level of infrastructure in the college?  
0  
How do you rate the Placement activities of the college?  
0  
How do you rate the changes in the College?  
0  
What do you think is the greatest Strength of the campus?  
0  
What do you think is the major weakness of the campus?  
0  
What do you think is the greatest opportunity of the campus?  
1  
What do you think is the greatest challenge of the campus?  
3  
Whar are your suggestions for the improvement of the college?  
58  
What is your highest educational qualification?  
0  
What is your current professional status?  
0  
If working kindly furnish the details  
3  
How can you contribute (any mode of support) to the upliftment of the college?  
3  
Comments and Suggestions  
4  
dtype: int64

  
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```
[7]: students.groupby(['Which was your main subject (department)?'],axis = 0).  
      ↪count().iloc[:,0:1]
```

```
[7]:
```

Which was your main subject (department)?	Timestamp
BVoc	6
Biochemistry	5
Biotechnology	5
Commerce	15
Economics	5
Environment Science and Management	18
Hindi	5
Mathematics	17
Microbiology (PG)	3
Microbiology (UG)	2
Physics	36
Statistics	6

```
[9]: students.iloc[0,5:]
```

```
[9]: Which was your main subject (department)?  
Biochemistry  
Which year did you complete your programme at Sree Sankara College, Kalady?  
2021  
Are you updated on the developments and other news of the college?  
Yes  
Are you in contact with your batchmates?  
Very much  
How do you rate the ambience of the college?  
Excellent  
How do you value the level of infrastructure in the college?  
Excellent  
How do you rate the Placement activities of the college?  
Average  
How do you rate the changes in the College?  
Excellent  
What do you think is the greatest Strength of the campus?  
College Ambience  
What do you think is the major weakness of the campus?  
No placement  
What do you think is the greatest opportunity of the campus?  
Good campus and good education provided.  
What do you think is the greatest challenge of the campus?  
Environment  
Whar are your suggestions for the improvement of the college?  
NaN  
What is your highest educational qualification?
```

MSc

What is your current professional status?

Working

If working kindly furnish the details

Trainee

How can you contribute (any mode of support) to the upliftment of the college?

Providing ideas in good curriculum in campus

Comments and Suggestions

Provide placement to all the courses.


Name: 0, dtype: object

```
[10]: dic = {1:"Excellent",2:"Very Good",3:"Good",4:"Satisfactory",5:"Poor"}
```

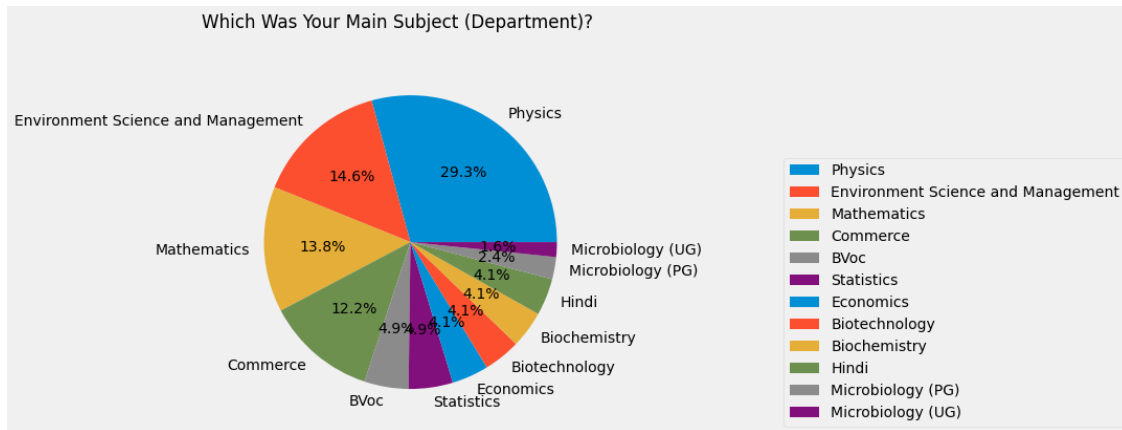
```
[11]: a1=students.iloc[:,5].value_counts()
a1
```

```
[11]: Physics 36
Environment Science and Management 18
Mathematics 17
Commerce 15
BVoc 6
Statistics 6
Economics 5
Biotechnology 5
Biochemistry 5
Hindi 5
Microbiology (PG) 3
Microbiology (UG) 2
Name: Which was your main subject (department)?, dtype: int64
```

```
[12]: plt.figure(figsize=(12,6))
plt.suptitle(a1.name.title())
a1.plot(kind="pie",autopct='%3.1f%',ylabel="")
plt.legend(bbox_to_anchor=(1.5, 0.75))
plt.show()
```

  
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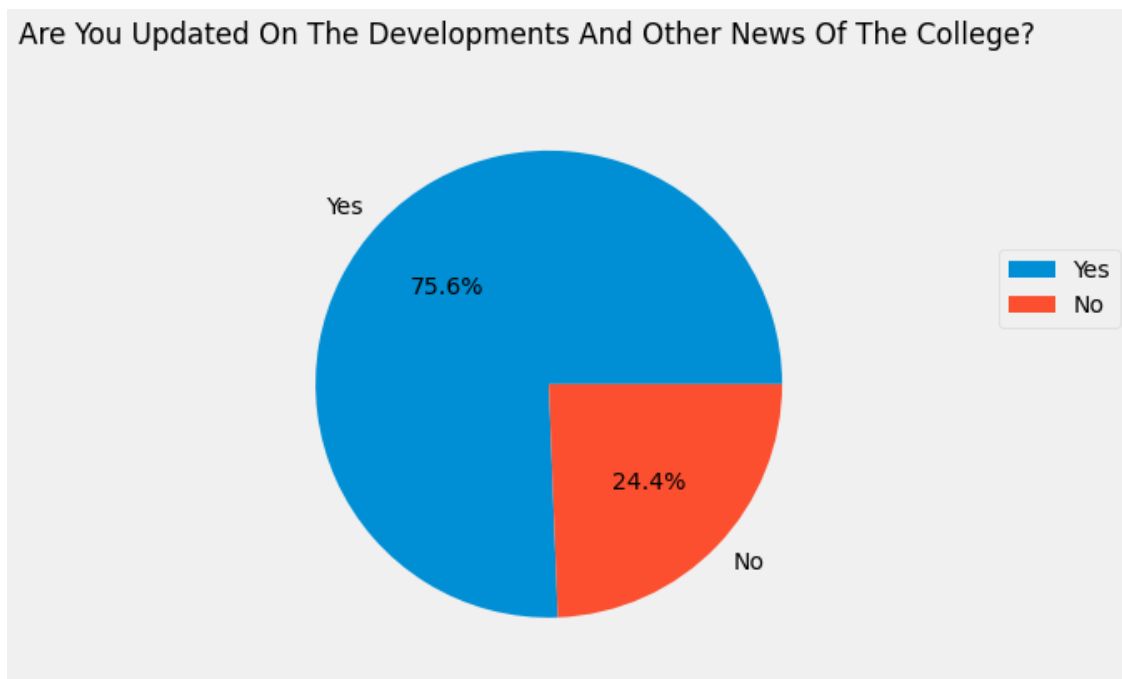




