Feedback Analysis
Students

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

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

```python
[10]: students = pd.read_csv("Studentsfeedback.csv")
```

```python
[11]: students.columns
```

```
[11]: Index(['Timestamp', 'Email address', 'Name of the student', 'Program',
          'Semester', 'Department',
          'How do you rate the academic ambience of the college?',
          'Note down your grievances and suggestions regarding the academic
       ambience of the college.',
          'How do you rate the library and learning resources facilities of the
       college?',
          'Note down your grievances and suggestions regarding  library and
       learning resource facilities of the college.',
          'How do you rate the teachers of the college generally in imparting
       knowledge to the students?',
          'How do you rate the support of the teachers in your curricular and extra
       curricular activities?',
          'Note down your grievances and suggestions regarding the support to
       curricular and extra curricular activities of students.',
          'Do you use the sports, games and fitness facilities provided in the
       campus?',
          'How do you rate the sports and games facilities in the campus?',
          'Note down your grievances and suggestions regarding  sports and games
       facilities in the campus.',
          'How do you rate the hostel facilities provided  in  the  campus?',
          'How do you rate the canteen facilities provided in the campus?',
          'Note down your grievances and suggestions for improvement in canteen
       facilities.',
          'How do you rate the campus discipline?',
          'Note down your grievances and suggestions for improving the campus
       discipline.',
```

'What do you think is the greatest strength of the Campus of Sree Sankara College?',
       'What do you think is the major weakness of the Campus of Sree Sankara College?',
       'What do you think is the greatest opportunity of the Campus of Sree Sankara College?',
       'What do you think is the greatest challenge of the Campus of Sree Sankara College?',
       'Any other suggestions'],
      dtype='object')

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

[12]: Timestamp
0
Email address
0
Name of the student
0
Program
0
Semester
0
Department
0
How do you rate the academic ambience of the college?
0
Note down your grievances and suggestions regarding the academic ambience of the college.   1
How do you rate the library and learning resources facilities of the college?
0
Note down your grievances and suggestions regarding library and learning resource facilities of the college.   1
How do you rate the teachers of the college generally in imparting knowledge to the students?   0
How do you rate the support of the teachers in your curricular and extra curricular activities?   0
Note down your grievances and suggestions regarding the support to curricular and extra curricular activities of students.   1
Do you use the sports, games and fitness facilities provided in the campus?
0
How do you rate the sports and games facilities in the campus?
0
Note down your grievances and suggestions regarding sports and games facilities in the campus.   1
How do you rate the hostel facilities provided in the campus?
0

How do you rate the canteen facilities provided in the campus?
0
Note down your grievances and suggestions for improvement in canteen facilities.
1
How do you rate the campus discipline?
0
Note down your grievances and suggestions for improving the campus discipline.
1
What do you think is the greatest strength of the Campus of Sree Sankara
College?   1
What do you think is the major weakness of the Campus of Sree Sankara College?
1
What do you think is the greatest opportunity of the Campus of Sree Sankara
College?   1
What do you think is the greatest challenge of the Campus of Sree Sankara
College?   1
Any other suggestions
1
dtype: int64

[13]: `students.groupby(["Program"],axis = 0).count().iloc[:,0:1]`

[13]:
```
              Timestamp
Program
BA                   74
BCom                 65
BSc                 125
BVoc                 26
MA                    7
MSc                  31
```

[14]: `students.iloc[0,6:]`

[14]: How do you rate the academic ambience of the college?
4
Note down your grievances and suggestions regarding the academic ambience of the
college.
Good
How do you rate the library and learning resources facilities of the college?
4
Note down your grievances and suggestions regarding library and learning
resource facilities of the college.   Much more
resources can be included
How do you rate the teachers of the college generally in imparting knowledge to
the students?
4
How do you rate the support of the teachers in your curricular and extra

curricular activities?
3
Note down your grievances and suggestions regarding the support to curricular and extra curricular activities of students.   Need more support from teachers
Do you use the sports, games and fitness facilities provided in the campus?
No
How do you rate the sports and games facilities in the campus?
4
Note down your grievances and suggestions regarding sports and games facilities in the campus.
Good
How do you rate the hostel facilities provided in the campus?
3
How do you rate the canteen facilities provided in the campus?
3
Note down your grievances and suggestions for improvement in canteen facilities.
More food sources can be included
How do you rate the campus discipline?
4
Note down your grievances and suggestions for improving the campus discipline.
Good coordination between teachers and students
What do you think is the greatest strength of the Campus of Sree Sankara College?
Campus
What do you think is the major weakness of the Campus of Sree Sankara College?
Nothing
What do you think is the greatest opportunity of the Campus of Sree Sankara College?
Good campus
What do you think is the greatest challenge of the Campus of Sree Sankara College?
Nothing
Any other suggestions
Nil
Name: 0, dtype: object

[15]:
```python
a1=students.iloc[:,6].value_counts()
a1
a1.index=["Very Good","Excellent","Good","Satisfactory","Poor"]
```

[16]:
```python
a1
```

[16]: Very Good   111
      Excellent   86
      Good   85
      Satisfactory   36

Poor   10

Name: How do you rate the academic ambience of the college?, dtype: int64

```
[25]: 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()
```


How Do You Rate The Academic Ambience Of The College?
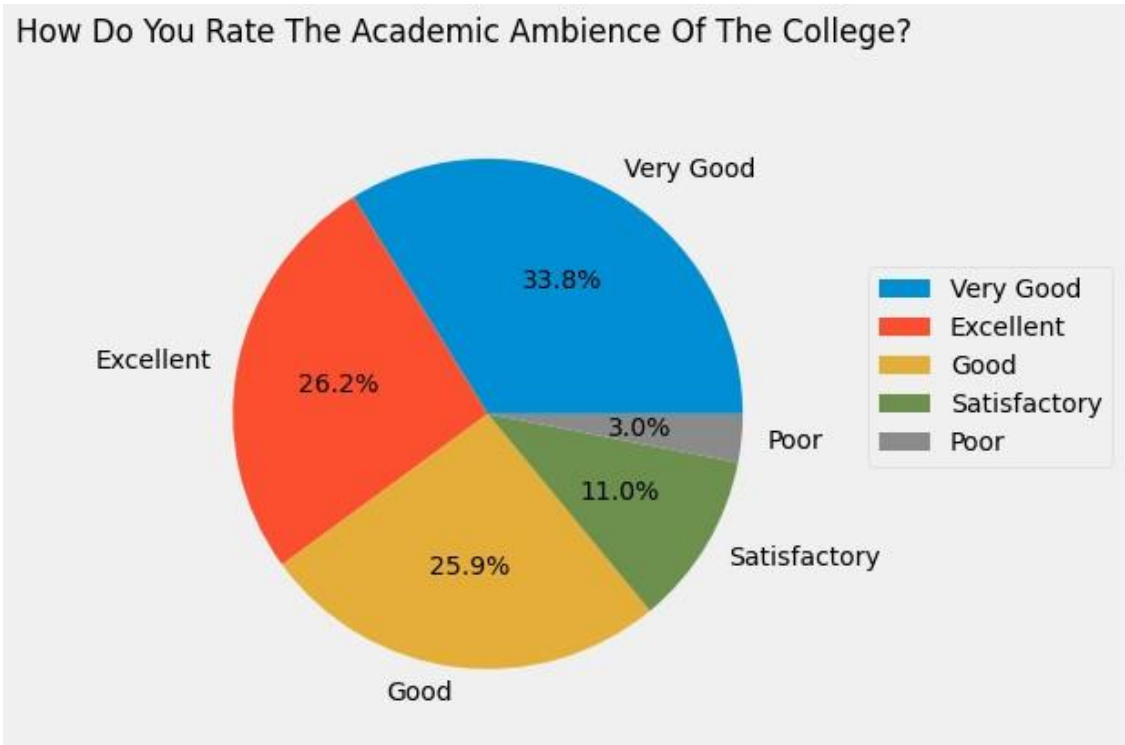
```
[10]: a2=students.iloc[:,7].value_counts()
      a2
```

```
[10]: Good                                             28
      Nil                                              22
      Nothing                                          16
      Nothing                                          14
      No suggestions                                   11
                                                       ..
      It's Good                                         1
      Please keep up the greenery of the campus         1
      Need more Cleanliness                             1
      The buildings are old so want some modifications  1
      Class rooms must be improved                      1
```

Name: Note down your grievances and suggestions regarding the academic ambience of the college., Length: 200, dtype: int64

[18]:
```python
a3=students.iloc[:,8].value_counts()
a3.index=["Excellent","Very Good","Good","Satisfactory","Poor"]
a3
```

[18]:
```
Excellent       114
Very Good        95
Good             68
Satisfactory     32
Poor             19
```
Name: How do you rate the library and learning resources facilities of the college?, dtype: int64

[26]:
```python
plt.figure( figsize=(12,6))
#plt. suptitle(a1.name.title())
a3.plot(kind= "pie",title= a3.name.title(),autopct='%3.1f%%',ylabel="")
plt.legend( bbox_to_anchor=(1.5, 0.75))
plt.show()
```
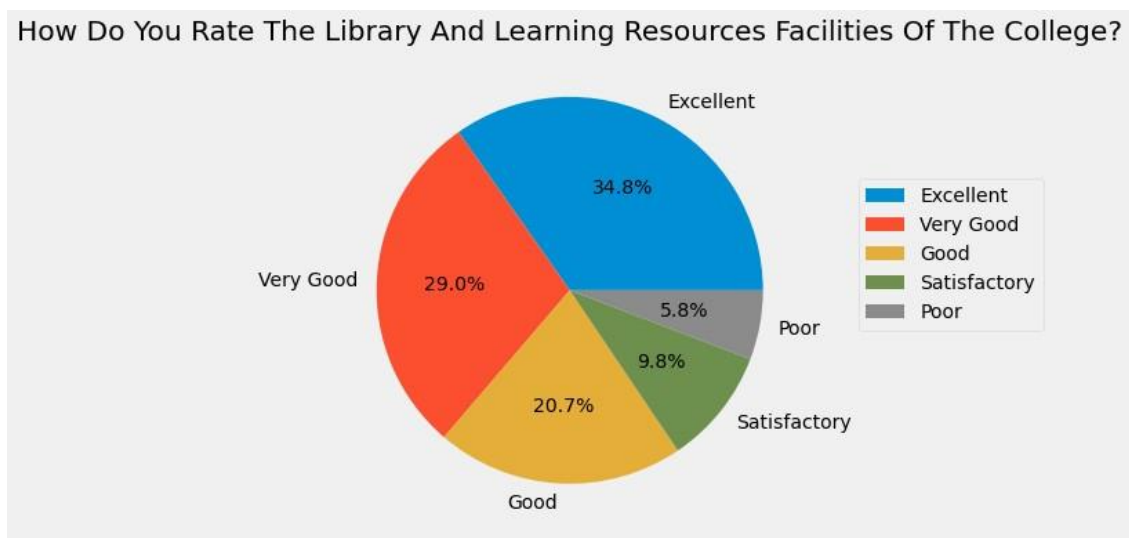

[20]:
```python
a4=students.iloc[:,9].value_counts()
a4
```

[20] :
```
Good             36
Nil              29
Nothing          18
Nothing          14
No suggestions    9
```

More books should be added to library regarding to each courses   1
Students need more books for reference   1
Try to improve   1
Add more books   1
Library included all languages   1
Name: Note down your grievances and suggestions regarding library and learning resource facilities of the college., Length: 187, dtype: int64

[21]:
```python
a5=students.iloc[:,10].value_counts()
a5.index=["Excellent","Very Good","Good","Satisfactory","Poor"]
a5
```

[21] : Excellent   121
Very Good   105
Good   65
Satisfactory   25
Poor   12
Name: How do you rate the teachers of the college generally in imparting knowledge to the students?, dtype: int64

[27]:
```python
plt.figure( figsize=(12,6))
#plt. suptitle(a1.name.title())
a5.plot(kind= "pie",title= a5.name.title(),autopct='%3.1f%%',ylabel="")
plt.legend( bbox_to_anchor=(1.5, 0.75))
plt.show()
```


[23]:
```python
a6=students.iloc[:,11].value_counts()
a6.index=["Excellent","Very Good","Good","Satisfactory","Poor"]
a6
```

```
[23]: Excellent      106
      Very Good        94
      Good             72
      Satisfactory     42
      Poor             14
      Name: How do you rate the support of the teachers in your curricular and extra
      curricular activities?, dtype: int64
```
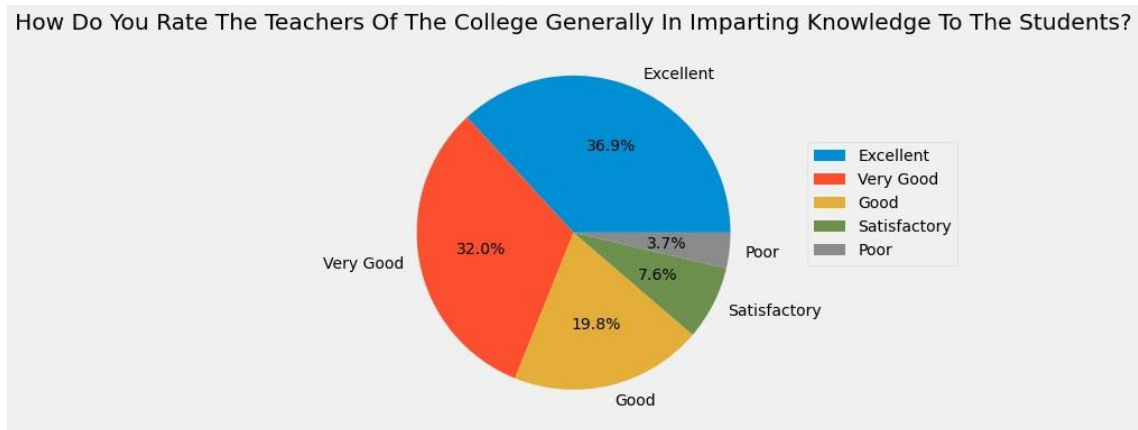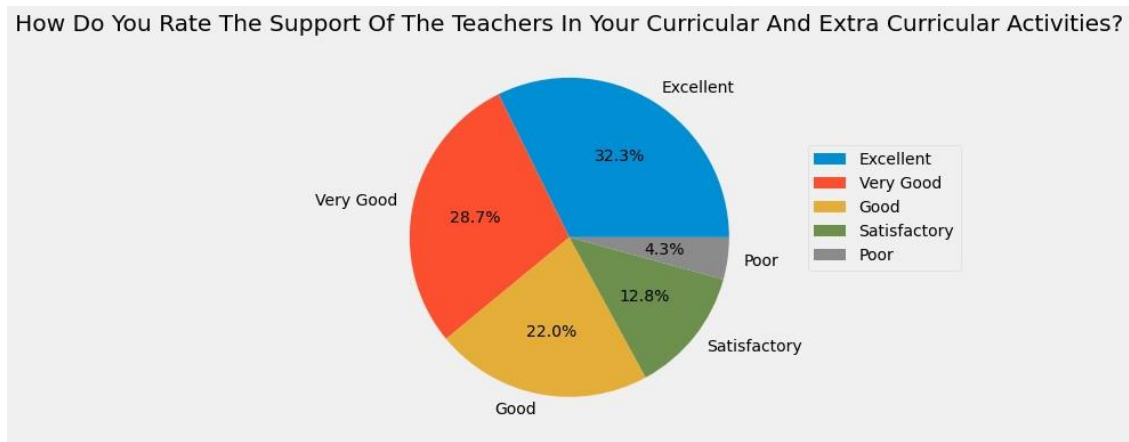
```
[28]: plt.figure( figsize=(12,6))
      a6.plot(kind= "pie",title= a6.name.title(),autopct='%3.1f%%',ylabel="")
      plt.legend( bbox_to_anchor=(1.5, 0.75))
      plt.show()
```



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

```
[32]: Nil                                           27
      Good                                          22
      Nothing                                       17
      Nothing                                       14
      No                                            10
                                                    ..
      It was good. No grievance                      1
      Not much satisfied but its ok.                 1
      The teachers in English department are so friendly   1
      Please keep supporting                         1
      Please give more chances for students          1
      Name: Note down your grievances and suggestions regarding the support to
      curricular and extra curricular activities of students., Length: 207, dtype:
      int64
```

```
[ ]:
```

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

[33]: No   229
      Yes   99
      Name: Do you use the sports, games and fitness facilities provided in the
      campus?, dtype: int64

```
[34]: plt.figure( figsize=(12,6))
      a8.plot(kind= "pie",title= a8.name.title(),autopct='%3.1f%%',ylabel="")
      plt.legend( bbox_to_anchor=(1.5, 0.75))
      plt.show()
```
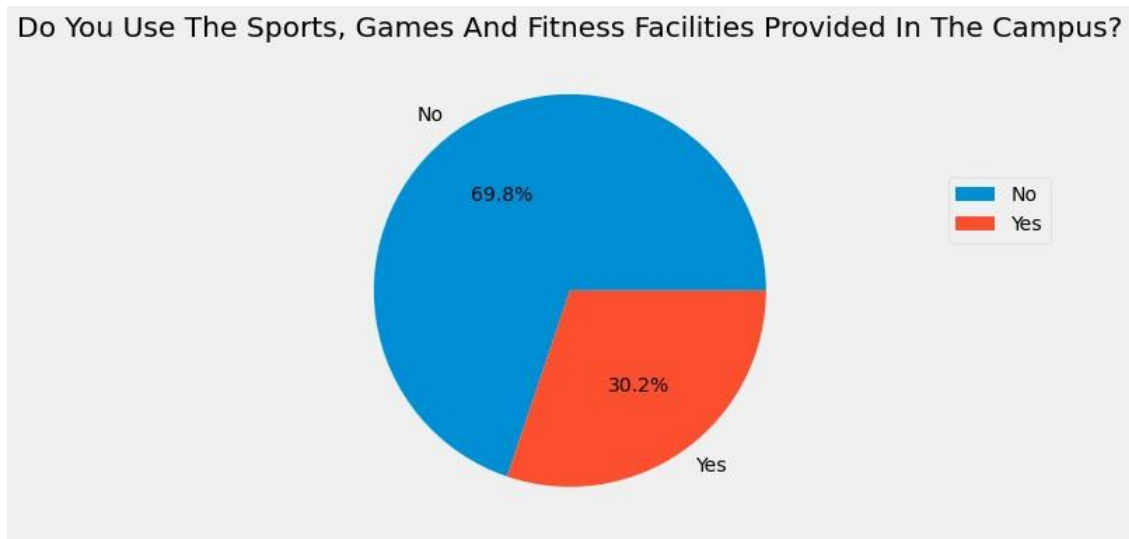


```
[35]: a9=students.iloc[:,14].value_counts()
      a9.index=["Good","Very Good","Excellent","Poor","Satisfactory"]
      a9
```

[35]: Good   108
      Very Good   80
      Excellent   77
      Poor   33
      Satisfactory   30
      Name: How do you rate the sports and games facilities in the campus?, dtype:
      int64

```
[36]: plt.figure( figsize=(12,6))
      #plt. suptitle(a1.name.title())
      a9.plot(kind= "pie",title= a9.name.title(),autopct='%3.1f%%',ylabel="")
      plt.legend( bbox_to_anchor=(1.5, 0.75))
```

```
plt.show()
```

How Do You Rate The Sports And Games Facilities In The Campus?

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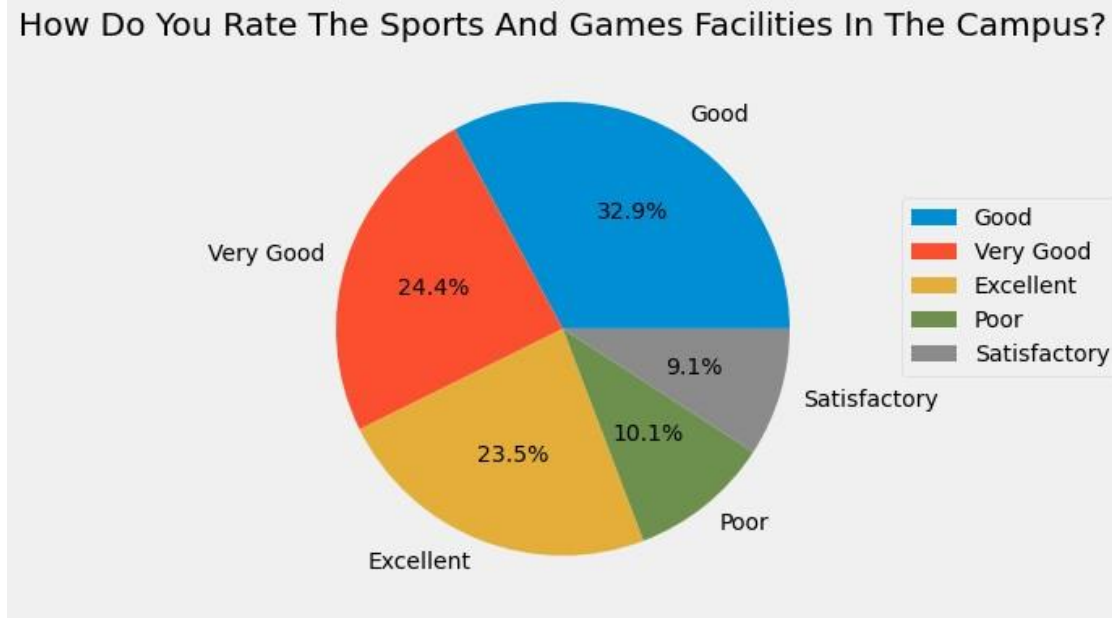
```
[37]: a10=students.iloc[:,15].value_counts()
      a10
```

```
[37]: Nil                                          32
      Good                                         32
      Nothing                                      23
      Nothing                                      17
      No                                           14
                                                   ..
      Ok                                            1
      Get help from sports facilities management    1
      Excellent                                     1
      All is good                                   1
      Basketball team have to be formed             1
      Name: Note down your grievances and suggestions regarding   sports and games
      facilities in the campus., Length: 181, dtype: int64
```

```
[38]: a11=students.iloc[:,16].value_counts()
      a11.index=["Good","Very Good","Satisfactory","Poor","Excellent",]
      a11
```

```
[38]: Good           130
      Very Good        55
      Satisfactory     55
      Poor             50
      Excellent        38
      Name: How do you rate the hostel facilities provided in the campus?, dtype:
      int64
```

```python
[39]: plt.figure( figsize=(12,6))
      #plt. suptitle(a1.name.title())
      a11.plot(kind= "pie",title= a11.name.title(),autopct="%3.1f%%",ylabel="")
      plt.legend( bbox_to_anchor=(1.5, 0.75))
      plt.show()
```


How Do You Rate The Hostel Facilities Provided In The Campus?

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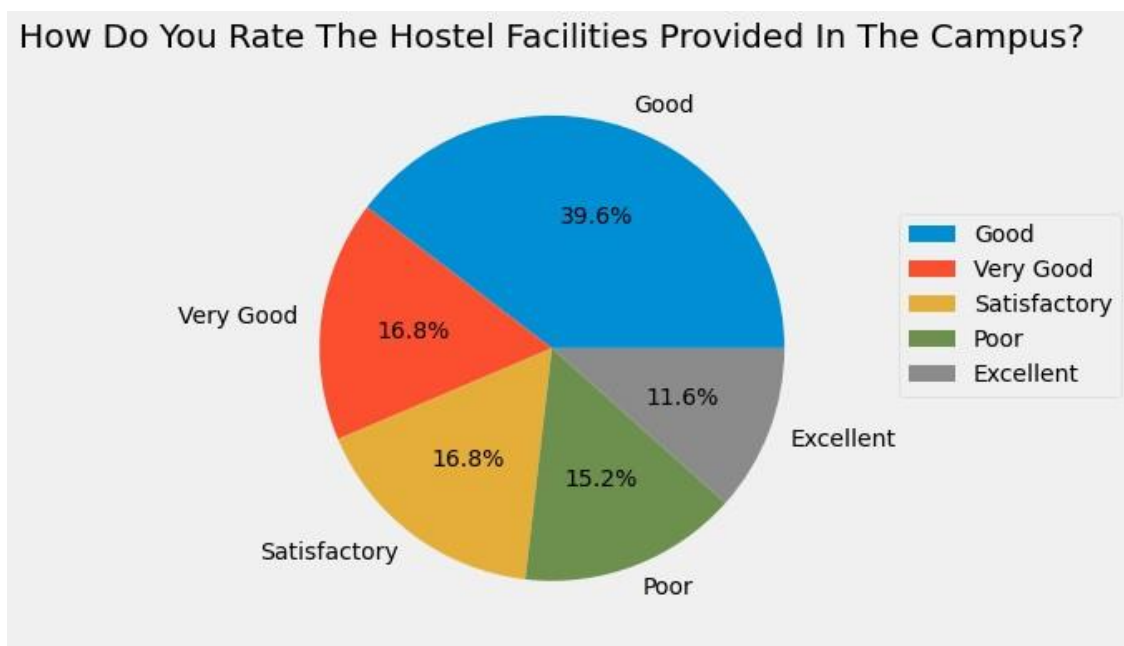
```python
[40]: dic = {1:"Excellent",2:"Very Good",3:"Good",4:"Satisfactory",5:"Poor"}
```

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

```
[41]: 3    116
      4     68
      2     65
      5     52
      1     27
```

11

Name: How do you rate the canteen facilities provided in the campus?, dtype: int64

[42]:
```
a12.index =[dic.get(item) for item in a12.index]
a12
```

[42]: Good   116
      Satisfactory   68
      Very Good   65
      Poor   52
      Excellent   27
Name: How do you rate the canteen facilities provided in the campus?, dtype: int64

[44]:
```
plt.figure( figsize=(12,6))
a12.plot(kind= "pie",title= a12.name.title(),autopct="%3.1f%%",ylabel="")
plt.legend( bbox_to_anchor=(1.5, 0.75))
plt.show()
```
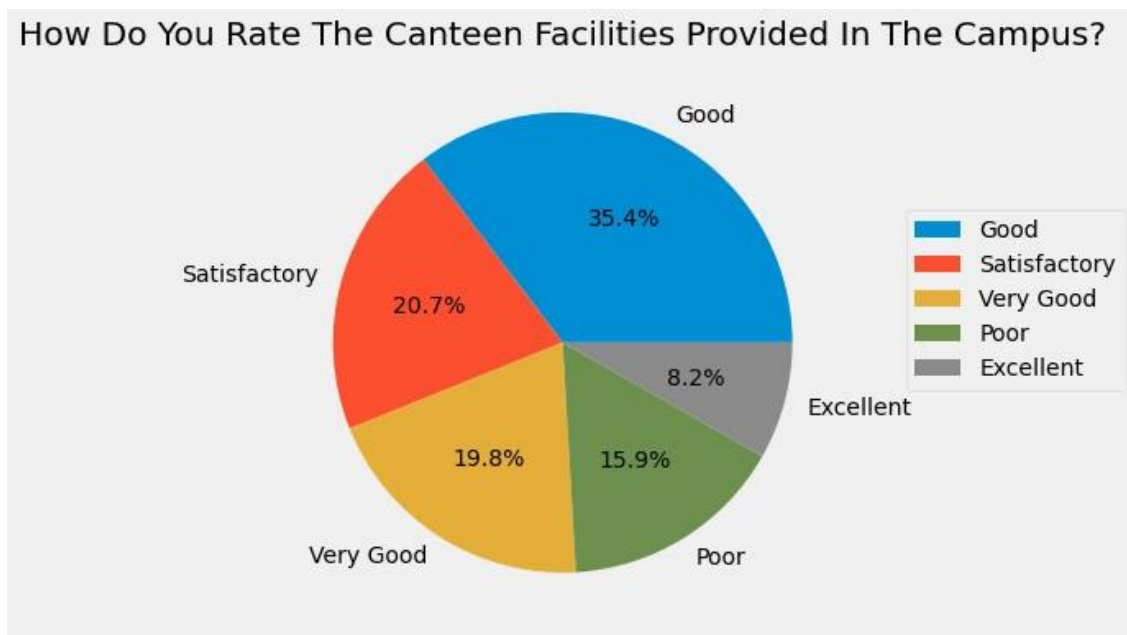

[45]:
```
a13=students.iloc[:,18].value_counts()
a13
```

[45]: Nil   24
      Good   14
      Nothing   14
      Nothing   14

```
No                                              10
                                                ..
It is good now                                  1
More facilities and food resources are required 1
Need more neat and clean                        1
                                                1
food quality need to be improved                1
Name: Note down your grievances and suggestions for improvement in canteen
facilities., Length: 236, dtype: int64
```

[ ]:

[46]:
```python
a14=students.iloc[:,19].value_counts()
a14
```

[46]:
```
3    113
2    103
1     60
4     32
5     20
Name: How do you rate the campus discipline?, dtype: int64
```

[47]:
```python
a14.index =[dic.get(item) for item in a14.index]
a14
```

[47]:
```
Good           113
Very Good      103
Excellent       60
Satisfactory    32
Poor            20
Name: How do you rate the campus discipline?, dtype: int64
```

[49]:
```python
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()
```

How Do You Rate The Campus Discipline?

Good 34.5%
Very Good 31.4%
Excellent 18.3%
Satisfactory 9.8%
Poor 6.1%

Legend:
- Good
- Very Good
- Excellent
- Satisfactory
- Poor
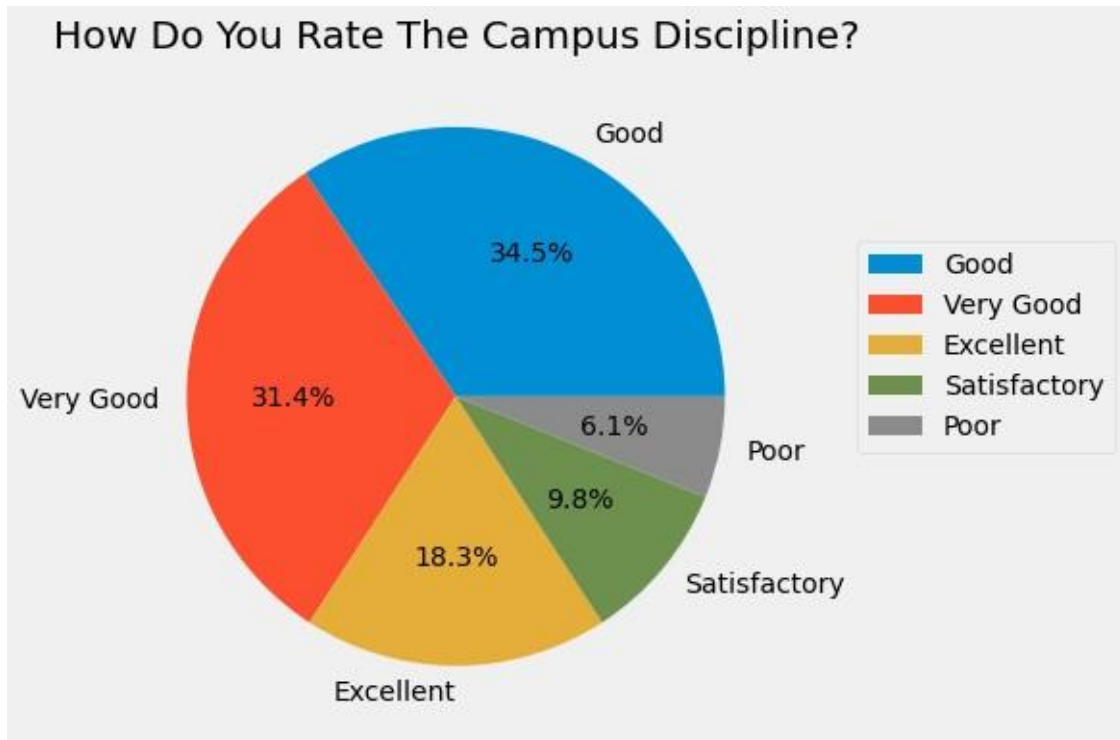
[50]:
```
a15=students.iloc[:,20].value_counts()
a15
```

[50]:
```
Nil                                           30
Good                                          22
Nothing                                       20
Nothing                                       17
.                                             12
                                              ..
Discipline ourself                             1
Its fine                                       1
Give strict action for undispline activities   1
No suggestion                                  1
Nill                                           1
Name: Note down your grievances and suggestions for improving the campus
discipline., Length: 188, dtype: int64
```

[51]:
```
a16=students.iloc[:,21].value_counts()
a16
```

[51]:
```
Students                                      25
Students                                      23
Unity                                         12
```

14

```
Good                                                            7
.                                                              6
                                                              ..
Coorporation between students, teachers and management.        1
Brilliant teachers and nature beauty of college                1
Really appreciate                                              1
Academics                                                      1
The students and the party                                     1
Name: What do you think is the greatest strength of the Campus of Sree Sankara
College?, Length: 223, dtype: int64
```

[52]:
```
a17=students.iloc[:,22].value_counts()
a17
```

[52]:
```
Nil
24
Nothing
21
Nothing
19
No
9
.
7
                              ..
  .
1
It's little bit backward in support to arts and sports it should be good if it
should be more better        1
Lack of proper execution of rules and regulations
1
Canteen
1
Peace
1
Name: What do you think is the major weakness of the Campus of Sree Sankara
College?, Length: 211, dtype: int64
```

[53]:
```
a18=students.iloc[:,23].value_counts()
a18
```

[53]:
```
Nil                                                           16
.                                                              8
Nothing                                                        7
No                                                             6
Library                                                        6
                                                              ..
```

```
To study here                                    1
                                                 1
Library facilities and drama opportunities.      1
Placements                                       1
Getting my favorite subject to study             1
Name: What do you think is the greatest opportunity of the Campus of Sree
Sankara College?, Length: 257, dtype: int64
```

[54]:
```
a19=students.iloc[:,24].value_counts()
a19
```

[54]:
```
Nil                                              24
Nothing                                          24
Nothing                                          21
.                                                14
No                                               10
                                                 ..
Other campus                                      1
Dont know                                         1
Gathering students into a peaceful environment    1
Study                                             1
Nill                                              1
Name: What do you think is the greatest challenge of the Campus of Sree Sankara
College?, Length: 202, dtype: int64
```

[55]:
```
a20=students.iloc[:,25].value_counts()
a20
```

[55]:
```
No
122
Nil
34
Nothing
23
Nothing
19
.
8
                                                    …
Please provide pure drinking water without snail
1
NO
1
‾‾
1
Need to improve the political and gender neutrality mind among the teachers and
non teaching staffs\nRequire a Gpay QR code in office, canteen,etc          1
```

16

Making **it** important to answer every columns even **if** we don't have particular
suggestions over some questions **is** a **bit** challenging   1
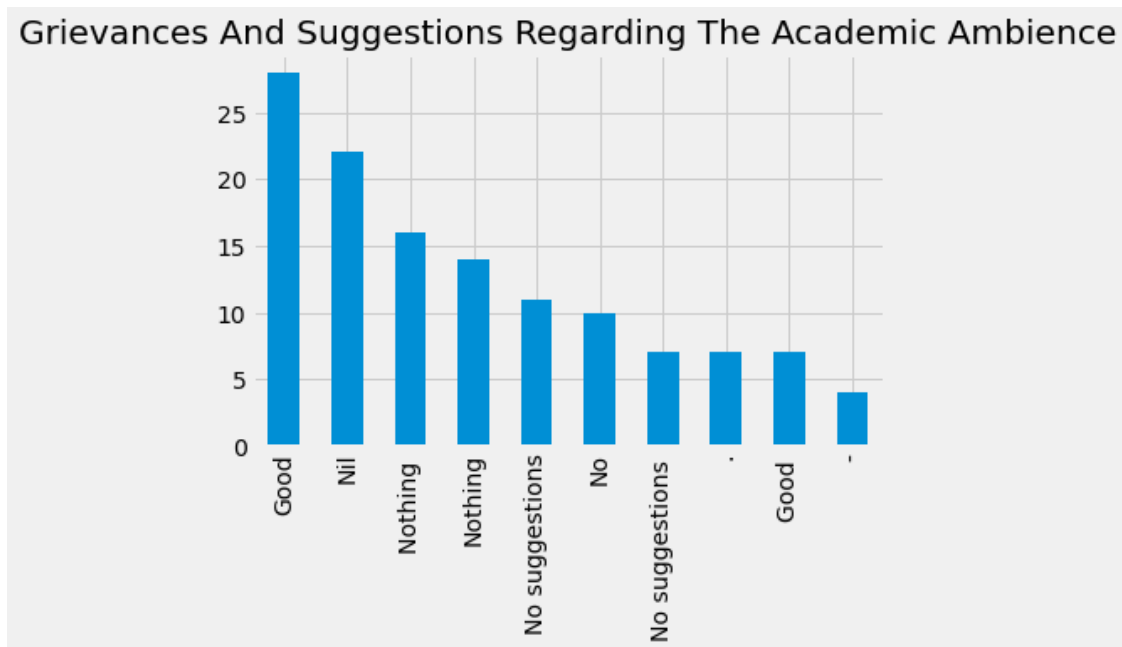Name: Any other suggestions, Length: 98, dtype: int64

[56]: `a = students.columns`

[57]: `a[7]`

[57]: 'Note down your grievances and suggestions regarding the academic ambience of
the college.'

[58]: `b=students.iloc[:,7].value_counts()`

[59]: `b[:10].plot(kind="bar",title= "grievances and suggestions regarding the`
`↪academic ambience".title());`

[60]: `b[10:20].plot(kind="bar",title= "grievances and suggestions regarding the`
`↪academic ambience".title());`

Grievances And Suggestions Regarding The Academic Ambience

[61]:
```
b[20:30].plot(kind="bar",title= "grievances and suggestions regarding the␣
 ↪academic ambience".title());
```

Grievances And Suggestions Regarding The Academic Ambience

Bars with categories (x-axis labels):
- Campus can be make more aesthetic. Also should increase the lab facilities
- Give more attention to students in studies
- Nothing particular
- All the facilties are good
- no grievances
- Excellent
- Need to get better
- Provide uniform
- The college has a good academic ambience.
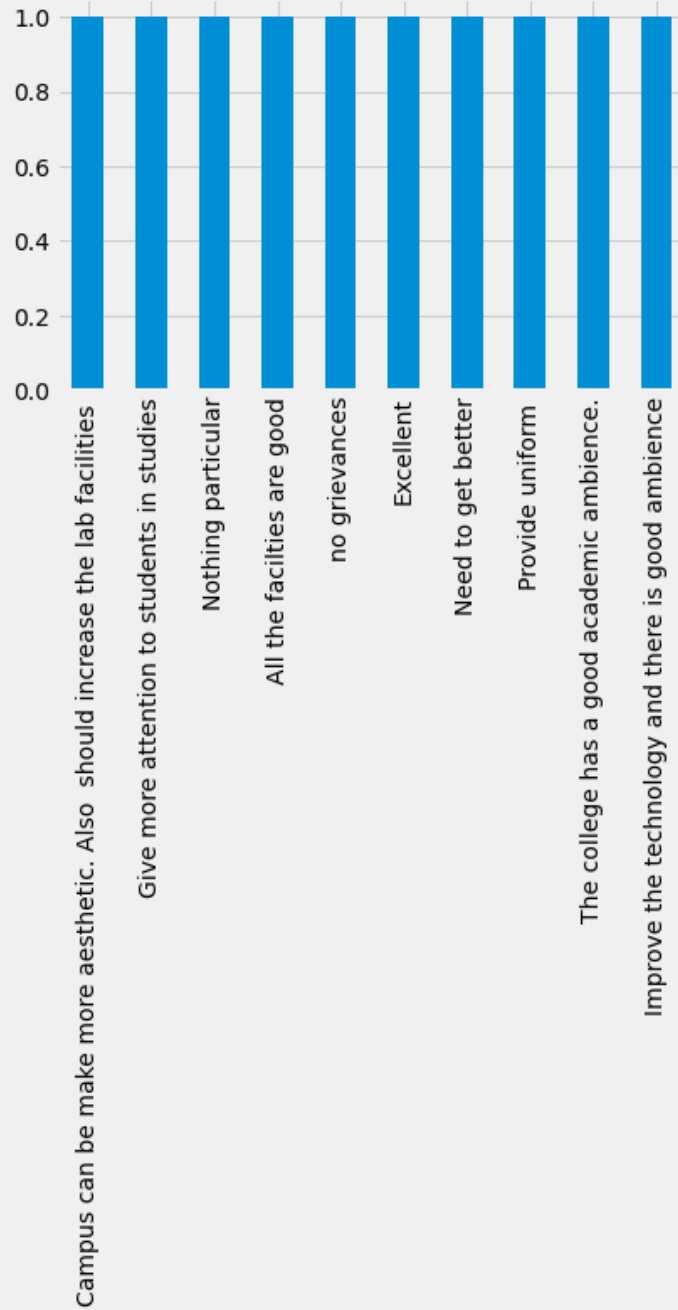- Improve the technology and there is good ambience

[62]:
```python
b[30:40].plot(kind="bar",title= "grievances and suggestions regarding the
academic ambience".title());
```