```
[14]: a2=students.iloc[:,7].value_counts()
a2
```

```
[14]: Yes    93
      No     30
      Name: Are you updated on the developments and other news of the college?, dtype: int64
```

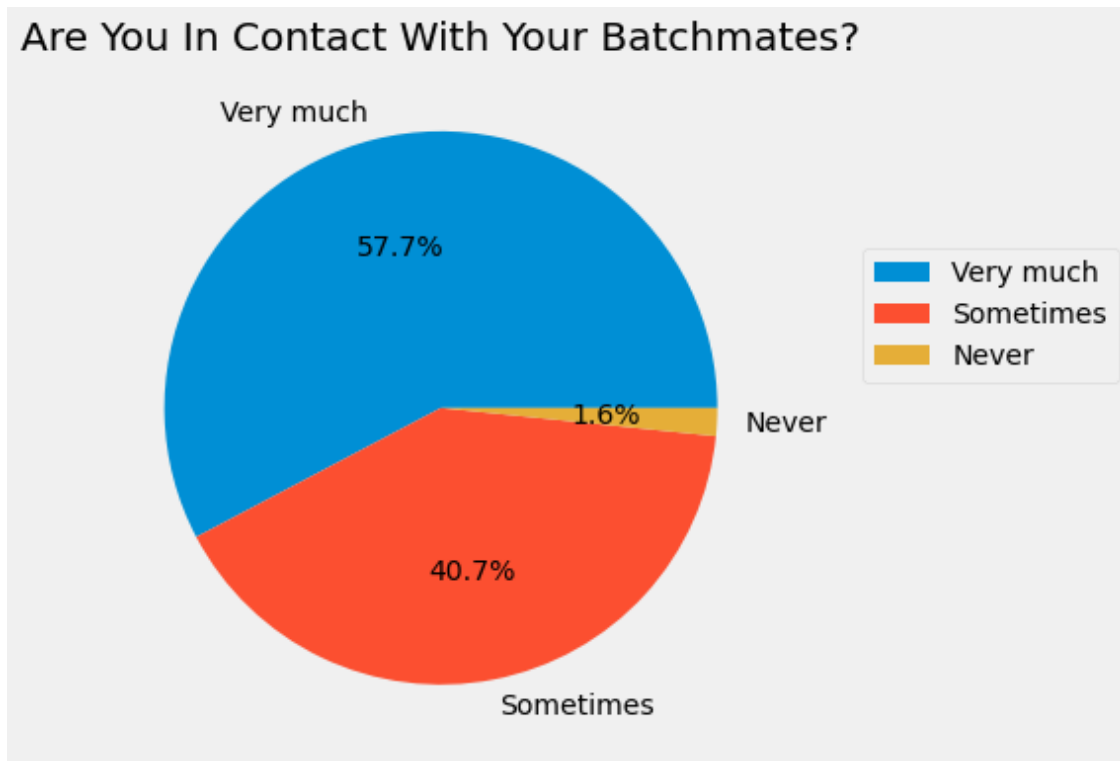
```
[15]: plt.figure(figsize=(12,6))
      plt.suptitle(a2.name.title())
      a2.plot(kind="pie",autopct='%3.1f%',ylabel="")
      plt.legend(bbox_to_anchor=(1.5, 0.75))
      plt.show()
```



```
[16]: a3=students.iloc[:,8].value_counts()
a3
```

```
[16]: Very much      71
      Sometimes    50
      Never         2
      Name: Are you in contact with your batchmates?, dtype: int64
```

```
[17]: plt.figure(figsize=(12,6))
a3.plot(kind="pie",title= a3.name.title(),autopct='%3.1f%',ylabel="")
plt.legend(bbox_to_anchor=(1.5, 0.75))
plt.show()
```

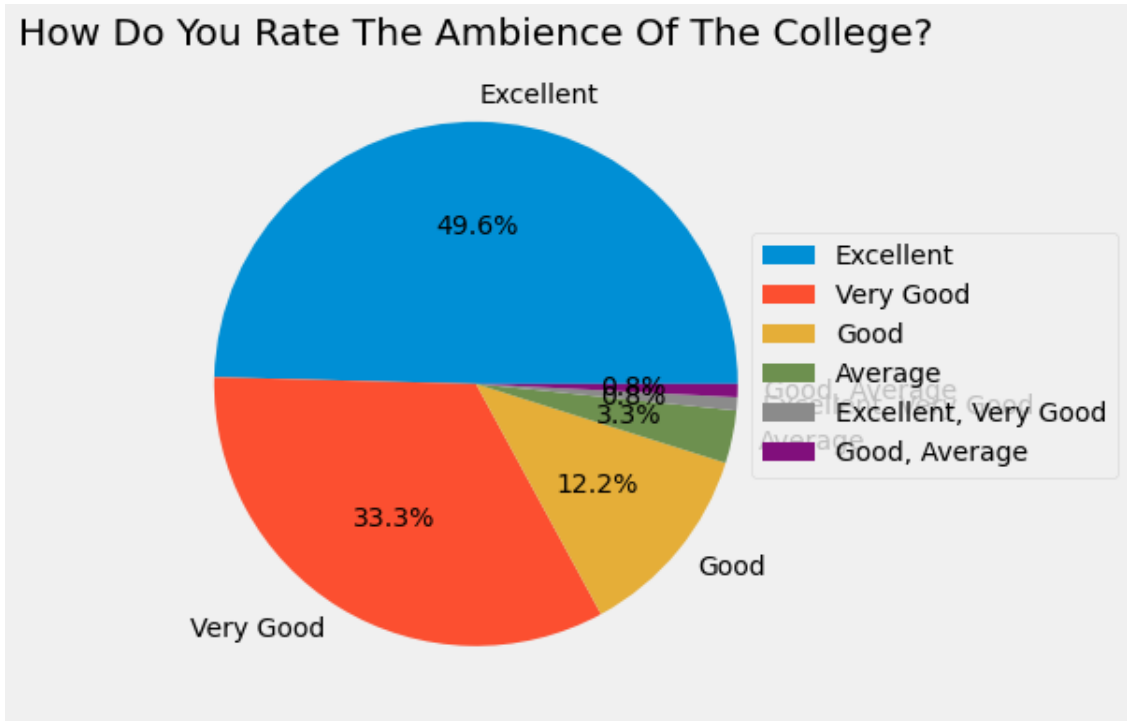