Grievances And Suggestions Regarding The Academic Ambience

Bar chart categories (x-axis labels):
- Very poor ambiance
- Provide qualified teachers not guest lecturer
- Most of the days classes are not held during afternoon. Classes must go on as scheduled (ie from 10 am- 3 : 45 pm) .
- More focus should be provided for practical sessions than the theoretical one
- The buildings are old so want some modifications
- The academic ambience of the college is very good
- Pretty much nothing to point out as suggestions
- It will get better.
- Improve co curricular activities
- The ambience of the college is very much pleasant.

```
[63]: b[40:50].plot(kind="bar",title= "grievances and suggestions regarding the
       ↪academic ambience".title());
```

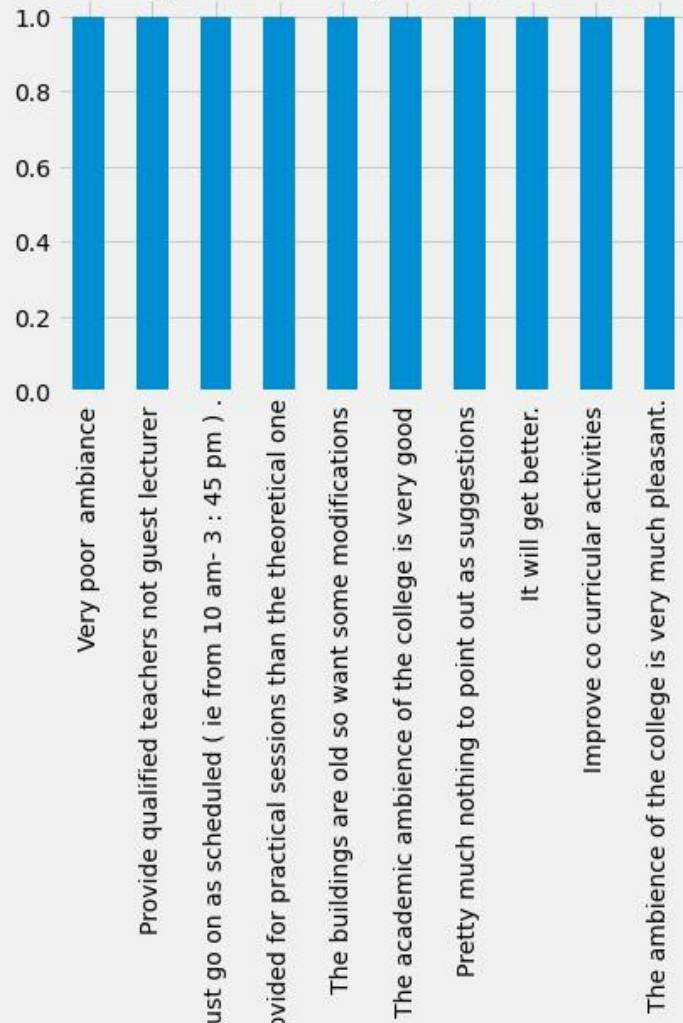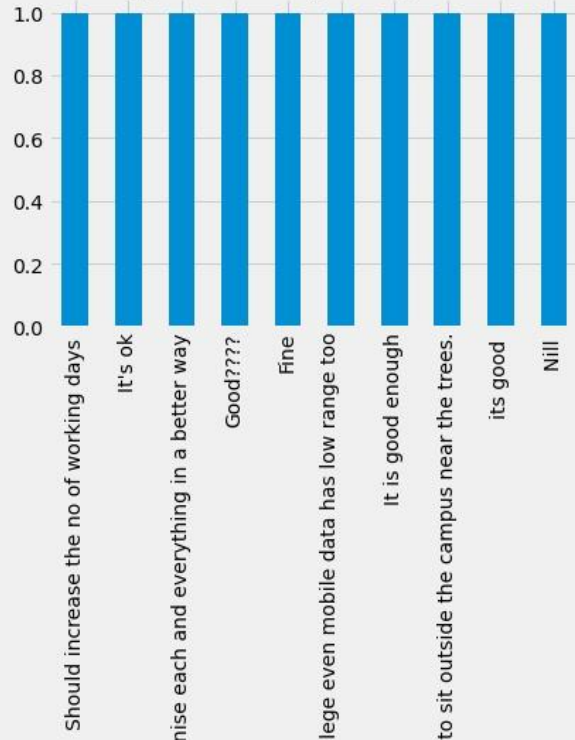Grievances And Suggestions Regarding The Academic Ambience

Should increase the no of working days
It's ok
The campus should organise each and everything in a better way
Good????
Fine
Lab facilities should be updated.Wifi is not available everywhere so it is difficult to use computer facilities in college even mobile data has low range too
Library time should be included in the timetable
It is good enough
Can improve some more as it can also include some benches to sit outside the campus near the trees.
its good
Nill

```
[52]: b[50:60].plot(kind="bar",title= "grievances and suggestions regarding the␣
       ↪academic ambience".title());
```
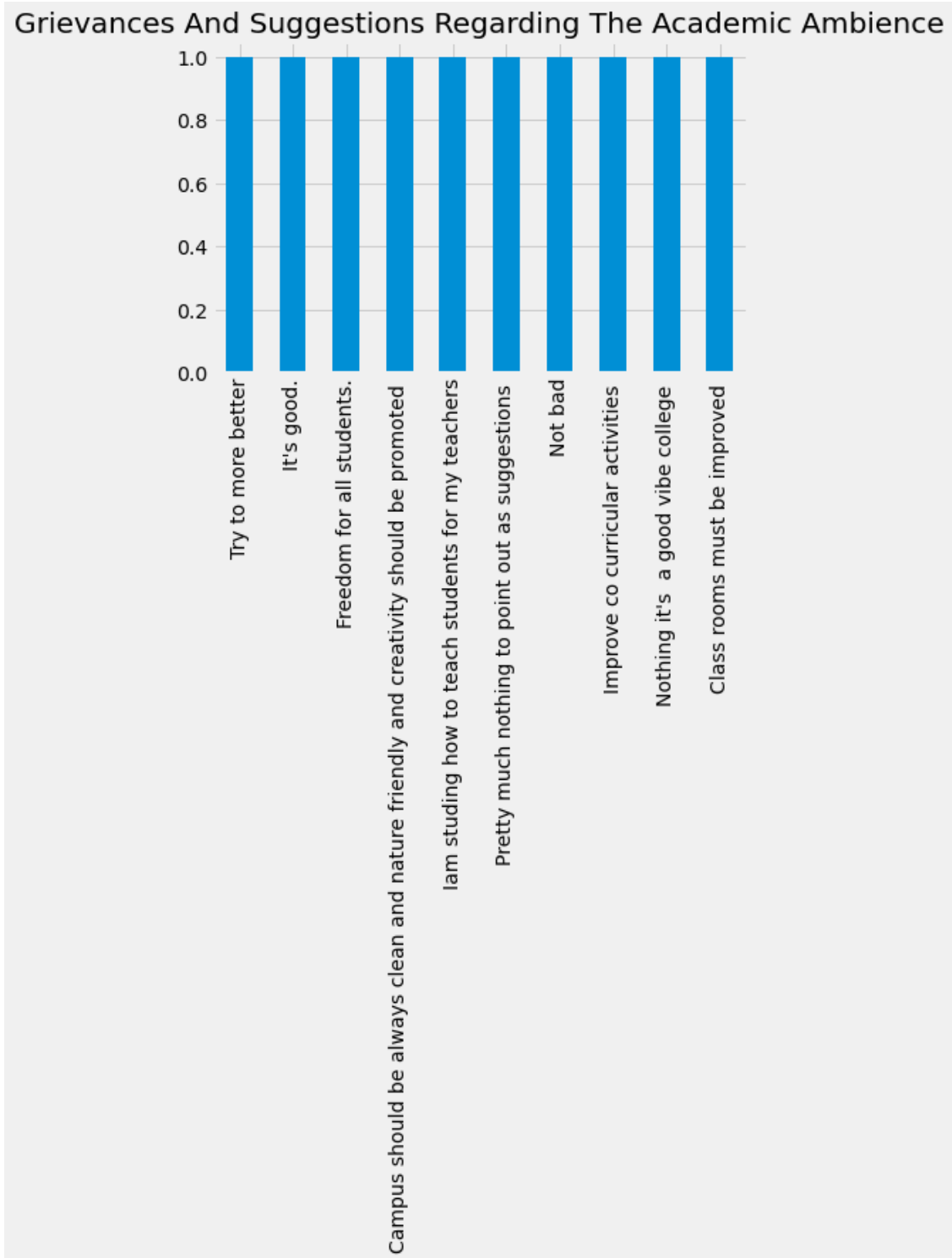
Grievances And Suggestions Regarding The Academic Ambience

```
[53]: b[60:70].plot(kind="bar",title= "grievances and suggestions regarding the␣
      ↪academic ambience".title());
```

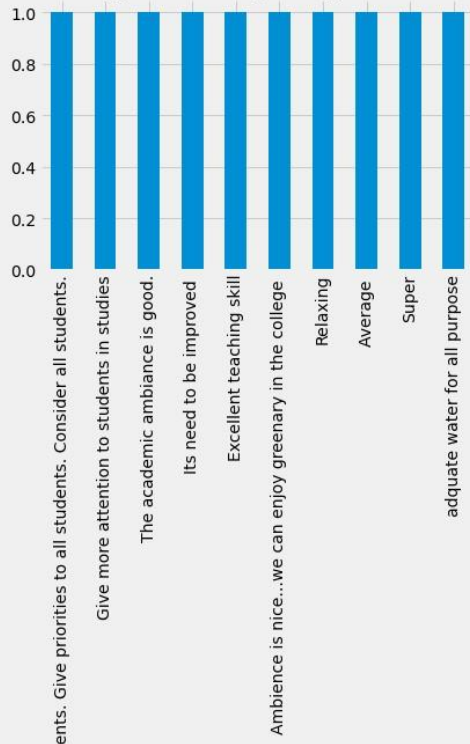## Grievances And Suggestions Regarding The Academic Ambience

Academic ambience of the college is very poor. It is necessary to concentrate all students including PG. Avoid discrimination against students. Give priorities to all students. Consider all students.

Give more attention to students in studies

The academic ambiance is good.

Its need to be improved

Excellent teaching skill

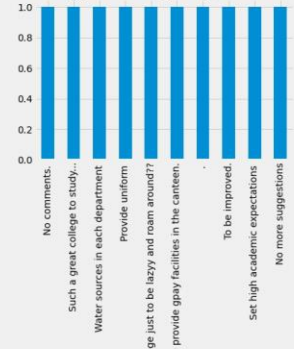Ambience is nice....we can enjoy greenary in the college

Relaxing

Average

Super

adquate water for all purpose

```
[54]: b[70:80].plot(kind="bar",title= "grievances and suggestions regarding the␣
      ↪academic ambience".title());
```

Grievances And Suggestions Regarding The Academic Ambience

No comments.

Such a great college to study...

Water sources in each department

Provide uniform

Overall the college and students looks shabby and students could add more discipline to their lives,dress neatly...i hope they understand education is important and following the trend of bunking class for anything incuilding poltics or practices is NOT considered COOL.beacuse half of the ppl i know joined the college just to be lazy and roam around??

Cleanliness of class is very poor.water facilities is very low.please provide gpay facilities in the canteen.

.

To be improved.

Set high academic expectations

No more suggestions

```
[55]: b[80:90].plot(kind="bar",title= "grievances and suggestions regarding the
      ↪academic ambience".title());
```

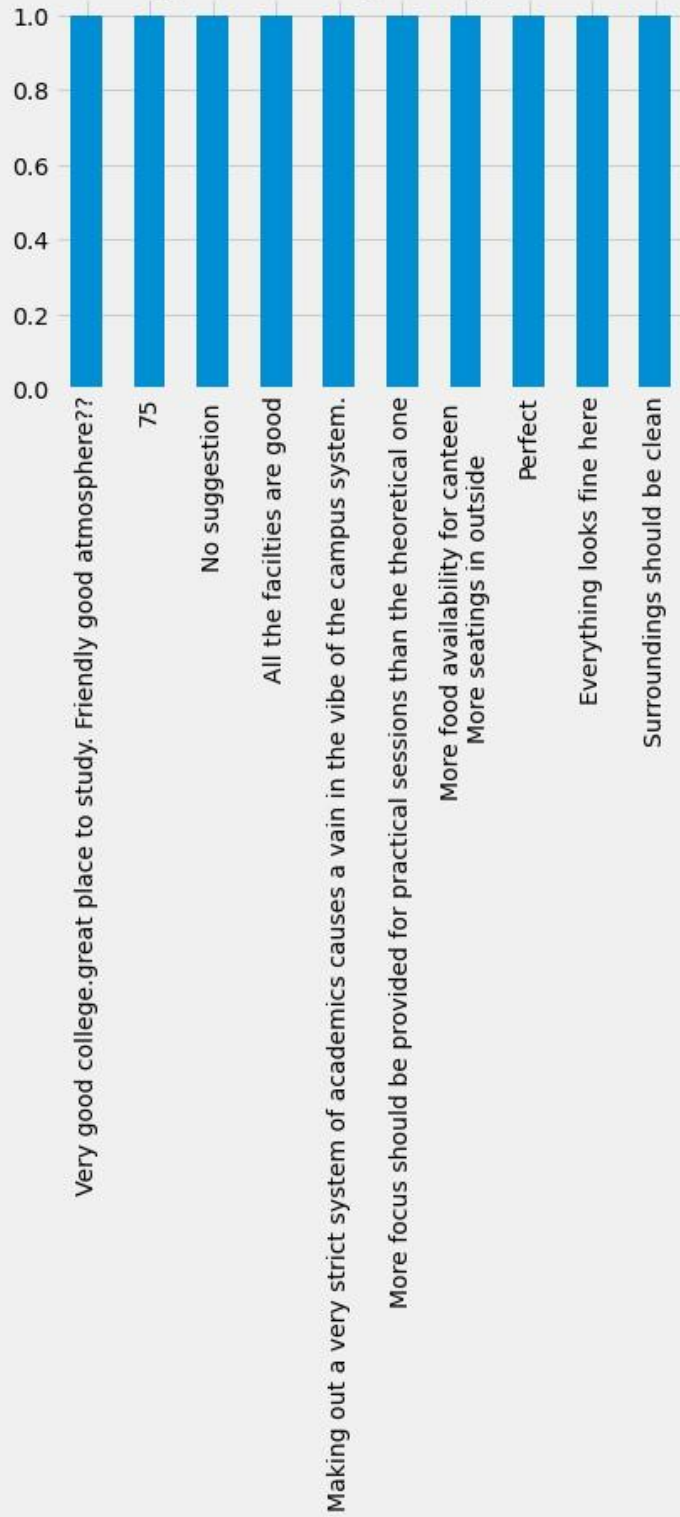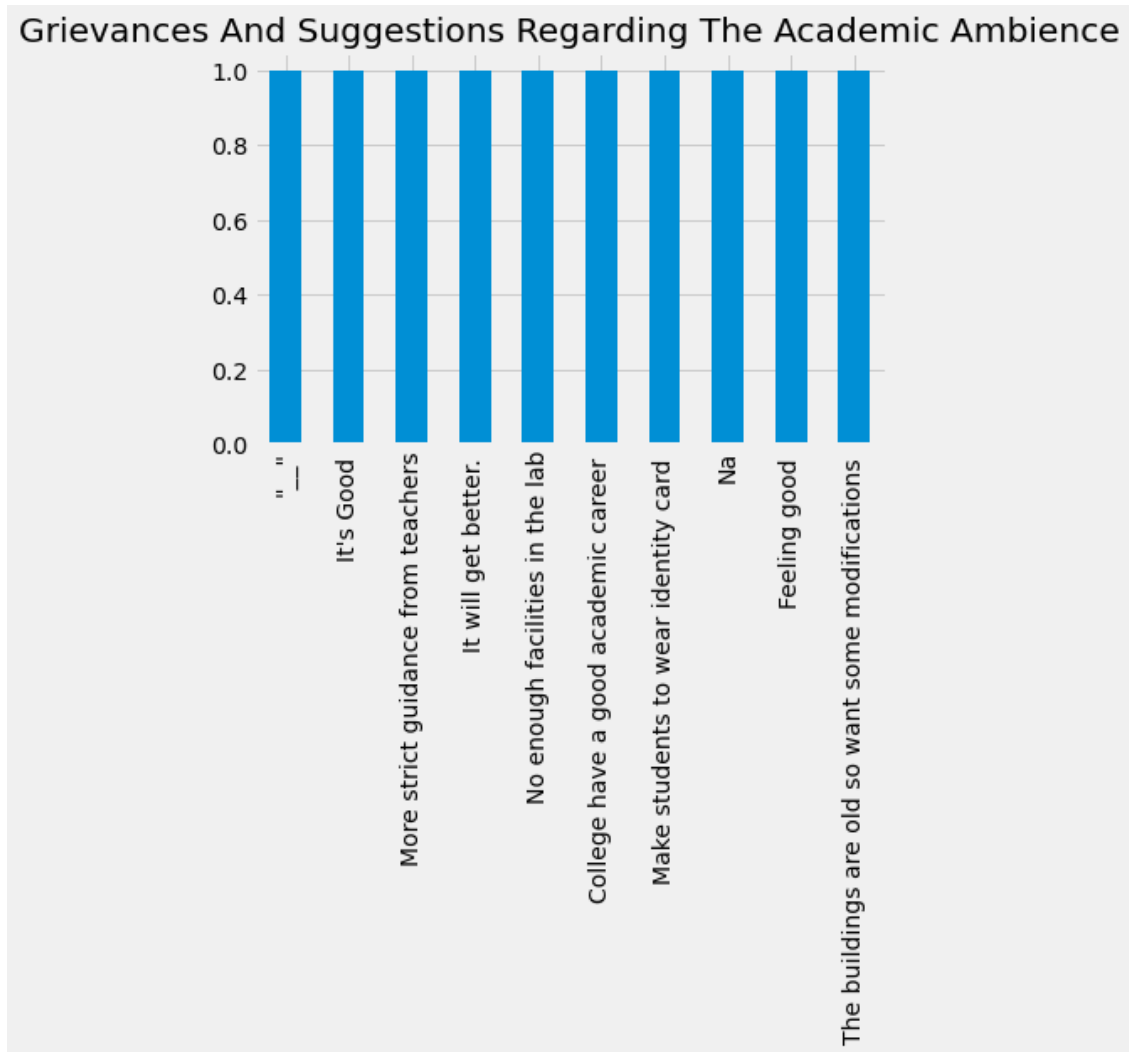# Grievances And Suggestions Regarding The Academic Ambience

Bar chart with categories:
- Very good college.great place to study. Friendly good atmosphere??
- 75
- No suggestion
- All the facilities are good
- Making out a very strict system of academics causes a vain in the vibe of the campus system.
- More focus should be provided for practical sessions than the theoretical one
- More food availability for canteen
- More seatings in outside
- Perfect
- Everything looks fine here
- Surroundings should be clean

[56]: `b[90:100].plot(kind="bar",title= "grievances and suggestions regarding the␣ ↪academic ambience".title());`

[57]: `b[100:110].plot(kind="bar",title= "grievances and suggestions regarding the␣ ↪academic ambience".title());`

Grievances And Suggestions Regarding The Academic Ambience

[58]: `b[110:120].plot(kind="bar",title= "grievances  and  suggestions  regarding  the` ↪academic ambience".title());

Grievances And Suggestions Regarding The Academic Ambience

[59]: `b[120:130].plot(kind="bar",title= "grievances  and  suggestions  regarding  the` ↪academic ambience".title());

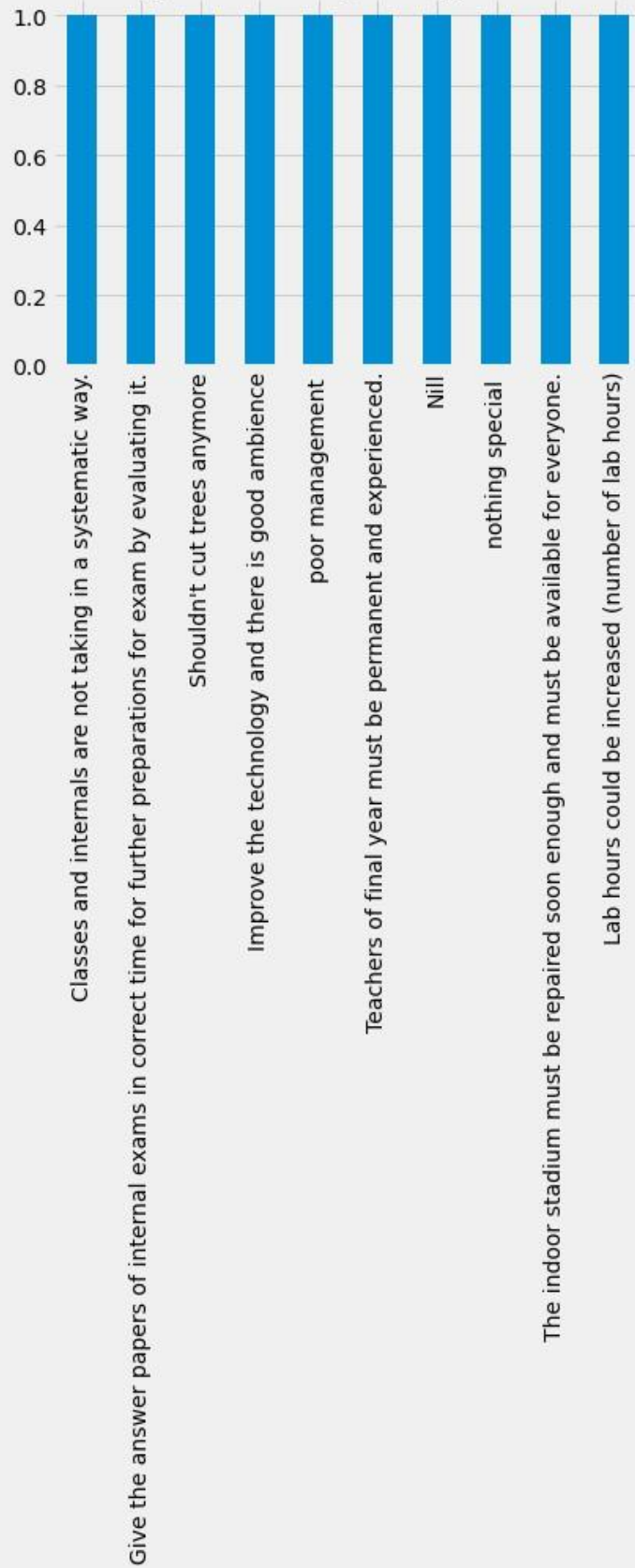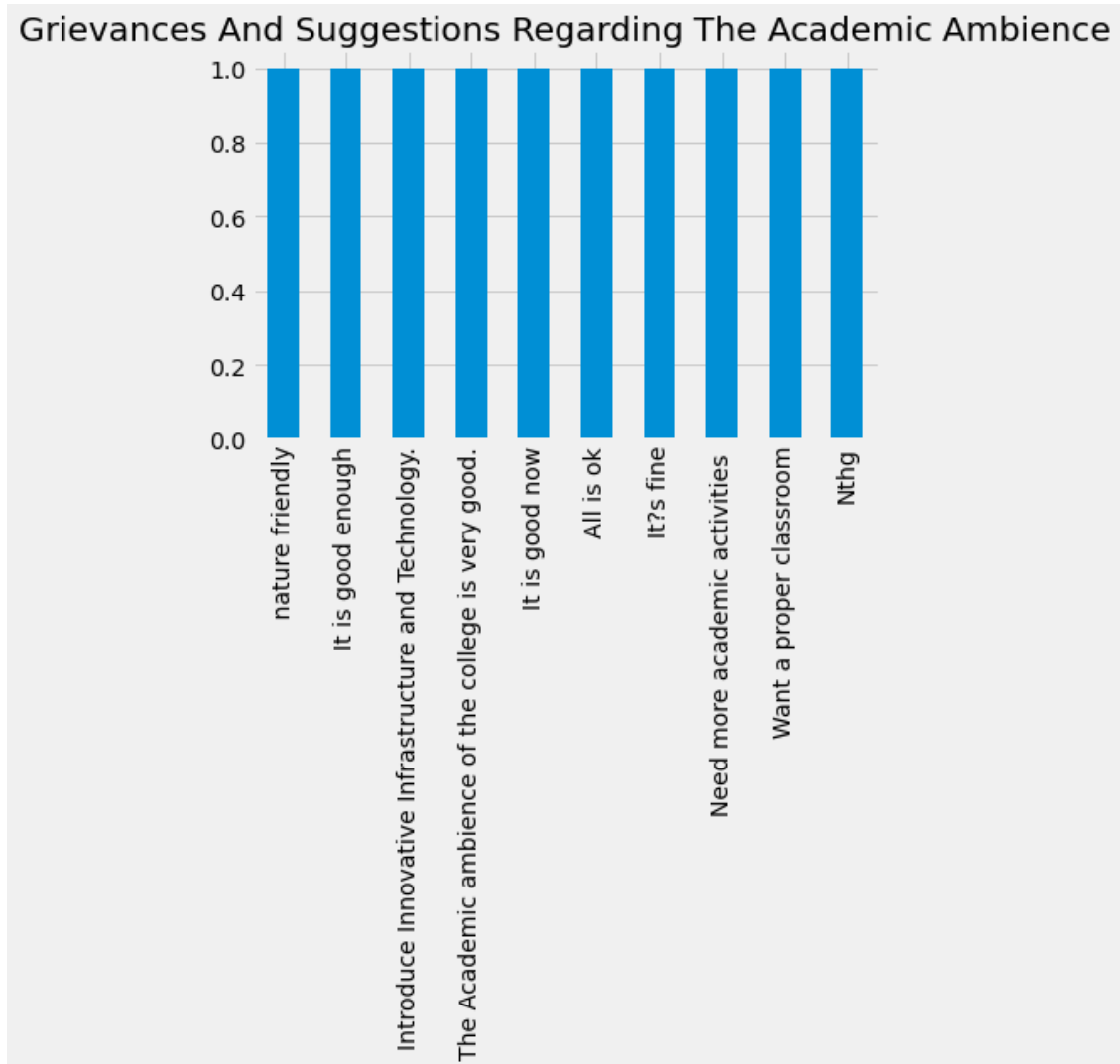## Grievances And Suggestions Regarding The Academic Ambience
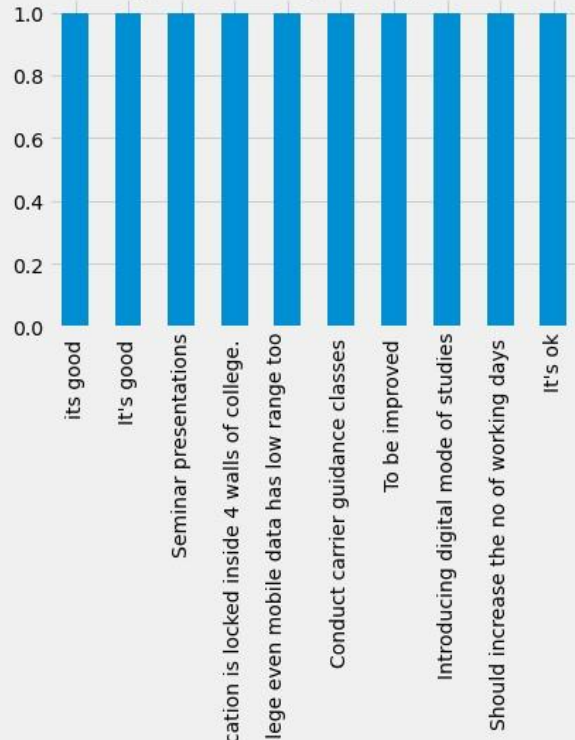
Bar chart with x-axis labels:
- its good
- It's good
- Seminar presentations
- make student prepare for projects and papers. give them maximum intertionship in there feilds . the education is locked inside 4 walls of college.
- Lab facilities should be updated.Wifi is not available everywhere so it is difficult to use computer facilities in college even mobile data has low range too. Library time should be included in the timetable
- Conduct carrier guidance classes
- To be improved
- Introducing digital mode of studies
- Should increase the no of working days
- It's ok

```
[60]: b[130:140].plot(kind="bar",title= "grievances and suggestions regarding the␣
       ↪academic ambience".title());
```

# Grievances And Suggestions Regarding The Academic Ambience

- Sree Sankara college acadamay makes me good character in my personality and give me more opertunity to express my talents and intelligents
- Could have good fan and light facilities in classes, because during Summer season it is too hard to sit in
- Good ambience
- College ambience is pretty good.
- Very excellent
- Attendance related issue
- Provide qualified teachers not guest lecturer
- Calm and provides a positive energy.
- Reward for good behaviour
- Very good ambience as given in the college

```
[61]: b[140:150].plot(kind="bar",title= "grievances and suggestions regarding the␣
      ↪academic ambience".title());
```

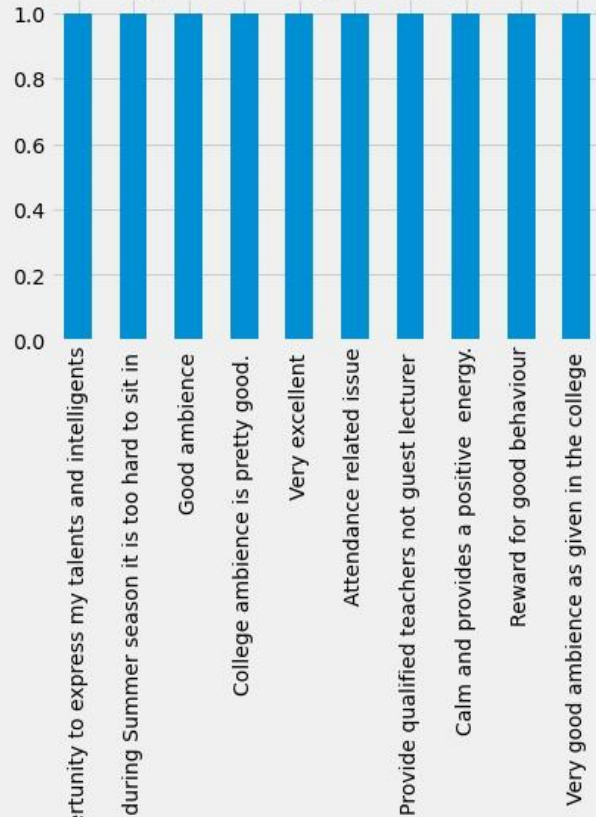## Grievances And Suggestions Regarding The Academic Ambience

Chart categories (x-axis labels):
- :
- The academic ambience of the college is very good
- It will be good if there is a garden
- College surroundings can be more neat
- The ambience was very good. With soo many trees and plants surrounding the college gives a very calm ambience.
- Can improve some more as it can also include some benches to sit outside the campus near the trees.
- It will be nice if there is competitions and active club activities.
- ambience of the college is so good for students to excel in their academics
- Everything is fine
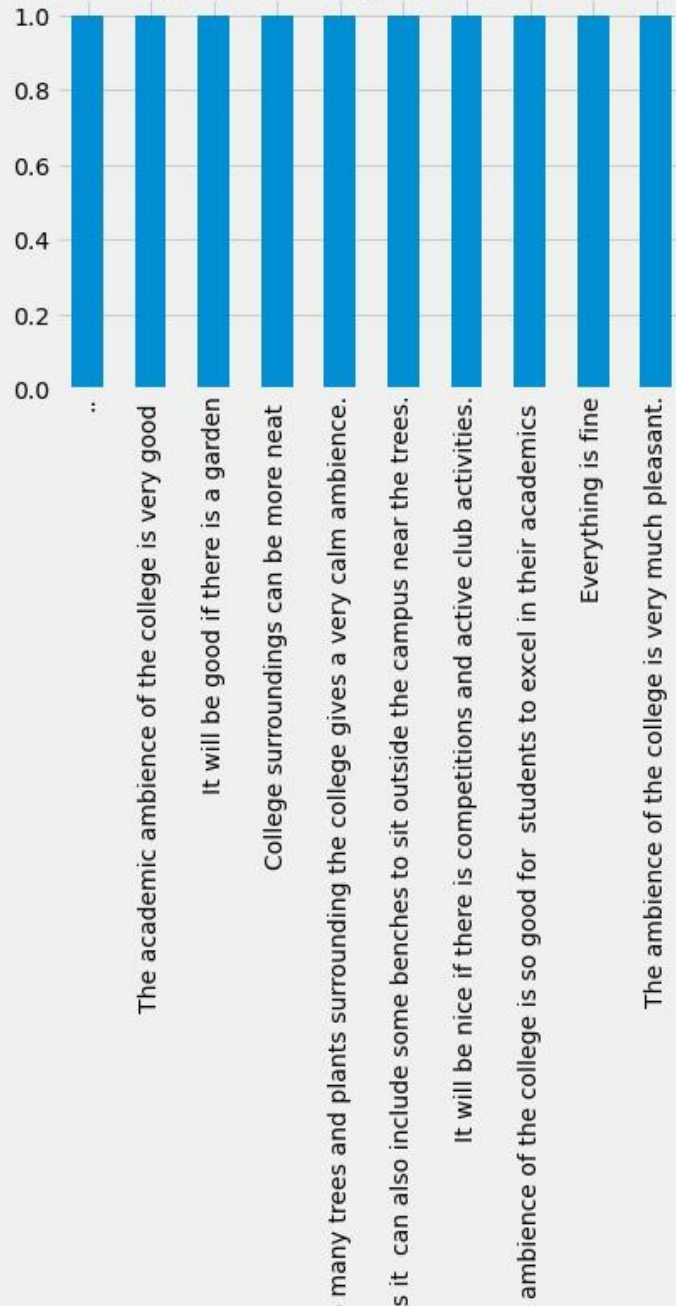- The ambience of the college is very much pleasant.

37

```
[62]: b[150:160].plot(kind="bar",title= "grievances and suggestions regarding the␣
       ↪academic ambience".title());
```

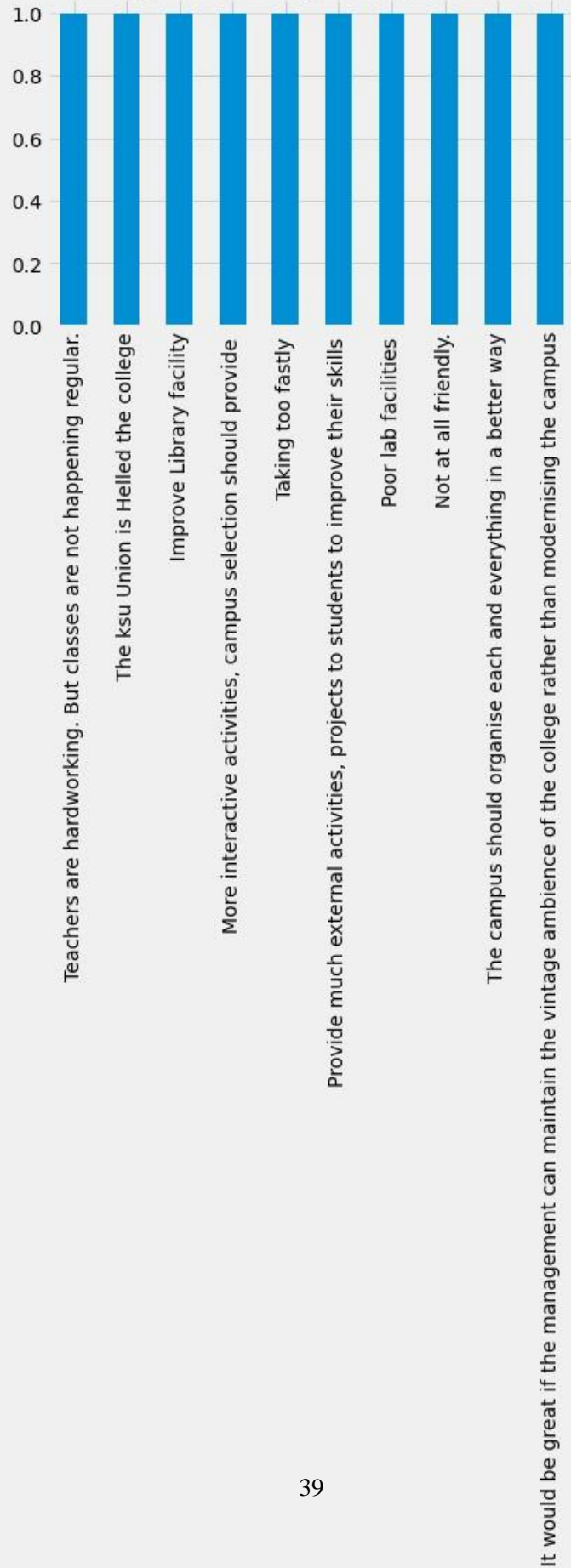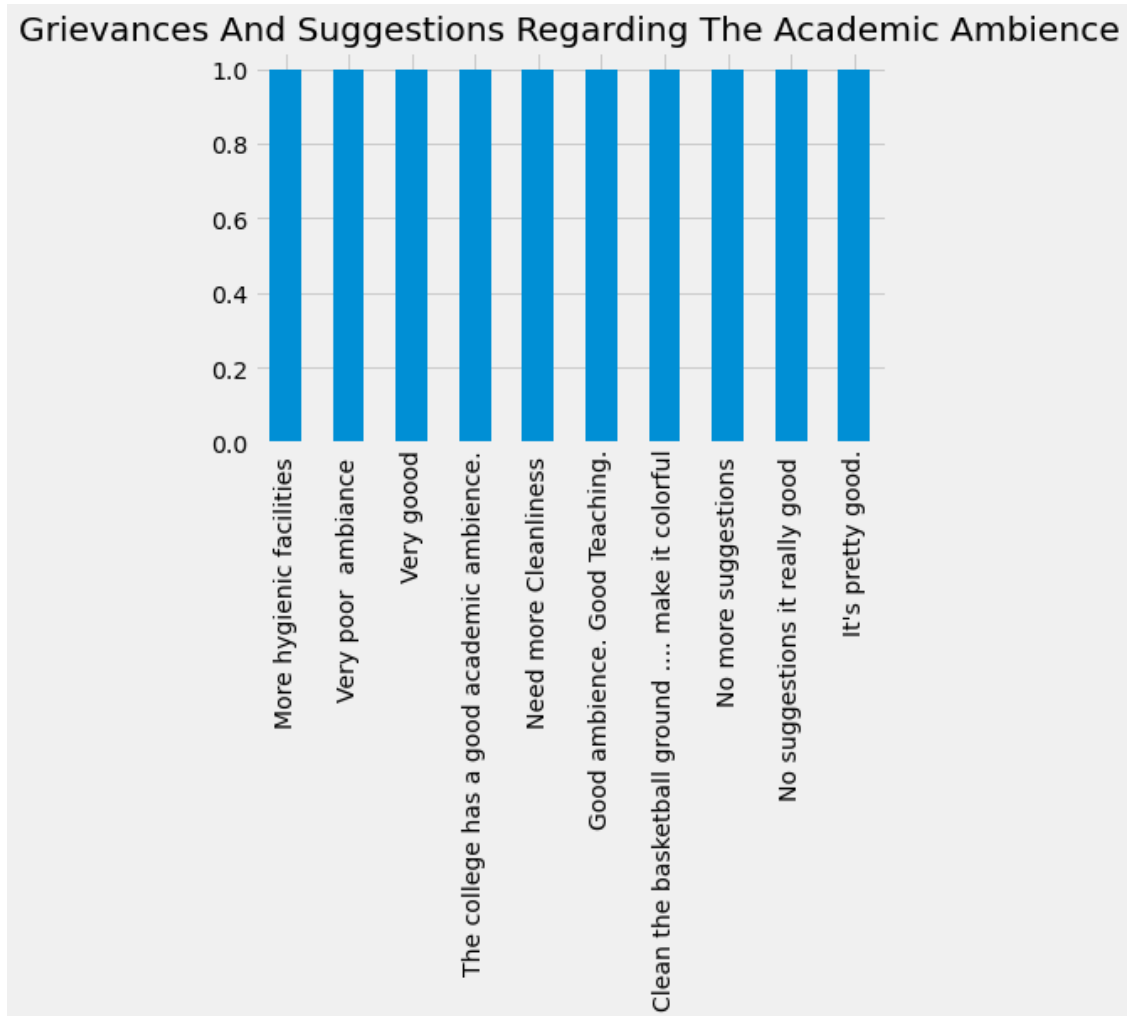# Grievances And Suggestions Regarding The Academic Ambience

Bar chart with the following x-axis labels (all bars at value 1.0):
- Teachers are hardworking. But classes are not happening regular.
- The ksu Union is Helled the college
- Improve Library facility
- More interactive activities, campus selection should provide
- Taking too fastly
- Provide much external activities, projects to students to improve their skills
- Poor lab facilities
- Not at all friendly.
- The campus should organise each and everything in a better way
- It would be great if the management can maintain the vintage ambience of the college rather than modernising the campus

[63]: `b[160:170].plot(kind="bar",title= "grievances and suggestions regarding the`
`↪academic ambience".title());`