```
[18]: a4=students.iloc[:,9].value_counts()
a4
```

```
[18]: Excellent      61
      Very Good    41
      Good         15
      Average       4
      Excellent, Very Good 1
```

```
Good, Average          1
Name: How do you rate the ambience of the college?, dtype: int64
```

```
[19]: plt.figure( figsize=(12,6))
a4.plot(kind= "pie",title= a4.name.title(),autopct='%3.1f%',ylabel="")
plt.legend( bbox_to_anchor=(1.5, 0.75))
plt.show()
```



```
[ ]:
```

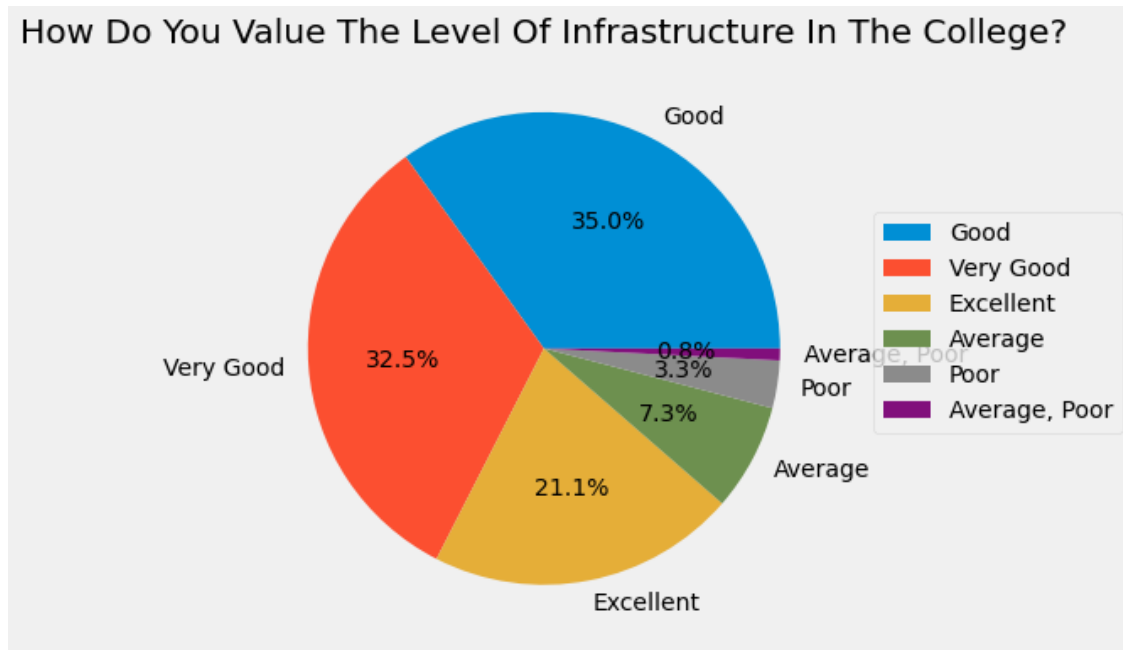
```
[20]: a5=students.iloc[:,10].value_counts()

a5
```

```
[20]: Good          43
Very Good         40
Excellent         26
Average           9
Poor              4
Average, Poor     1
Name: How do you value the level of infrastructure in the college?, dtype: int64
```

```
[21]: plt.figure( figsize=(12,6))
```

```
a5.plot(kind= "pie",title= a5.name.title(),autopct='%3.1f%',ylabel="")
plt.legend( bbox_to_anchor=(1.5, 0.75))
plt.show()
```



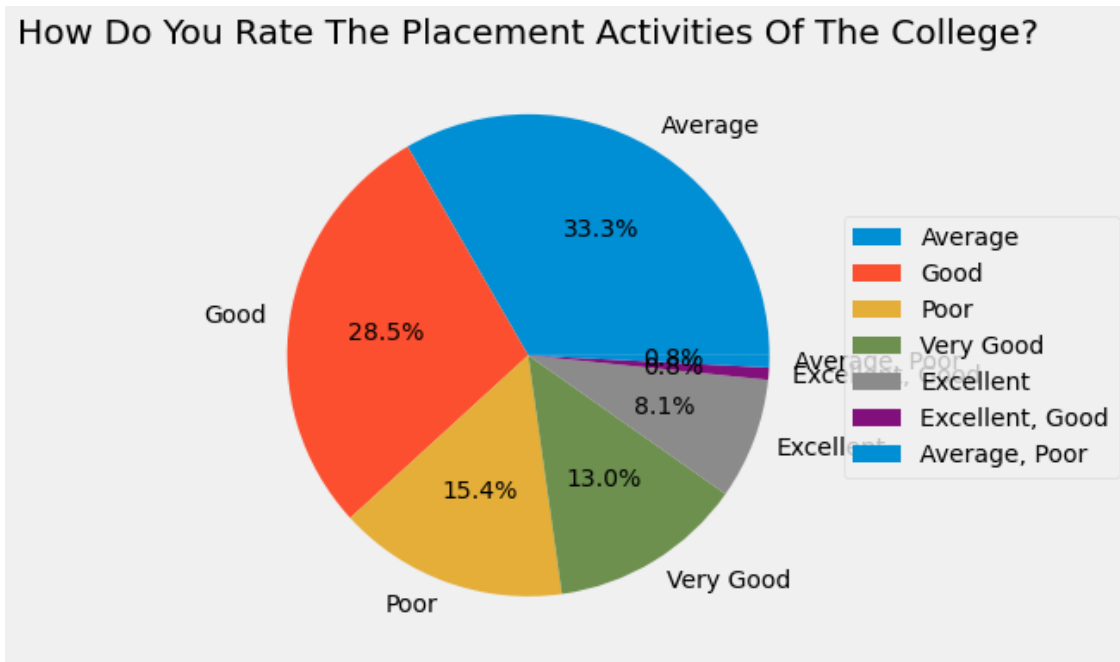
```
[22]: a6=students.iloc[:,11].value_counts()
#a6.index=["Excellent", "Very Good", "Good", "Satisfactory", "Poor"]
a6
```