Grievances And Suggestions Regarding The Academic Ambience

[66]: `b[170:180].plot(kind="bar",title= "grievances and suggestions regarding the`
`↪academic ambience".title());`
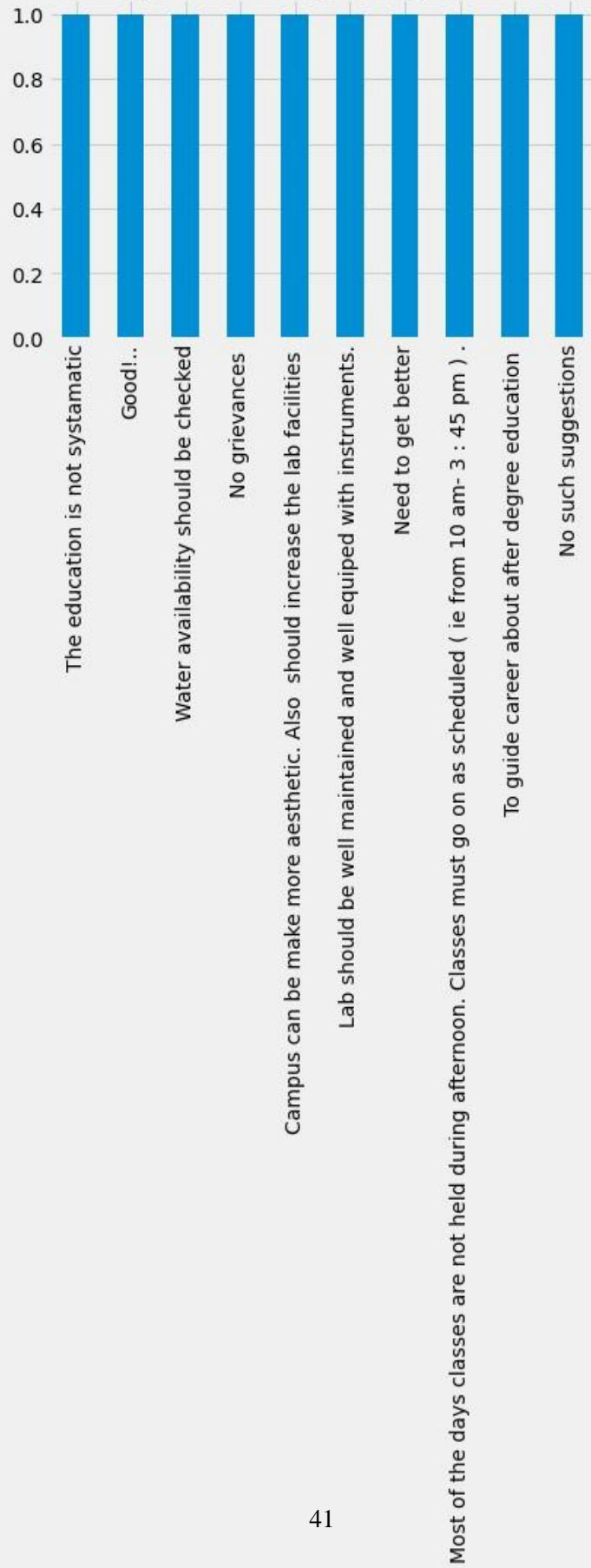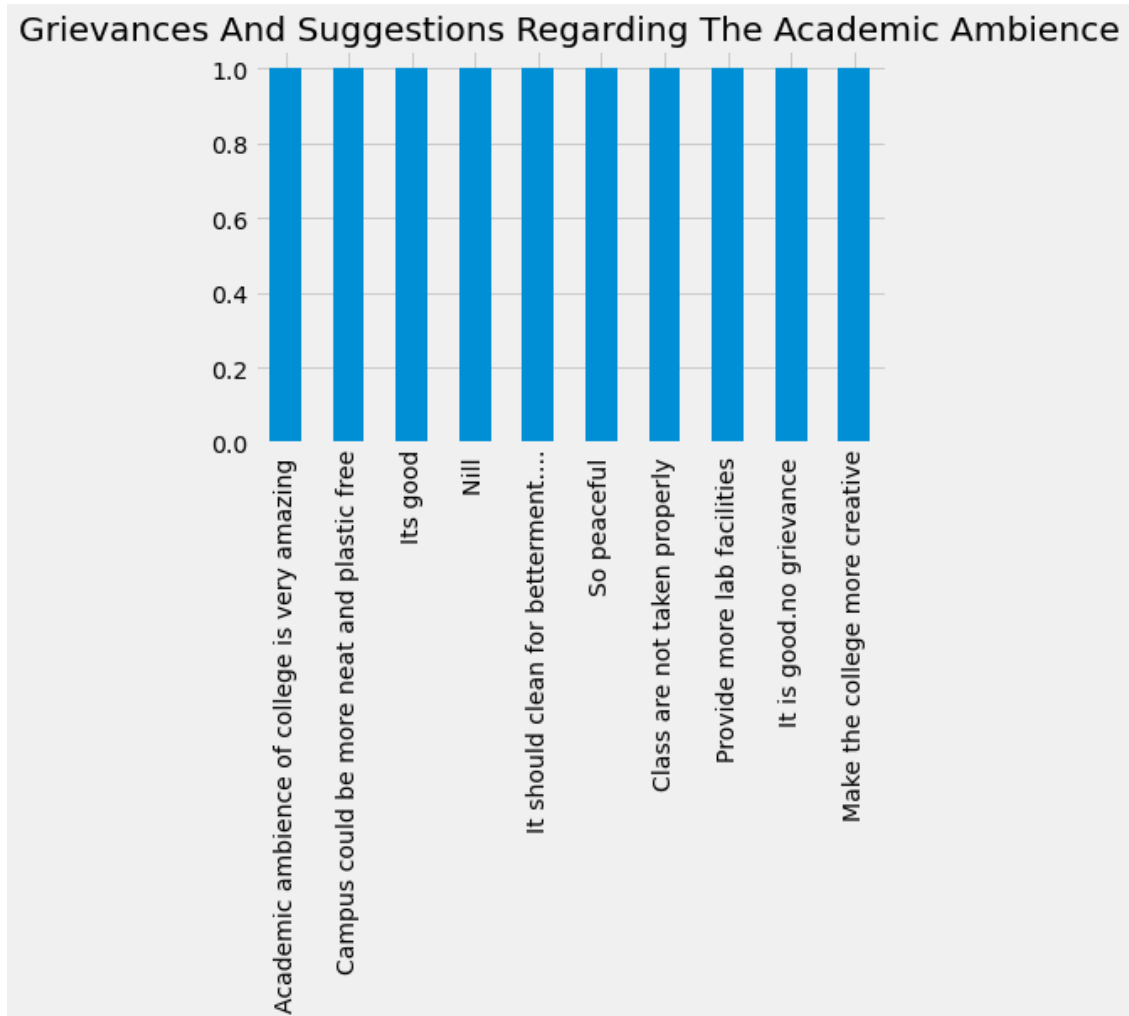
Grievances And Suggestions Regarding The Academic Ambience

The education is not systamatic

Good!...

Water availability should be checked

No grievances

Campus can be make more aesthetic. Also should increase the lab facilities

Lab should be well maintained and well equiped with instruments.

Need to get better

Most of the days classes are not held during afternoon. Classes must go on as scheduled (ie from 10 am- 3 : 45 pm) .

To guide career about after degree education

No such suggestions

41

```
[67]: b[180:190].plot(kind="bar",title= "grievances and suggestions regarding the␣
      ↪academic ambience".title());
```
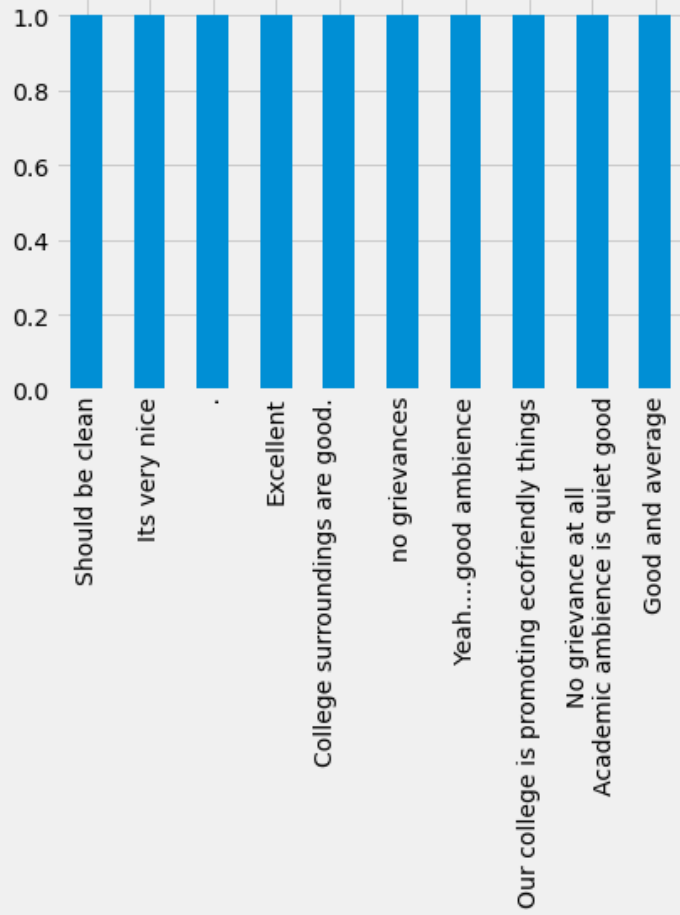
Grievances And Suggestions Regarding The Academic Ambience


```
[72]: b[190:].plot(kind="bar",title= "grievances and suggestions regarding the␣
      ↪academic ambience".title());
```

Grievances And Suggestions Regarding The Academic Ambience

[ ]:
[ ]:
[ ]:
[ ]:
[ ]:

Feedback Analysis
Parents

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

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

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

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

```
[4]: Index(['Timestamp', 'Email address', 'Name of the parent',
            'Occupation of the parent', 'Address for communication',
            'Mobile number', 'Name of the ward', 'Programme', 'Semester',
            'Department in which the student is studying',
            'Does the institute hold Parent-Teacher meetings to inform about the
     student's performance and attendance?',
            'Does the institute conduct any program for the student's personality,
     employability and life skill development?',
            'How do you rate the quality of teaching offered by the institution?',
            'How do you rate the student discipline in the institution?',
            'Kindly note down your suggestions for improving the campus discipline.',
            'How do you rate the teaching and learning environment in the
     institution?',
            'How do you rate the library and learning facilities in the
     institution?',
            'What are your suggestions for the overall improvement of the
     institution?'],
           dtype='object')
```

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

```
[5]: Timestamp
     0
     Email address
     0
     Name of the parent
     0
```

```
Occupation of the parent
0
Address for communication
0
Mobile number
0
Name of the ward
0
Programme
0
Semester
0
Department in which the student is studying
0
Does the institute hold Parent-Teacher meetings to inform about the student's
performance and attendance?           0
Does the institute conduct any program for the student's personality,
employability and life skill development?    0
How do you rate the quality of teaching offered by the institution?
0
How do you rate the student discipline in the institution?
0
Kindly note down your suggestions for improving the campus discipline.
1
How do you rate the teaching and learning environment in the institution?
0
How do you rate the library and learning facilities in the institution?
0
What are your suggestions for the overall improvement of the institution?
1
dtype: int64
```

[7]: `students.groupby(['Programme'],axis = 0).count().iloc[:,0:1]`

[7]:
```
            Timestamp
Programme
BA                108
BCom               35
BSc                70
BVoc                1
MA                 13
MSc                18
```

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

[11]:
```
Department in which the student is studying
Biochemistry
```

Does the institute hold Parent-Teacher meetings to inform about the student's performance and attendance?   Yes
Does the institute conduct any program for the student's personality, employability and life skill development?   No
How do you rate the quality of teaching offered by the institution?
Good
How do you rate the student discipline in the institution?
Very Good
Kindly note down your suggestions for improving the campus discipline.
No suggestions
How do you rate the teaching and learning environment in the institution?
Very Good
How do you rate the library and learning facilities in the institution?
Excellent
What are your suggestions for the overall improvement of the institution?
No suggestions
Name: 0, dtype: object

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

```
[14]: a1=students.iloc[:,9].value_counts()
      a1
```

```
[14]: Economics                                  53
      Microbiology (UG)                          34
      Commerce                                   34
      History                                    34
      English                                    22
      Chemistry                                  12
      Zoology                                     9
      Hindi                                       8
      Statistics                                  8
      Environmental Science and Management        7
      Sanskrit                                    6
      Microbiology (PG)                           6
      Mathematics                                 4
      Physics                                     3
      Biochemistry                                3
      Botany                                      2
      Name: Department in which the student is studying, dtype: int64
```

```
[15]: 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()
```

Department In Which The Student Is Studying
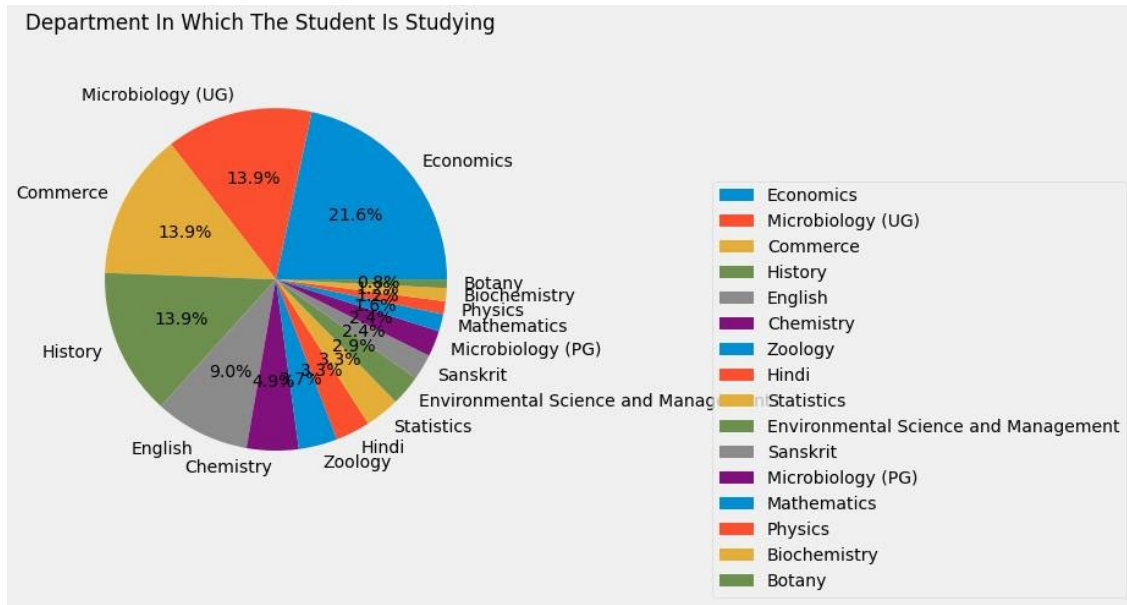
```
[16]: a2=students.iloc[:,10].value_counts()
      a2
```

```
[16]: Yes     231
      No       14
      Name: Does the institute hold Parent-Teacher meetings to inform about the
      student's performance and attendance?, dtype: int64
```
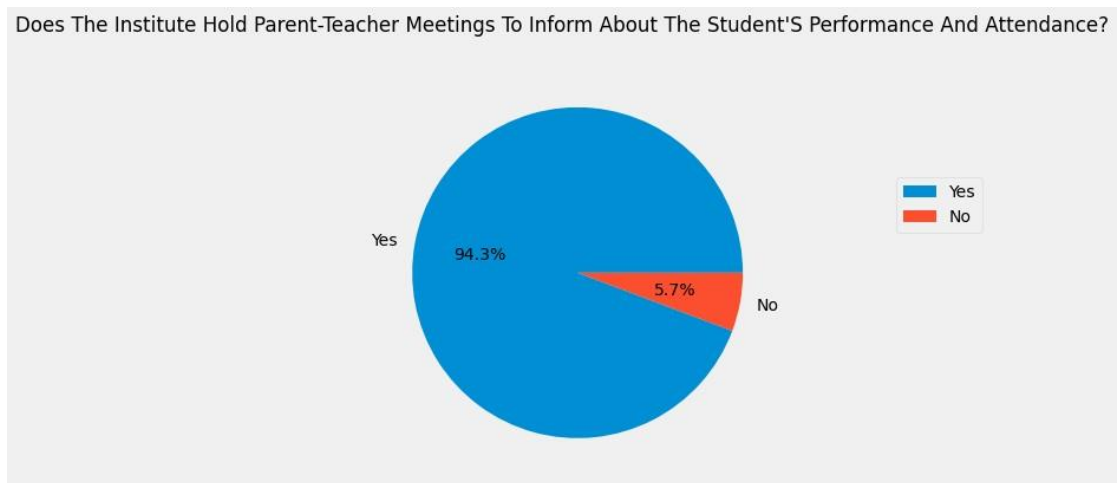
```
[17]: plt.figure( figsize=(12,6))
      plt.suptitle(a2.name.title())
      a2.plot(kind="pie",autopct='%3.1f%%',ylabel="")
      plt.legend( bbox_to_anchor=(1.5, 0.75))
      plt.show()
```


Does The Institute Hold Parent-Teacher Meetings To Inform About The Student'S Performance And Attendance?
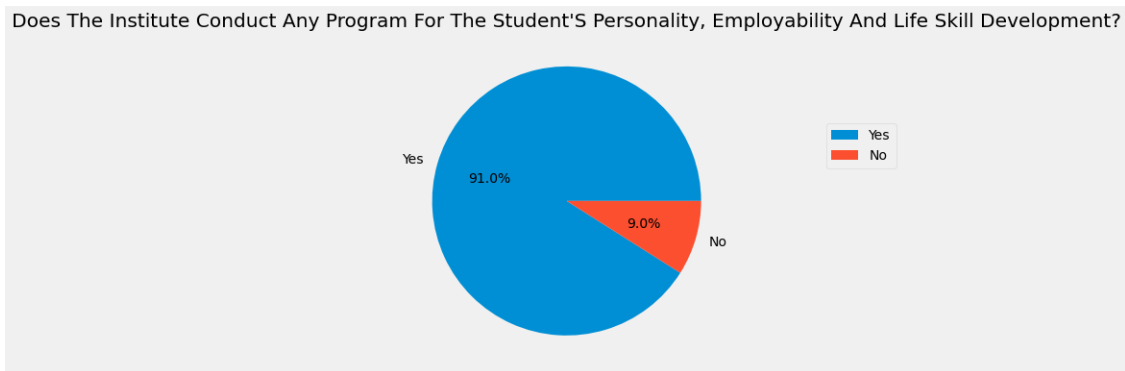
```
[24]: a3=students.iloc[:,11].value_counts()
      a3
```

```
[24]: Yes    223
      No      22
      Name: Does the institute conduct any program for the student's personality,
      employability and life skill development?, dtype: int64
```

```
[ ]:
```

```
[25]: 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()
```



```
[26]: a4=students.iloc[:,12].value_counts()
      a4
```

```
[26]: Good           110
      Very Good      110
      Satisfactory    25
      Name: How do you rate the quality of teaching offered by the institution?,
      dtype: int64
```

```
[27]: 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()
```

How Do You Rate The Quality Of Teaching Offered By The Institution?


```
[ ]:
```

```
[28]: a5=students.iloc[:,13].value_counts()

      a5
```

```
[28]: Very Good         88
      Good              83
      Excellent         52
      Satisfactory      15
      Not Satisfactory   7
      Name: How do you rate the student discipline in the institution?, dtype: int64
```

```
[29]: 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()
```
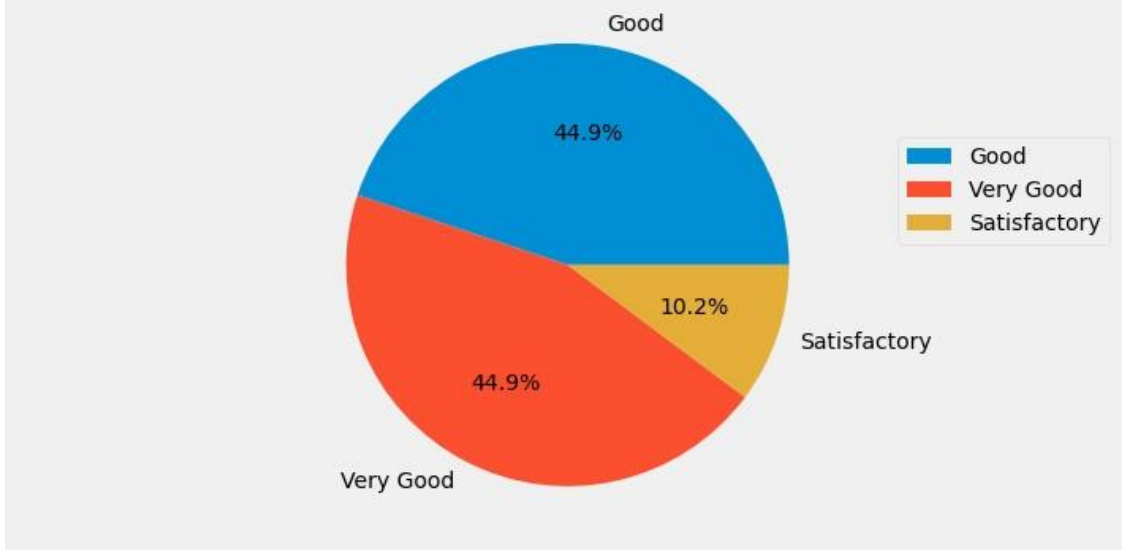
How Do You Rate The Student Discipline In The Institution?


```
[30]: a6=students.iloc[:,14].value_counts()
      #a6.index=["Excellent","Very   Good","Good","Satisfactory","Poor"]
      a6
```

```
[30]: Nil                    20
      Nothing                17
      Nothing                13
      .                      12
      No                      7
                             ..
      Excellent               1
      More strict             1
      -                       1
      Little more strict      1
      All most fine           1
      Name: Kindly note down your suggestions for improving the campus discipline.,
      Length: 163, dtype: int64
```

```
[31]: a7=students.iloc[:,15].value_counts()
      a7
```
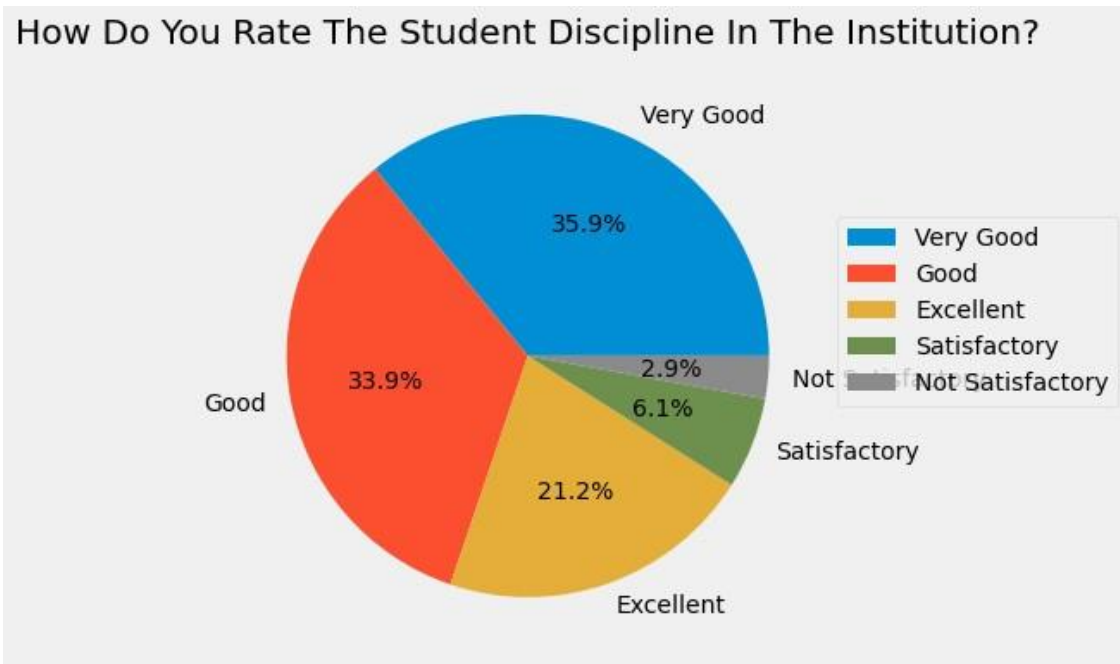
```
[31]: Very Good          84
      Good               74
      Excellent          69
      Satisfactory       17
      Not Satisfactory    1
```

Name: How do you rate the teaching and learning environment in the institution?,
dtype: int64

```
[32]: 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()
```


How Do You Rate The Teaching And Learning Environment In The Institution?
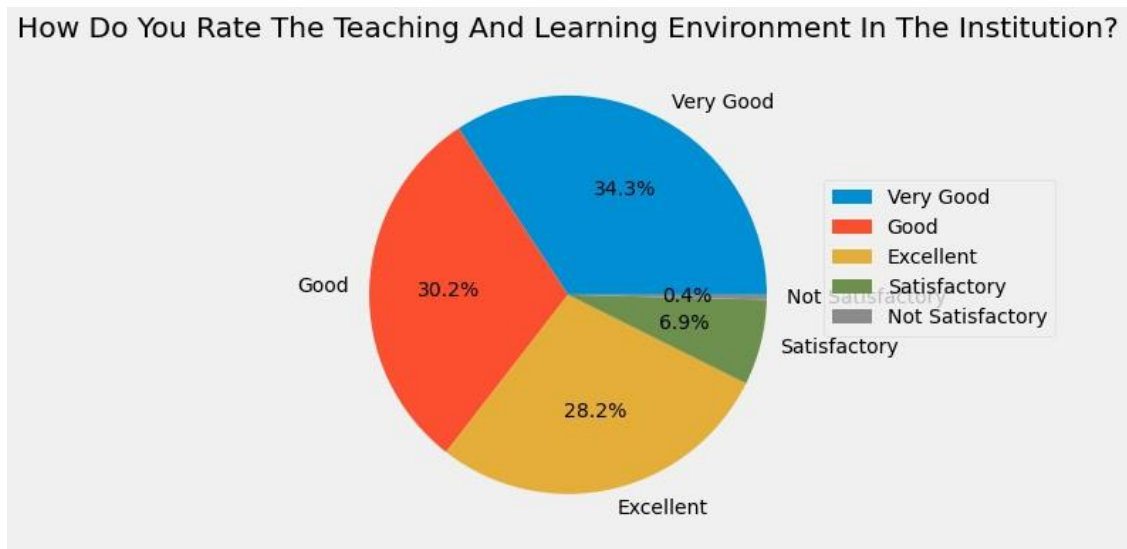
```
[33]: a8=students.iloc[:,16].value_counts()
      a8
```

```
[33]: Very Good           83
      Excellent           79
      Good                58
      Satisfactory        19
      Not Satisfactory     6
      Name: How do you rate the library and learning facilities in the institution?,
      dtype: int64
```

```
[34]: plt.figure( figsize=(12,6))
      a8.plot(kind= "pie",title= a8.name.title(),autopct='%3.1f%%',ylabel="")
      plt.legend( bbox_to_anchor=(1.5, 0.75))
      plt.show()
```

How Do You Rate The Library And Learning Facilities In The Institution?


```
[35]: a9=students.iloc[:,17].value_counts()

      a9
```
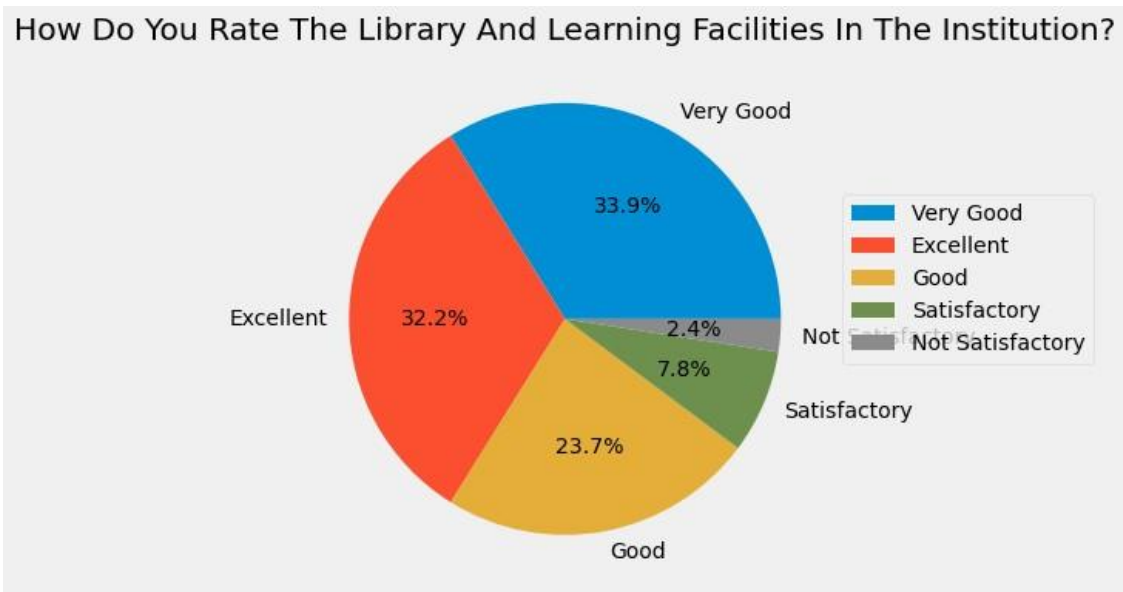
```
[35]: Nil                                                      19
      Nothing                                                  19
      Good                                                     16
      .                                                        11
      No suggestions                                            7
                                                               ..
      Nill                                                      1
      Give skill development courses to students.              1
      -                                                         1
      Very nice ??                                              1
      Classrooms and college surrounding should be clean        1
      Name: What are your suggestions for the overall improvement of the institution?,
      Length: 152, dtype: int64
```

```
[ ]:
```

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

```
[38]: a[-1]
```

```
[38]: 'What are your suggestions for the overall improvement of the institution?'
```

```
[39]: b=students.iloc[:,-1].value_counts()
```

[59]: `b[:10].plot(kind="bar",title= a[-1].title());`

What Are Your Suggestions For The Overall Improvement Of The Institution?

[61]: `b[10:20].plot(kind="bar",title= a[-1].title());`

What Are Your Suggestions For The Overall Improvement Of The Institution?

```
b[20:30].plot(kind="bar",title= a[-1].title());
```

What Are Your Suggestions For The Overall Improvement Of The Institution?

```
[63]: b[30:40].plot(kind="bar",title= a[-1].title());
```

12

What Are Your Suggestions For The Overall Improvement Of The Institution?

```
[64]: b[40:50].plot(kind="bar",title= a[-1].title());
```

What Are Your Suggestions For The Overall Improvement Of The Institution?


```
[65]: b[50:60].plot(kind="bar",title= a[-1].title());
```

What Are Your Suggestions For The Overall Improvement Of The Institution?

There is no any other suggestions.Very eco-friendly campus.

Very good improvement

Improve library facility and discipline

Improve the teaching

The campus is overall good in academics and other activities

Can improve the campus.the s block building ventillation is not good .can you please do maintainance in that building

Incorporate tech in administrative process, school transportation will be appreciated, more cafeterias should be promoted, Please dont limit the functioning of cells like innovative cells etc. Merely within photos and posters,

Courses on Web .03, AI, blockchain, big data etc.. Need to be encouraged..

More disciplinary rules(student friendly) . Ensure active involvement of students in various clubs and skill development seminars.

It is ok now

It would be easy for the students if you can arrange toilet facility near T block

15

[66]: `b[60:70].plot(kind="bar", title= a[-1].title());`

What Are Your Suggestions For The Overall Improvement Of The Institution?

[67]: `b[70:80].plot(kind="bar", title= a[-1].title());`

What Are Your Suggestions For The Overall Improvement Of The Institution?

```
[68]: b[80:90].plot(kind="bar",title= a[-1].title());
```

What Are Your Suggestions For The Overall Improvement Of The Institution?

Use more technologies in teaching.

Strict

Please clean the campus

The campus should be little more clean ,so that it can provide student friendly environment for studying.

I don't have any

* To plan and organise students
* Resolve issues from the beginning.
* Establish proper procedures.
* Explain the rules.
* Make your class interactive.
Awesome

Try to more better

Spacious classrooms with requisite furniture, boards, electrical fittings like lights and fans.,Listen to the students It is important to get student opinion to improve reputation.
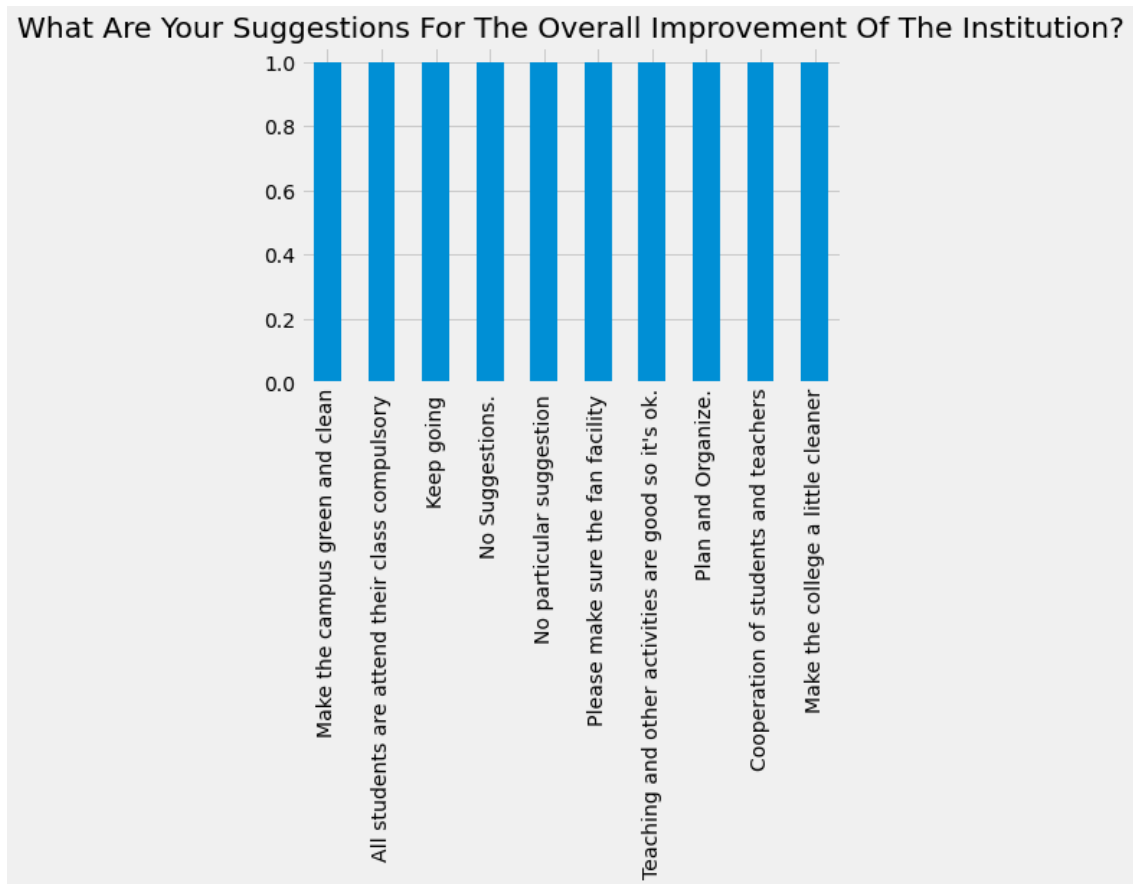
```
[69]: b[90:100].plot(kind="bar",title= a[-1].title());
```

What Are Your Suggestions For The Overall Improvement Of The Institution?

`b[100:110].plot(kind="bar",title= a[-1].title());`

What Are Your Suggestions For The Overall Improvement Of The Institution?

`b[110:120].plot(kind="bar",title= a[-1].title());`

20

What Are Your Suggestions For The Overall Improvement Of The Institution?
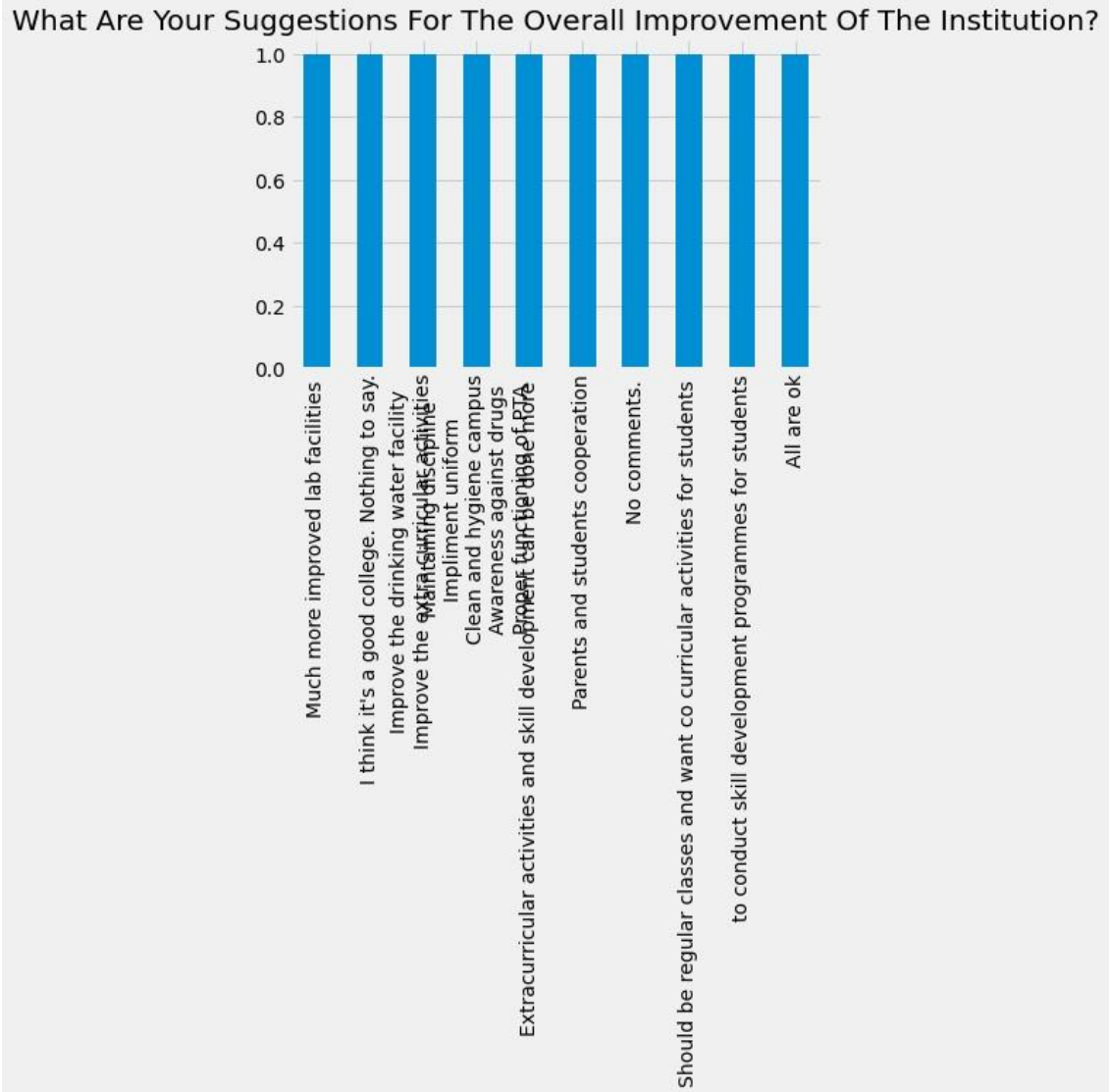
```
[72]: b[120:130].plot(kind="bar",title= a[-1].title());
```

What Are Your Suggestions For The Overall Improvement Of The Institution?

```
[73]: b[130:140].plot(kind="bar",title= a[-1].title());
```
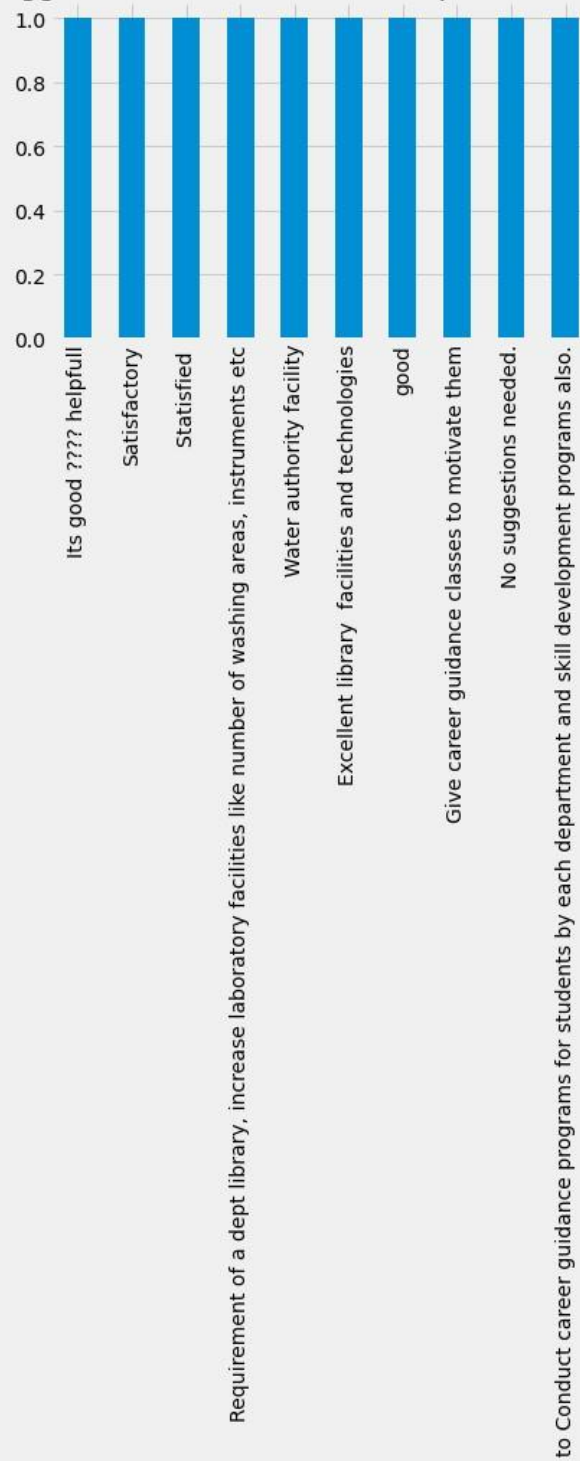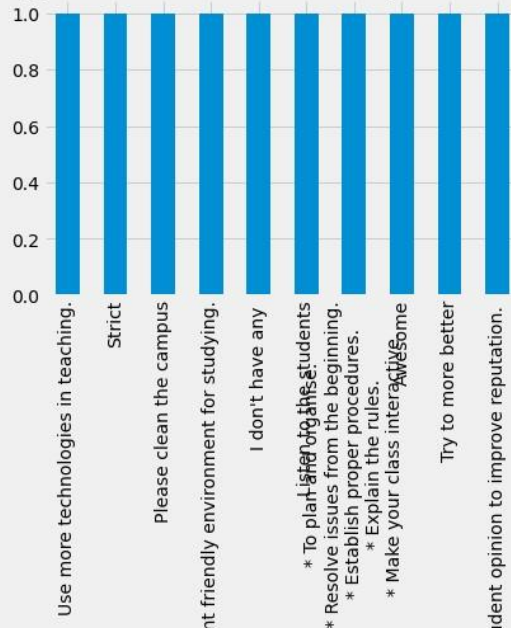
What Are Your Suggestions For The Overall Improvement Of The Institution?