```
[22]: Average          41
Good                35
Poor                19
Very Good          16
Excellent           10
Excellent, Good     1
Average, Poor       1
Name: How do you rate the Placement activities of the college?, dtype: int64
```

```
[23]: plt.figure( figsize=(12,6))

a6.plot(kind= "pie",title= a6.name.title(),autopct='%3.1f%',ylabel="")
plt.legend( bbox_to_anchor=(1.5, 0.75))
plt.show()
```





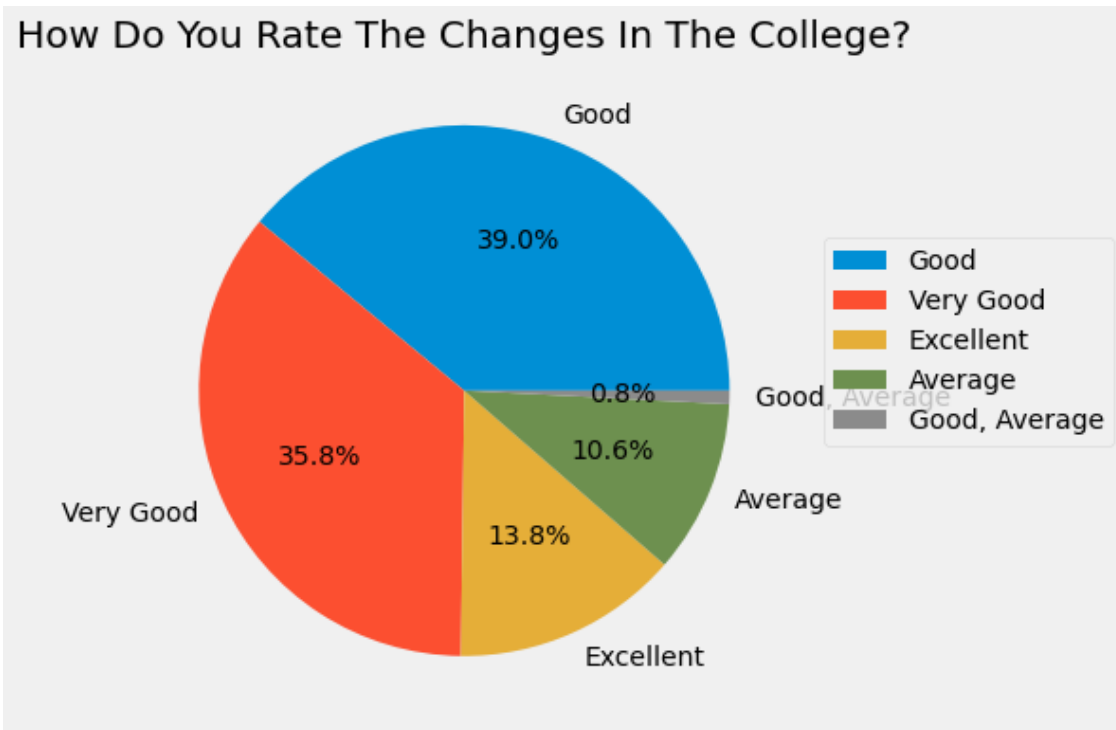
```
[24]: a7=students.iloc[:,12].value_counts()
a7
```

```
[24]: Good          48
Very Good       44
Excellent       17
Average         13
Good, Average   1
Name: How do you rate the changes in the College?, dtype: int64
```

```
[ ]:
```

```
[25]: plt.figure( figsize=(12,6))

a7.plot(kind= "pie",title= a7.name.title(),autopct='%3.1f%',ylabel="")
plt.legend( bbox_to_anchor=(1.5, 0.75))
plt.show()
```



```
[26]: a8=students.iloc[:,13].value_counts()
a8
```

```
[26]: Teachers          13
Students             8
Students             5
Faculty              3
Atmosphere           2
.
Teachers and the ambience of the college  1
Teaching              1
Teachers and Students  1
Ambience              1
Place                 1
Name: What do you think is the greatest Strength of the campus?, Length: 95,
dtype: int64
```

```
[40]: a9=students.iloc[:,14].value_counts()
a9
```

```
[40]: Nothing
10
Nil
6
```

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Politics  
5  
Nothing  
4  
Infrastructure  
3

..

Exam preparation  
1

During our academic year, we found difficulty meeting our necessary requirements such as water, electricity etc. These were limiting factors. Since our building was a bit far from the rest of the buildings of college, we were not much aware of the programs happened in our college. 1

The B.Voc department of the college doesn't have required number of professor to teach students appropriately.

1  
Infrastructure  
1

Library facilities.  
1

Name: What do you think is the major weakness of the campus?, Length: 94, dtype: int64

```
[41]: a10=students.iloc[:,15].value_counts()
a10
```

```
[41]: Option 1          12
Freedom                3
Good teachers          3
Campus placement      2
Education              2
..
Teaching               1
Experienced teachers   1
Good ambience and peaceful atmosphere 1
Placement              1
Department activities  1
```

Name: What do you think is the greatest opportunity of the campus?, Length: 103, dtype: int64

```
[42]: a11=students.iloc[:,16].value_counts()
a11
```

```
[42]: Nothing          7
Nil                    5
Nothing                3
No comments            2
```

```

Infrastructure                2
..
Party strikes                 1
Facilities                   1
Academics                    1
To coordinate the activities  1
Meeting students necessities, like getting into a job.  1
Name: What do you think is the greatest challenge of the campus?, Length: 101,
dtype: int64

```

```
[43]: a12=students.iloc[:,17].value_counts()
a12
```

```
[43]: Nothing
3
Nil
2
Laboratories should be enhanced with new technologies and equipments
1
To bring developments without damaging the natural environment of the college
1
Placement drive
1
..
Encourage our students with what they capable of.
1
Keep going
1
Hostel facilities should be improved.\nMore post graduation courses should be
established especially mathematics. 1
Importance in clean campus
1
Stricter discipline
1
Name: Whar are your suggestions for the improvement of the college?, Length: 62,
dtype: int64

```