Gave more awarness classes

Satisfied

Satisfied.No suggestion

Need good infrastructure

Needed help and encouragement for the students in their studies and in cultural activities

Overall it's very good

Our drinking water facilities are too bad. Its not well. Students are drinking water in this cooler. So please improve this situation of our cooler.

Overall the campus is providing good education and is including many co curricular activities which benefits the students...make sure that every student comes up.

:

technological improvement

```
[74]: b[140:150].plot(kind="bar",title= a[-1].title());
```

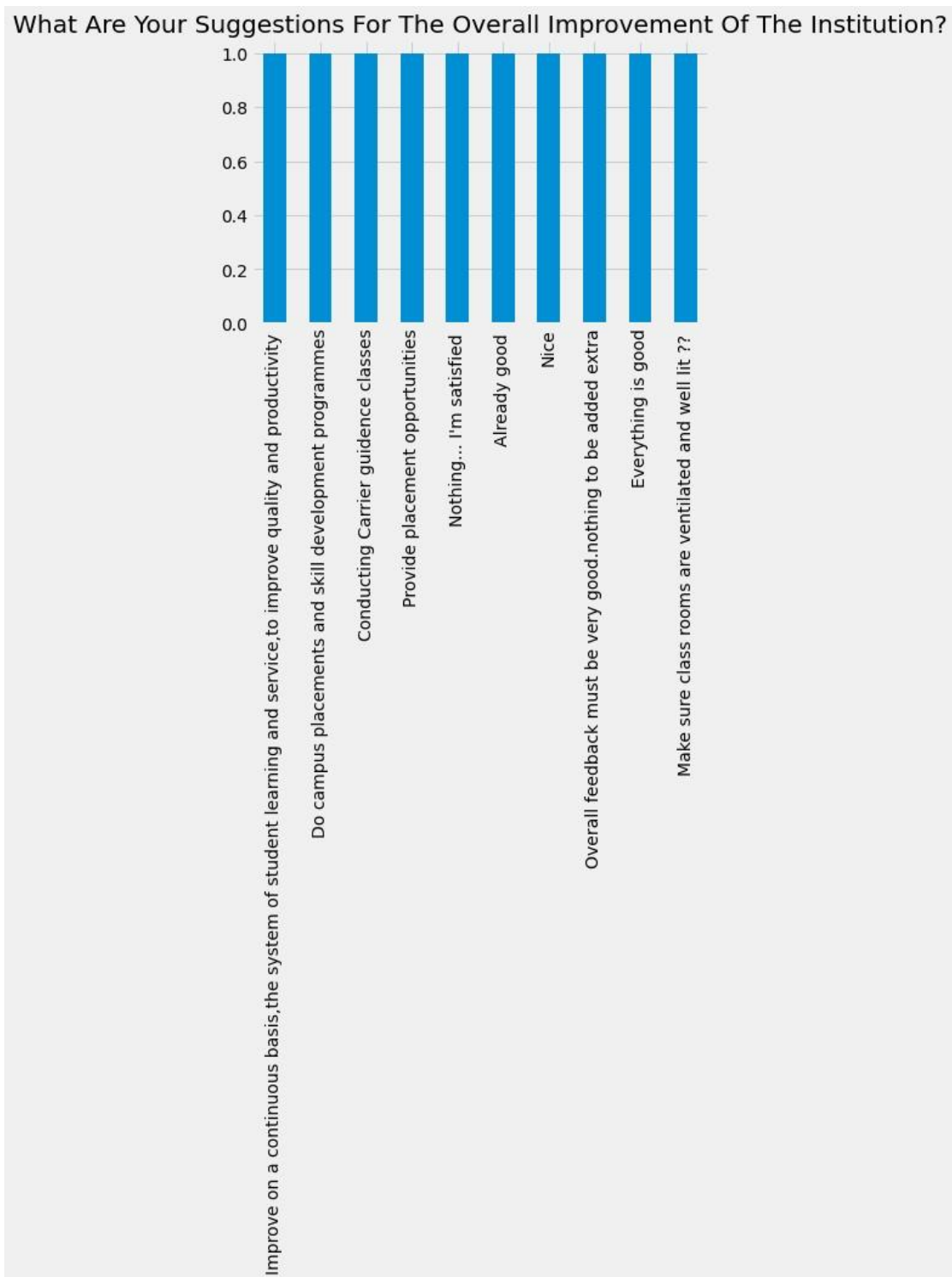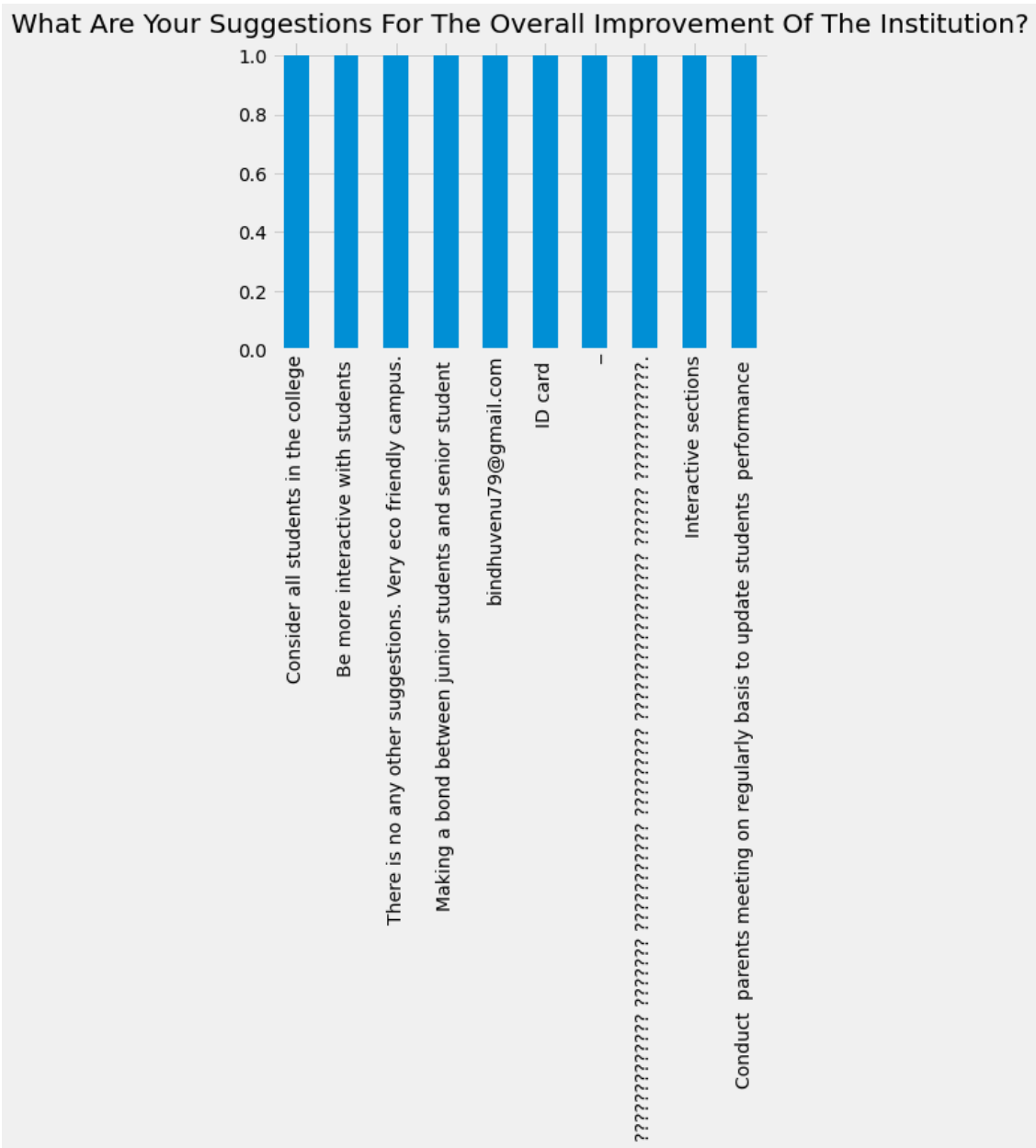## What Are Your Suggestions For The Overall Improvement Of The Institution?

Bar chart categories (x-axis labels):
- To be in a good student
- Being student friendly.
- Grant autonomous status for the institution.
- Drug free campus. Conduct personality development class
- The dates of internal tests should be announced sufficiently earlier, giving enough time for the students to prepare for the test. The time of online classes, if any, should be announced sufficiently earlier.
- Not at all
- Clean campus
- Nill
- Give skill development courses to students.
- '

```
[77]: b[150:155].plot(kind="bar",title= a[-1].title());
```

What Are Your Suggestions For The Overall Improvement Of The Institution?
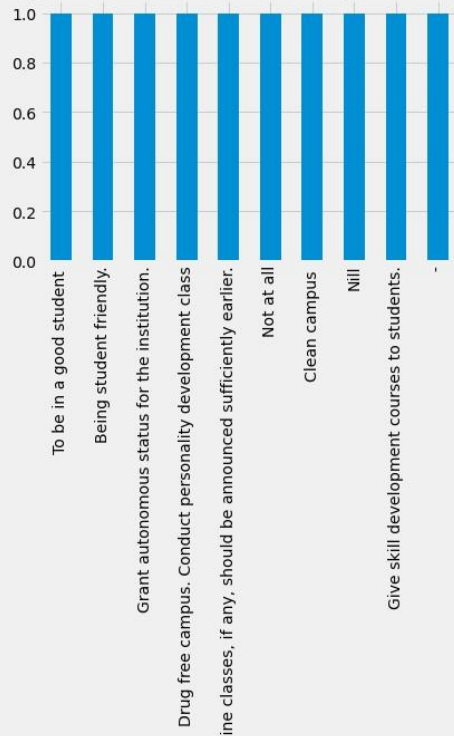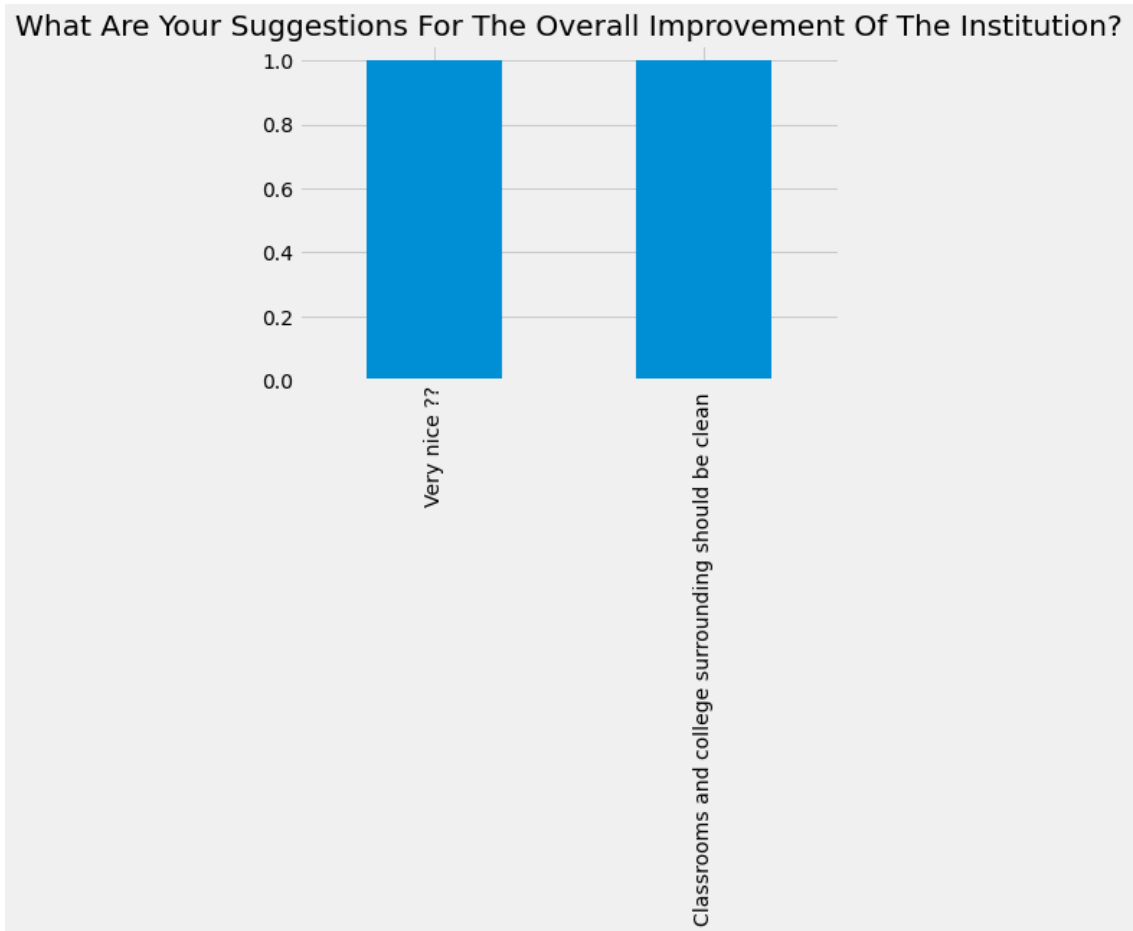


```
[ ]:
```

```
[ ]:
```

feedBackAnalysisAlumni

September 17, 2023

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

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

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

```python
[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')
```

```python
[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?\n
     0
     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
```

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

```
[6]:                                            Timestamp
     Which was your main subject (department)?
     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
```

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

```
[7]: 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
```

[8]:
```python
dic = {1:"Excellent",2:"Very Good",3:"Good",4:"Satisfactory",5:"Poor"}
```

[9]:
```python
a1=students.iloc[:,5].value_counts()
a1
```

[9]:
```
Physics                            36
Environment Science and Management 18
Mathematics                        17
Commerce                           15
Statistics                          6
BVoc                                6
Biochemistry                        5
Hindi                               5
Biotechnology                       5
Economics                           5
Microbiology (PG)                   3
Microbiology (UG)                   2
Name: Which was your main subject (department)?, dtype: int64
```

[10]:
```python
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()
```

Which Was Your Main Subject (Department)?
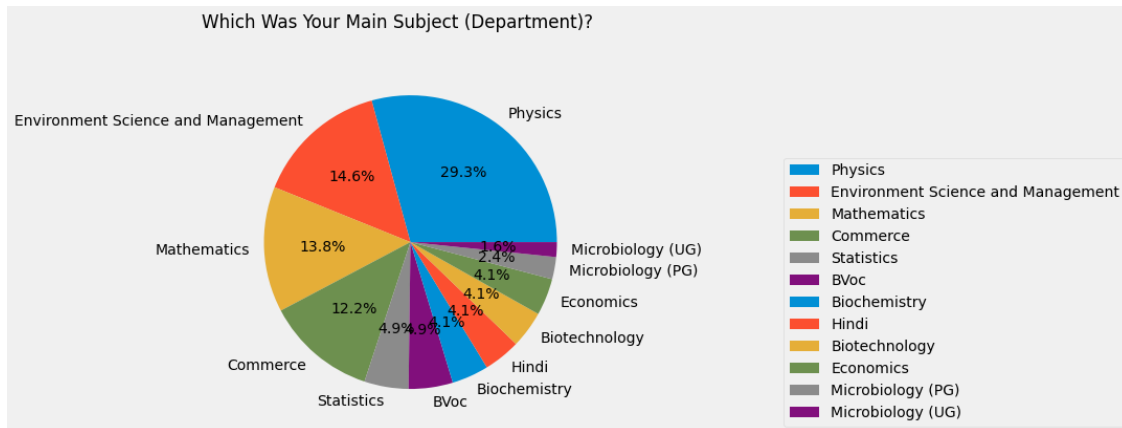
```
[11]:  a2=students.iloc[:,7].value_counts()
       a2
```

```
[11]:  Yes      93
       No       30
       Name: Are you updated on the developments and other news of the college?, dtype:
       int64
```
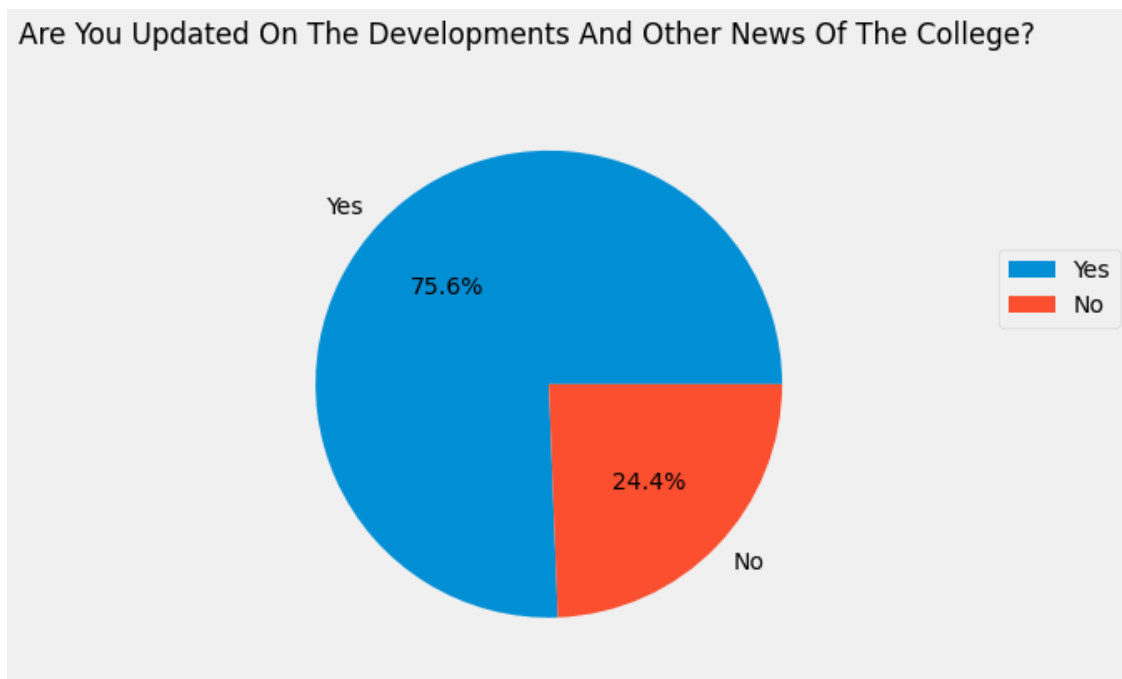
```
[12]:  plt.figure( figsize=(12,6))
       plt. suptitle(a2.name.title())
       a2.plot(kind= "pie",autopct='%3.1f%%',ylabel="")
       plt.legend( bbox_to_anchor=(1.5, 0.75))
       plt.show()
```


Are You Updated On The Developments And Other News Of The College?