```
[44]: a13=students.iloc[:,18].value_counts()
a13
```

```
[44]: MSc                8
Degree                8
Msc                   6
Degree                4
Bsc                   4
..
CMA Semi qualified   1

```

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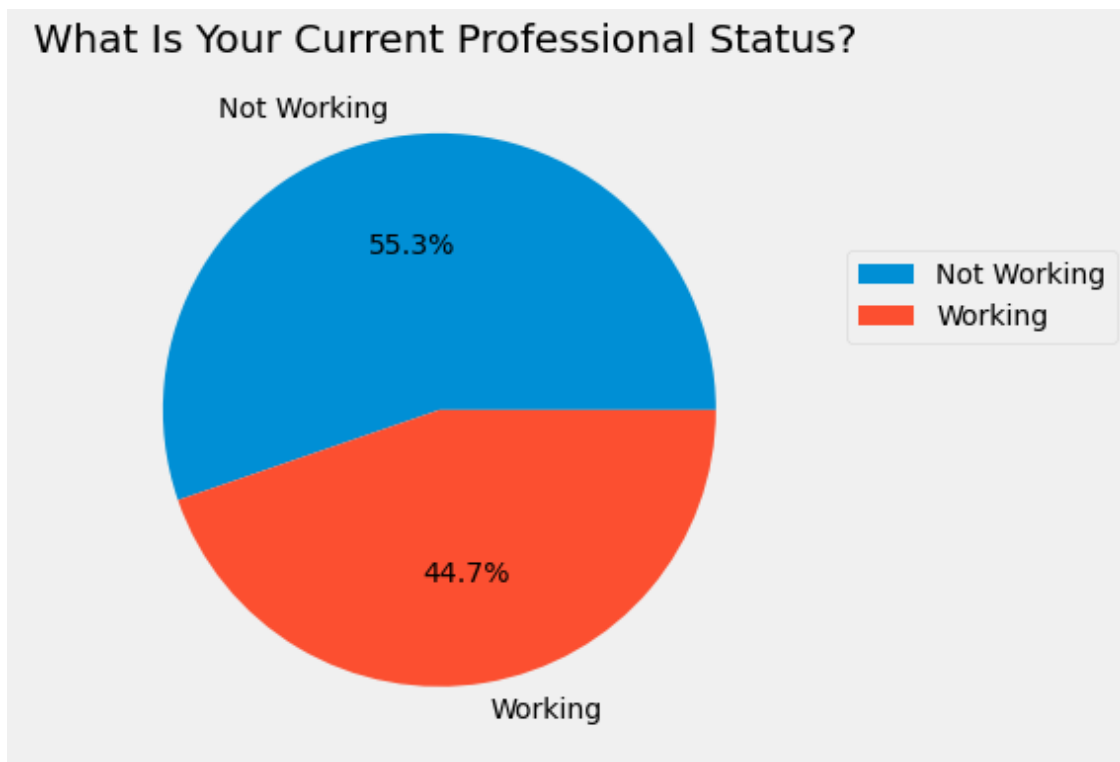
```
MSc          1
Under graduate  1
Doing PG      1
Msc microbiology  1
Name: What is your highest educational qualification?, Length: 84, dtype: int64
```

```
[51]: a14=students.iloc[:,19].value_counts()
a14
```

```
[51]: Not Working    68
Working           55
Name: What is your current professional status?, dtype: int64
```

```
[52]: plt.figure( figsize=(12,6))

a14.plot(kind= "pie",title= a14.name.title(),autopct='%3.1f%',ylabel="")
plt.legend( bbox_to_anchor=(1.5, 0.75))
plt.show()
```



```
[ ]:
```

```
[46]: a15=students.iloc[:,20].value_counts()
a15
```

```

[46]: Not working
      18
      Not working
      13
      Nil
      7
      No
      7
      Nill
      2
      ..
      Working as projecy staff at KFRI
      1
      EY GDS, Bangalore
      1
      Trainee
      1
      Working as a Sales Engineer at Holarc Opto-Mechatronics Limited, Kalamassery.
      1
      Assistant professor, indira gandhi collage, Nellikuzhy
      1
      Name: If working kindly furnish the details, Length: 74, dtype: int64

```

```


[47]: a16=students.iloc[:,21].value_counts()
      a16

```

```

[47]: Nil
      11
      .
      4
      Nothing
      3
      Nill
      2
      No idea
      2
      ..
      Any mode of support which I am capable of.
      1
      In any way
      1
      Can share the experiences of college as well as life to encourage the students
      1
      By suggesting college to the students those who seeking for graduation
      1
      Campus placements
      1

```

  
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Name: How can you contribute (any mode of support) to the upliftment of the college? , Length: 103, dtype: int64

```
[48]: a17=students.iloc[:,22].value_counts()  
a17
```

```
[48]: Nil 18  
. 6  
Nothing 6  
Nothing 6  
No comments 4  
..  
Nil 1  
Ambience of the college is very good,library could be better 1  
Same as all above 1  
No suggestions 1  
The infrastructures to focus deep into research is required to improve. 1  
Name: Comments and Suggestions, Length: 76, dtype: int64
```

```
[ ]:
```

```
[53]: a = students.columns
```

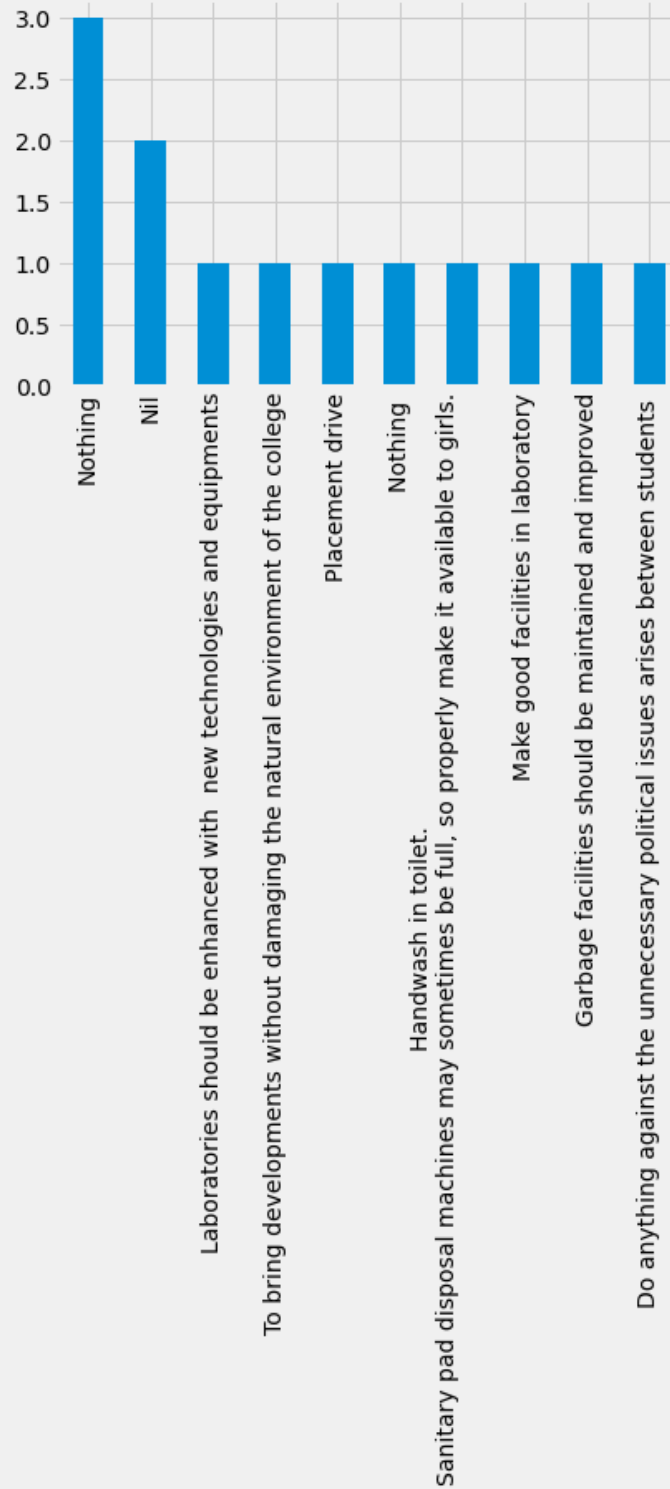
```
[56]: a[17]
```

```
[56]: 'Whar are your suggestions for the improvement of the college?'
```

```
[57]: b=students.iloc[:,17].value_counts()
```

```
[58]: b[:10].plot(kind="bar",title= a[17].title());
```

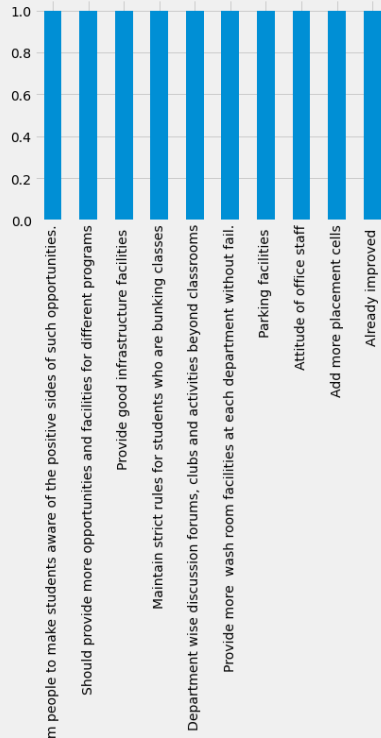
### Whar Are Your Suggestions For The Improvement Of The College?



```
[59]: b[10:20].plot(kind="bar",title= a[17].title());
```



Whar Are Your Suggestions For The Improvement Of The College?



I suggest to give more idea about science careers and abroad opportunities even from the first year of bachelor degree courses. There should be more seminars/ talks from people to make students aware of the positive sides of such opportunities.

Should provide more opportunities and facilities for different programs

Provide good infrastructure facilities

Maintain strict rules for students who are bunking classes

Department wise discussion forums, clubs and activities beyond classrooms

Provide more wash room facilities at each department without fail.

Parking facilities

Attitude of office staff


Add more placement cells

Already improved

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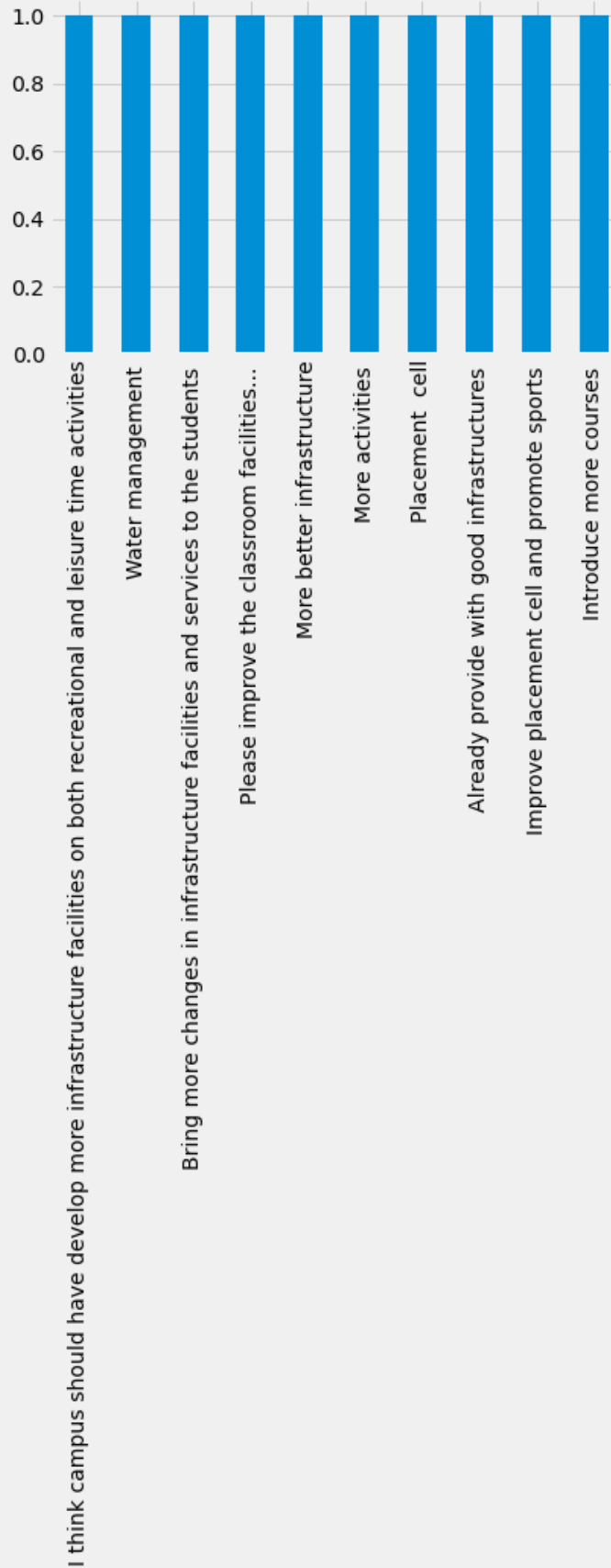


```
[60]: b[20:30].plot(kind="bar",title= a[17].title());
```

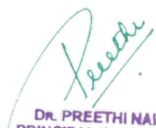
  
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## Whar Are Your Suggestions For The Improvement Of The College?

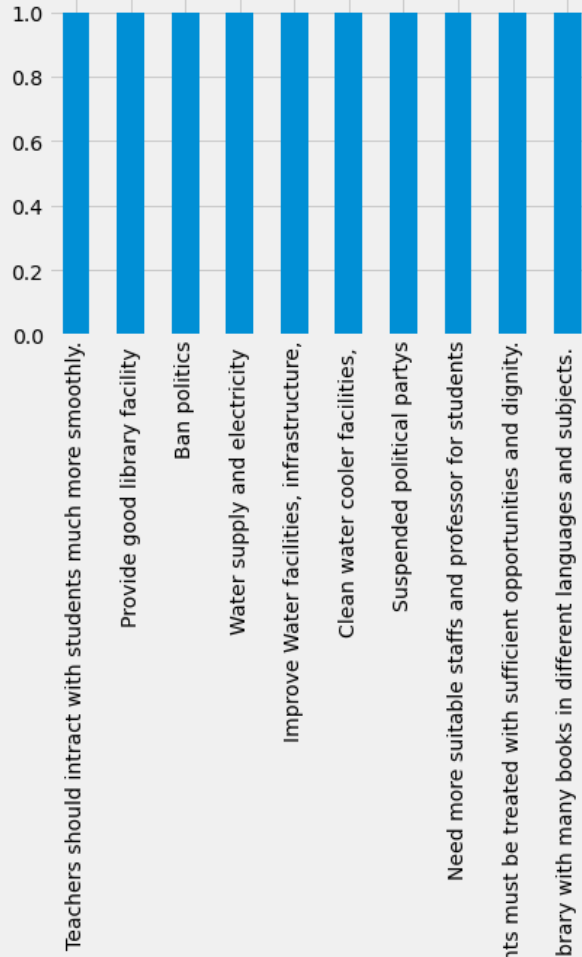


```
[61]: b[30:40].plot(kind="bar",title= a[17].title());
```

  
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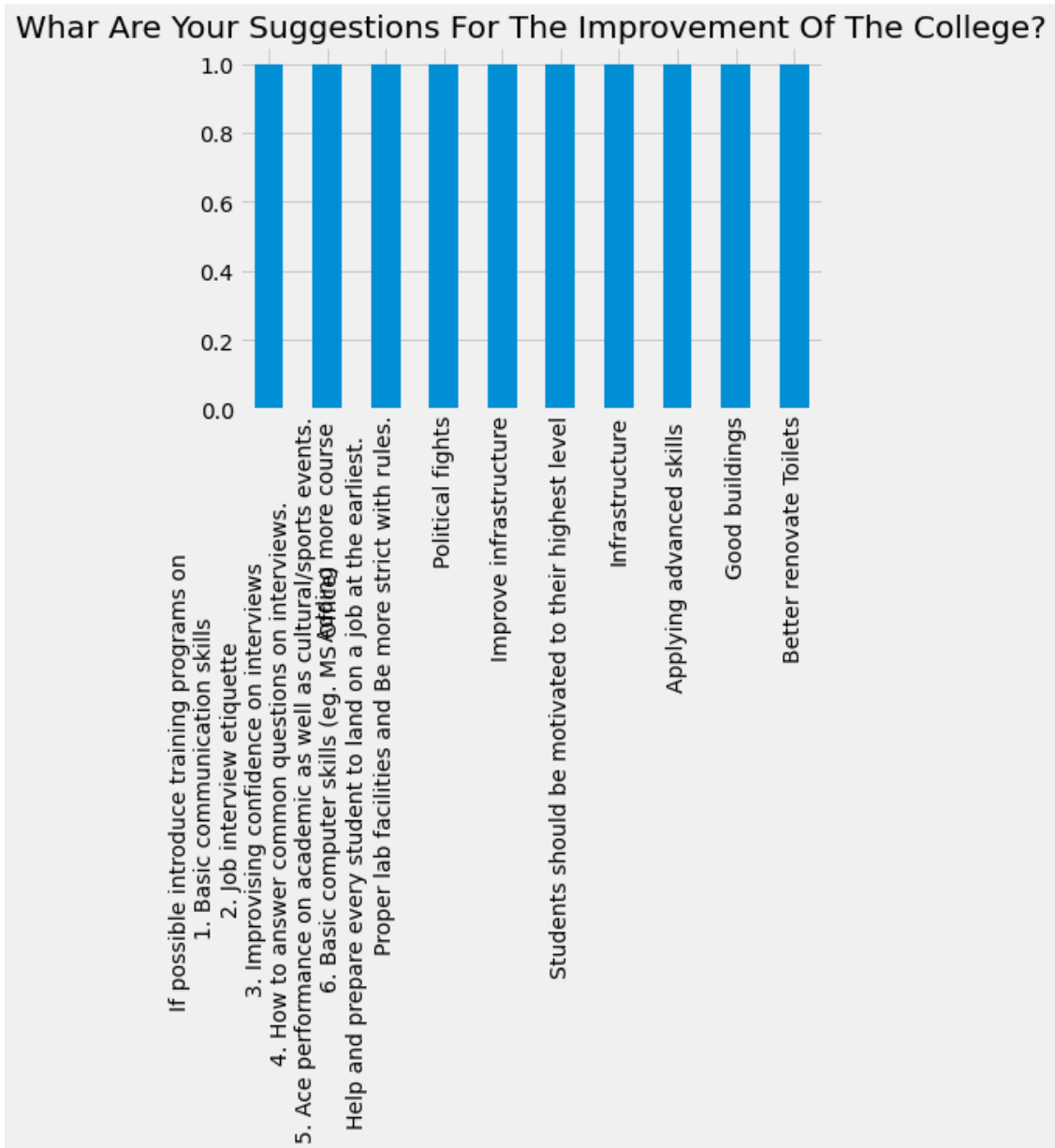


## Whar Are Your Suggestions For The Improvement Of The College?




Don't gave any changes in natural beauty of Sankara. we have to arrange a excellent library with many books in different languages and subjects.

```
[62]: b[40:50].plot(kind="bar",title= a[17].title());
```

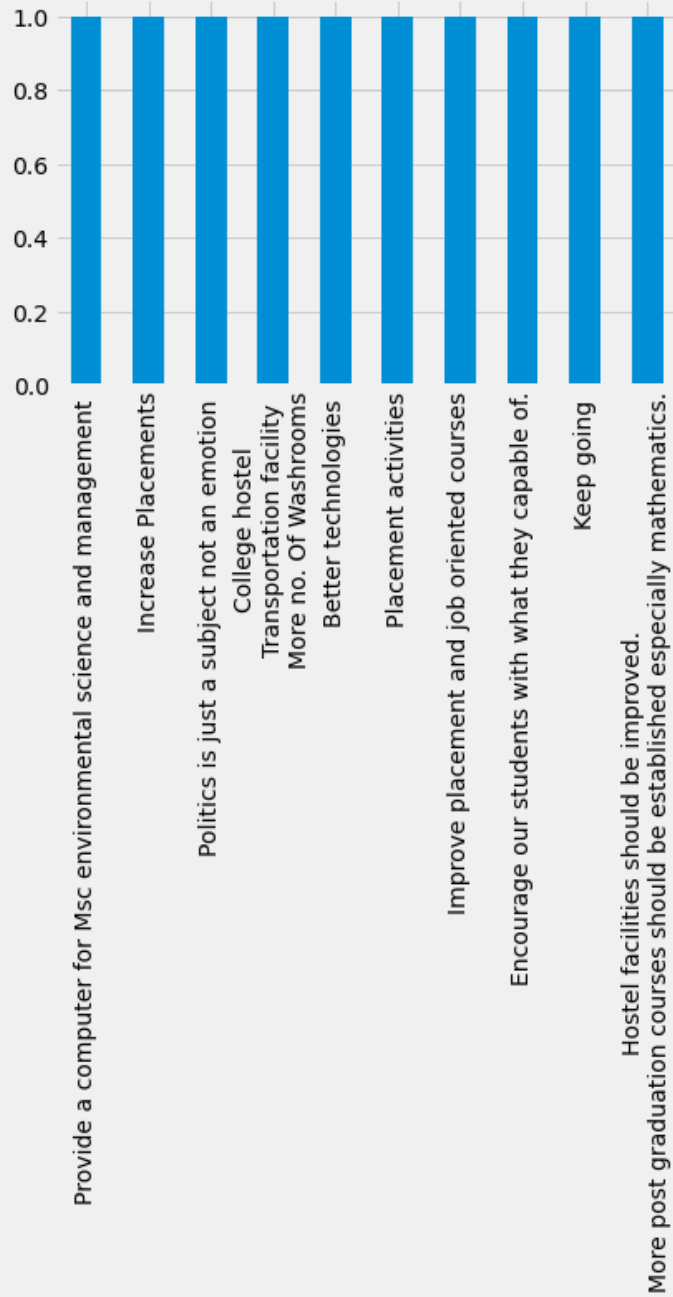


```
[63]: b[50:60].plot(kind="bar",title= a[17].title());
```

  
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### Whar Are Your Suggestions For The Improvement Of The College?

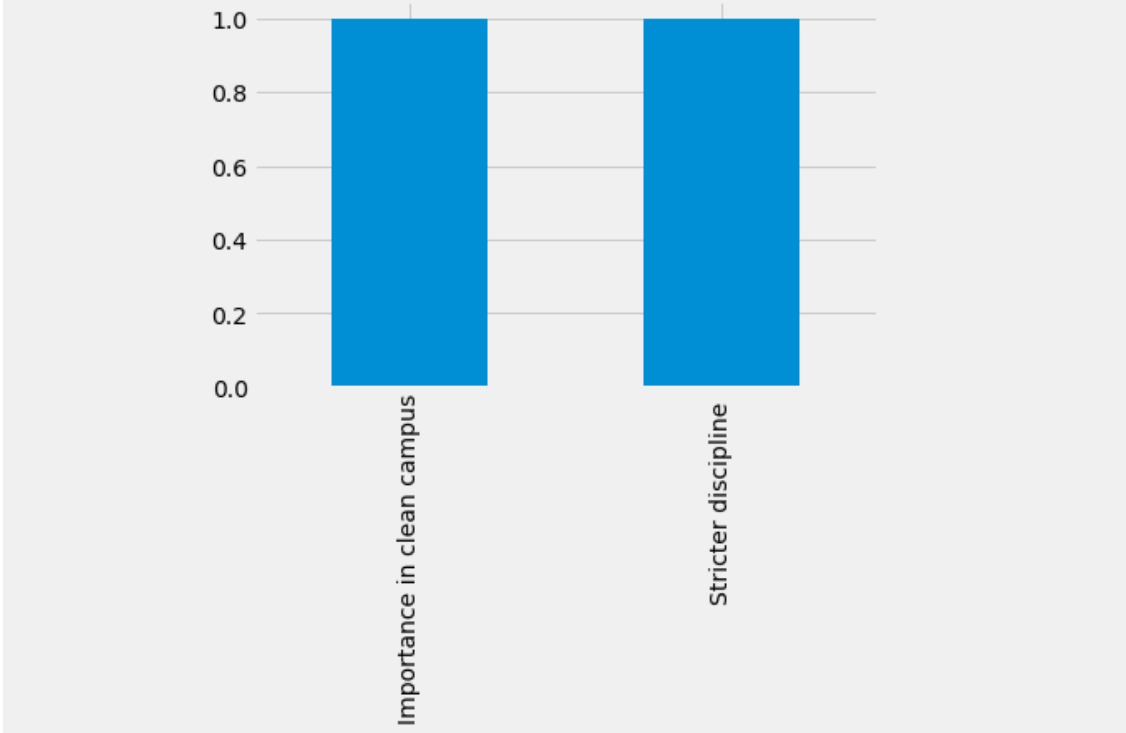


```
[64]: b[60:70].plot(kind="bar",title= a[17].title());
```

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### Whar Are Your Suggestions For The Improvement Of The College?



[ ]:

[ ]:

  
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