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

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

```
[14]: 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()
```


Are You In Contact With Your Batchmates?
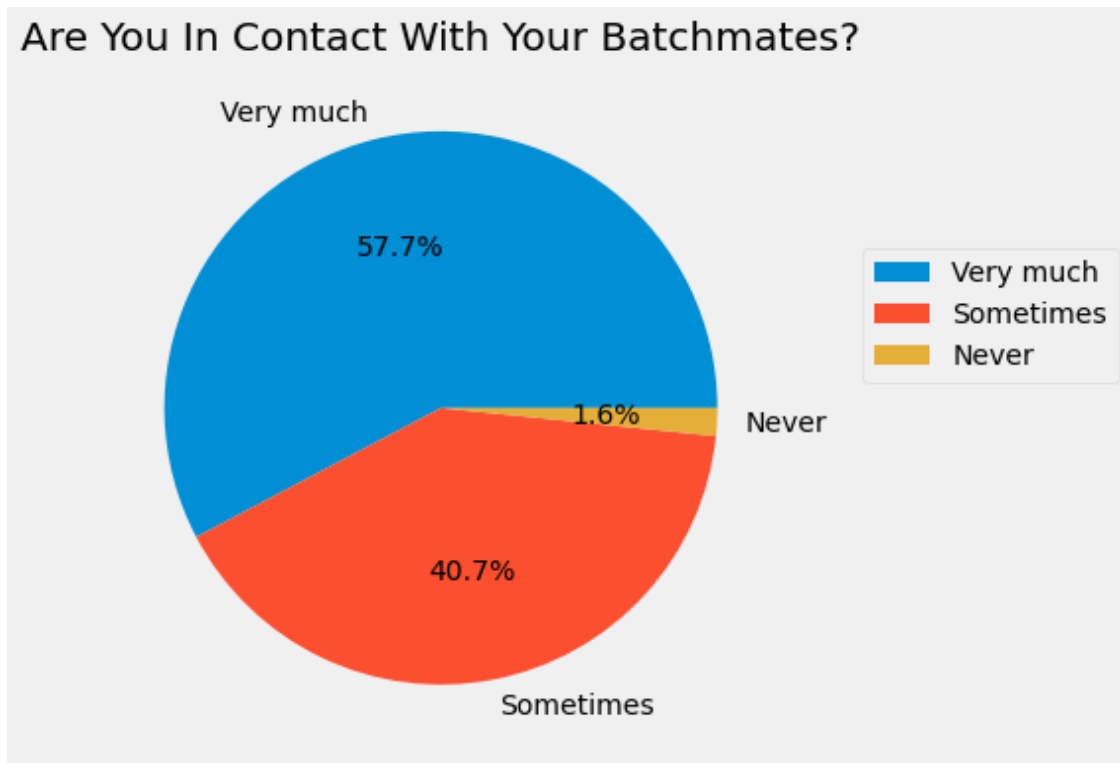
```
[15]: a4=students.iloc[:,9].value_counts()
      a4
```

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

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

```python
[16]: 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()
```



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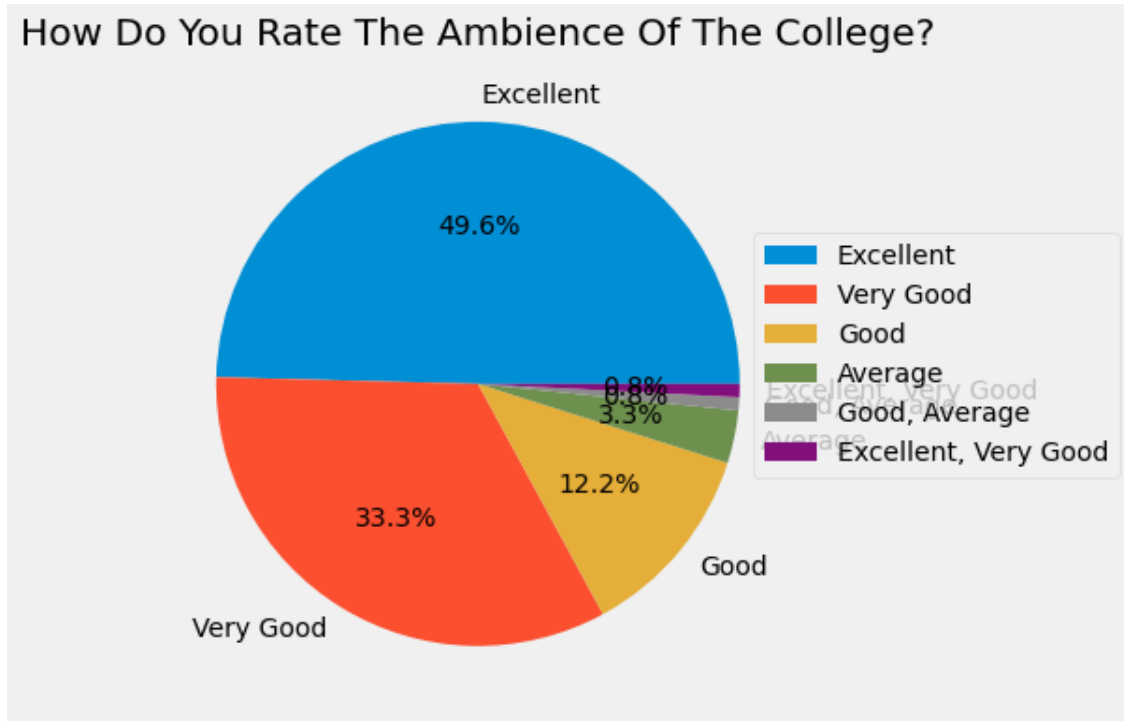
```python
[17]: a5=students.iloc[:,10].value_counts()

      a5
```

```
[17]: 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
```

```python
[18]: 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()
```


How Do You Value The Level Of Infrastructure In The College?

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

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

```
[20]: 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()
```

8

How Do You Rate The Placement Activities Of The College?


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

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

```
[ ]:
```

```
[22]: 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()
```
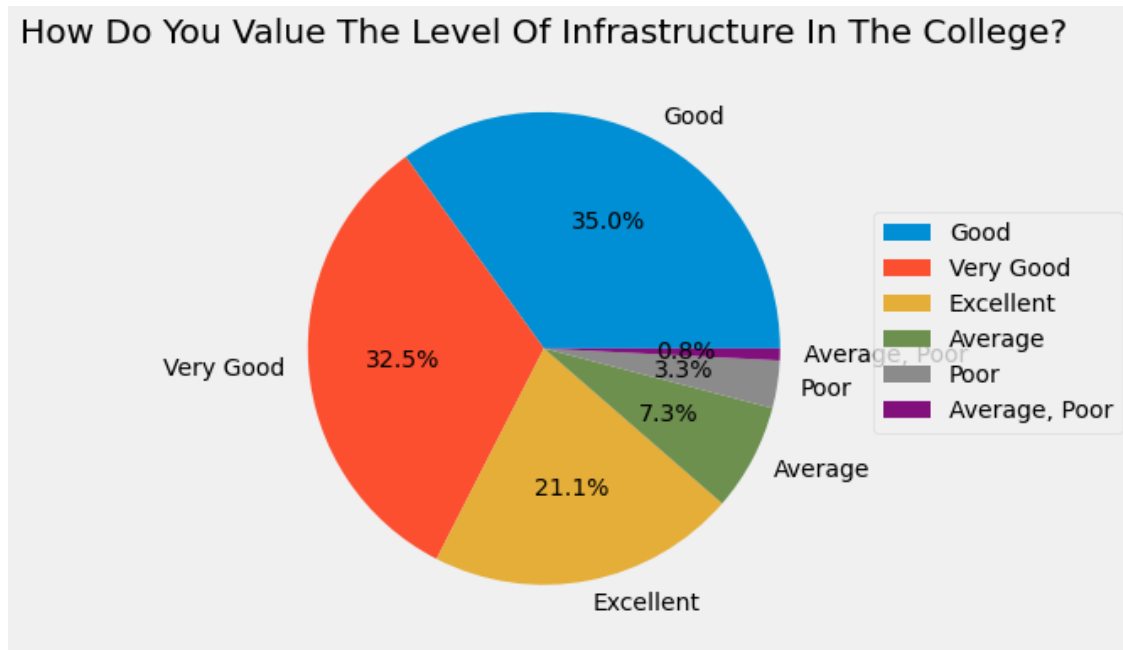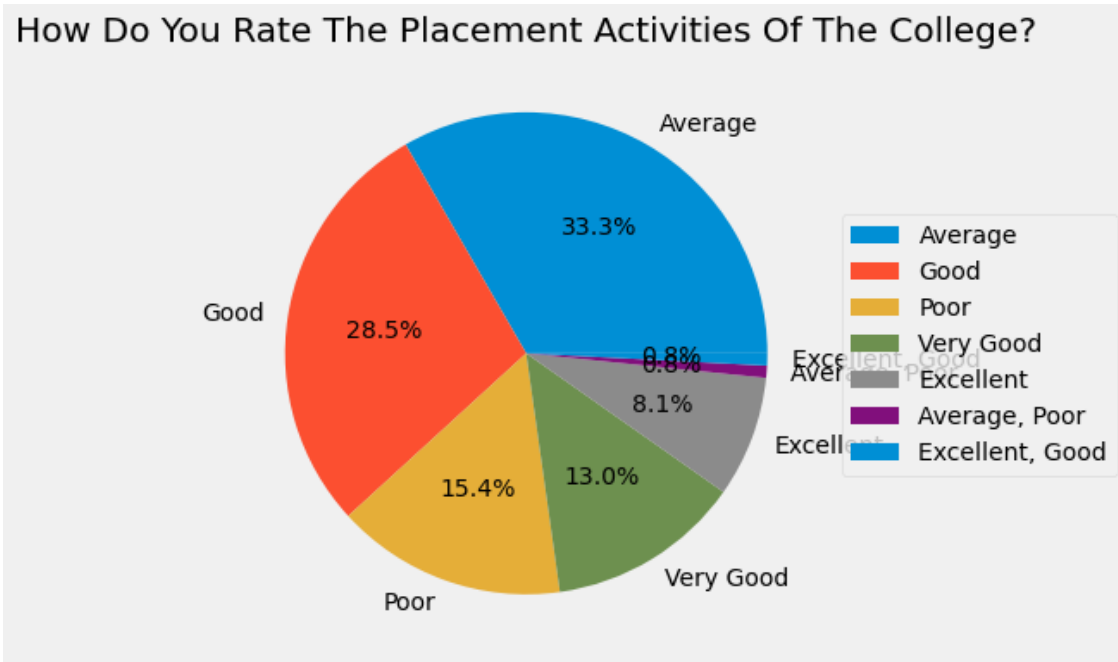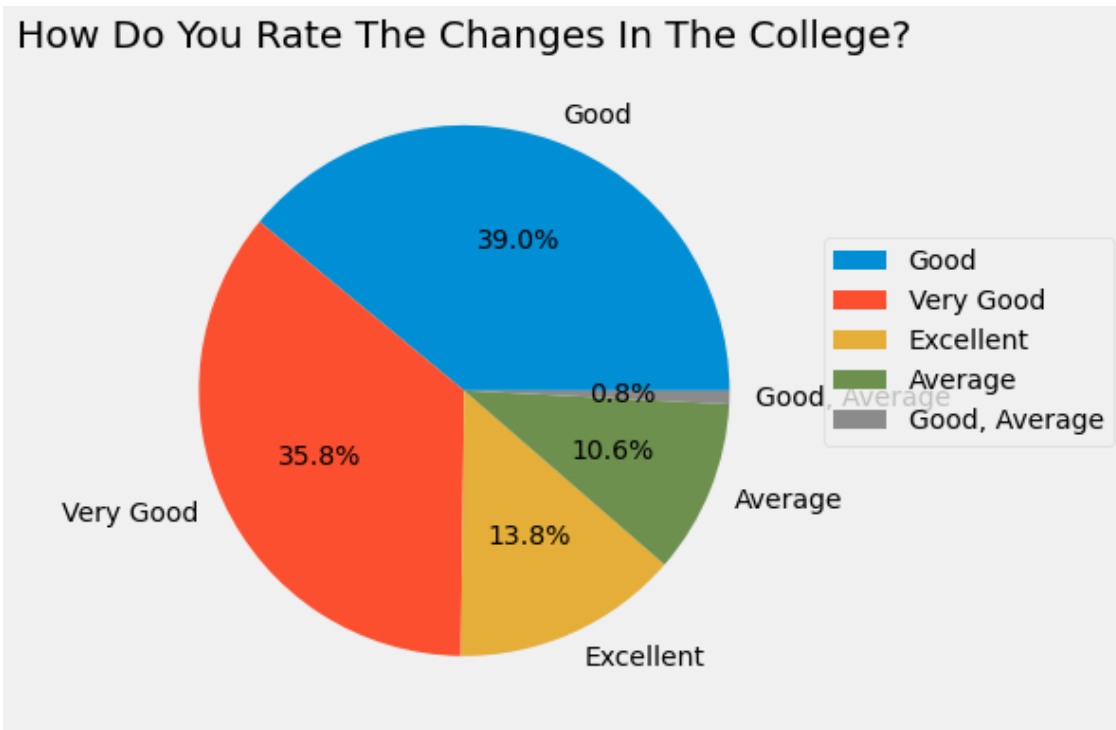
How Do You Rate The Changes In The College?

Good

39.0%

0.8% Good, Average

10.6%

35.8%

Average

Very Good

13.8%

Excellent

Legend:
- Good
- Very Good
- Excellent
- Average
- Good, Average

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

```
[23]: Teachers                                    13
      Students                                     8
      Students                                     5
      Faculty                                      3
      Faculties                                    2
                                                  ..
      Good faculties and Library                   1
      Lab facility                                 1
      Teaching quality\n Campus Life               1
      Closely knit teacher student relationships   1
      Faculty                                      1
      Name: What do you think is the greatest Strength of the campus?, Length: 95,
      dtype: int64
```

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

```
[24]: Nothing                                     10
      Nil                                          6
      Politics                                     5
      Nothing                                      4
```

```
Lack of placement                              3
                                              ..
Lack of a better comfort station for girls     1
Facilities of the laboratory                   1
Political riots                                1
Classroom infrastructure                       1
Lack of infrastructure                         1
Name: What do you think is the major weakness of the campus?, Length: 94, dtype:
int64
```

[25]:
```
a10=students.iloc[:,15].value_counts()
a10
```

[25]:
```
Option 1               12
Good teachers           3
Freedom                 3
Friendship              2
Placement               2
                       ..
Na                      1
Fest                    1
Learning atmosphere     1
Friendship              1
Exposure                1
Name: What do you think is the greatest opportunity of the campus?, Length: 103,
dtype: int64
```

[26]:
```
a11=students.iloc[:,16].value_counts()
a11
```

[26]:
```
Nothing                                                   7
Nil                                                       5
Nothing                                                   3
Placement                                                 2
No comments                                               2
                                                         ..
Exams                                                     1
Nothing as far                                            1
Lack of  space for recreational and leisure time activities   1
Party strikes                                             1
Lack of placement offers                                  1
Name: What do you think is the greatest challenge of the campus?, Length: 101,
dtype: int64
```

[27]:
```
a12=students.iloc[:,17].value_counts()
a12
```

```
[27]: Nothing
      3
      Nil
      2
      Water supply and electricity
      1
      Nothing
      1
      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.      1
                  ..
      Bring more changes in infrastructure facilities and services to the students
      1
      Teachers should intract with students much more smoothly.
      1
      Adding more course
      1
      Introduce more courses
      1
      Placement   cell
      1
      Name: Whar are your suggestions for the improvement of the college?, Length: 62,
      dtype: int64
```

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

```
[28]: Degree                                     8
      MSc                                        8
      Msc                                        6
      Degree                                     4
      Bsc                                        4
                                                ..
      Post MSc diploma in medical physics       1
      Msc Statistics                            1
      MSc biochemistry                          1
      Degree graduated                          1
      Msc physics                               1
      Name: What is your highest educational qualification?, Length: 84, dtype: int64
```

```
[29]: a14=students.iloc[:,19].value_counts()
      a14
```
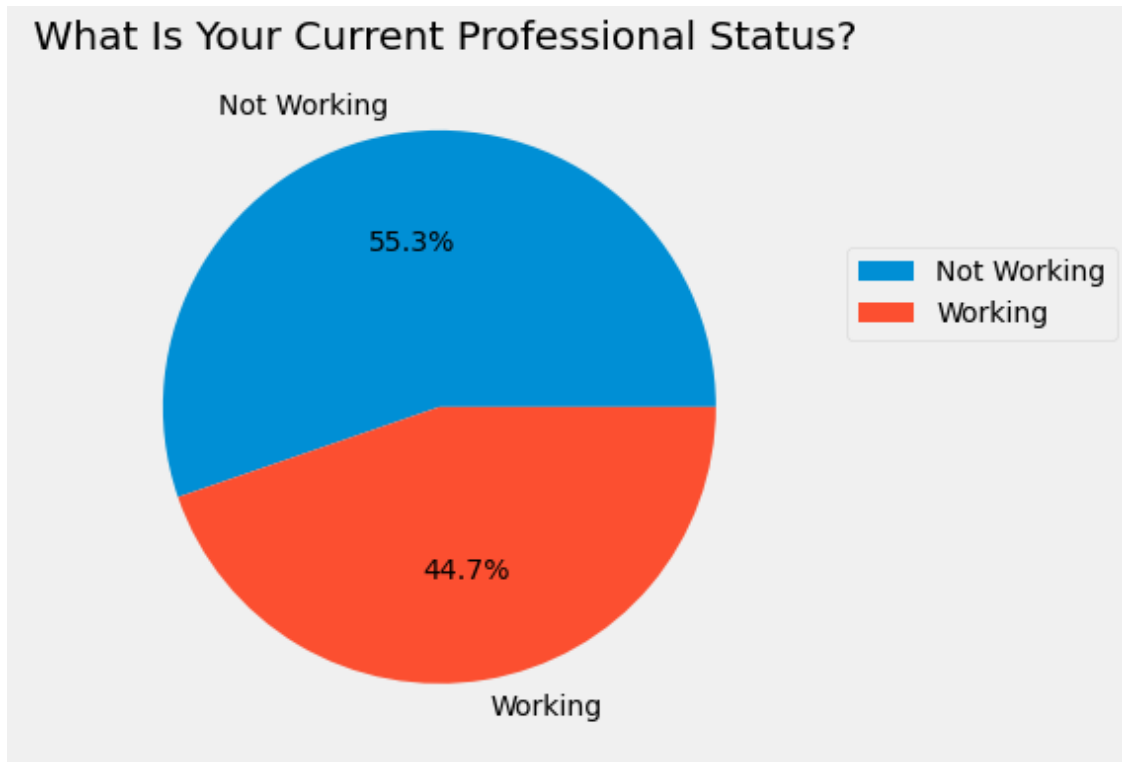
```
[29]: Not Working     68
      Working         55
```

Name: What is your current professional status?, dtype: int64

```
[30]: 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()
```

What Is Your Current Professional Status?

Not Working

55.3%

44.7%

Working

- Not Working
- Working

```
[ ]:
```

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

```
[31]: Not working                                         18
      Not working                                         13
      No                                                   7
      Nil                                                  7
      .                                                    2
                                                          ..
      Scientific Staff in Indian Navy                      1
      Office work                                          1
      Merchant Navy Officer in training                    1
      Assistant professor, indira gandhi collage, Nellikuzhy   1
```

Senior Research Fellow at Union Christian College Aluva   1
Name: If working kindly furnish the details, Length: 74, dtype: int64

[32]: ```
a16=students.iloc[:,21].value_counts()
a16
```

[32]: Nil
11
.
4
Nothing
3
Nill
2
No idea
2
                                        ..
Any kind of help
1
Can contribute
1
Can do promotional activities for the college like campus reel and videos..
1
Alumini Students can form an association and provide help to students who are
financially weak and help them.   1
Share positive feedbacks about the college to others
1
Name: How can you contribute (any mode of support) to the upliftment of the
college? , Length: 103, dtype: int64

[33]: ```
a17=students.iloc[:,22].value_counts()
a17
```

[33]: Nil                                                        18
.                                                           6
Nothing                                                     6
Nothing                                                     6
No comments                                                 4
                                                           ..
 No more suggestion                                         1
Campus maintenance has to be considered.                    1
Should improve college placements                           1
Give more certification and internships to students        1
Egane oru group stard cheythath prashamsaneeyamanu         1
Name: Comments and Suggestions, Length: 76, dtype: int64

[ ]:

```
[34]: a = students.columns
```
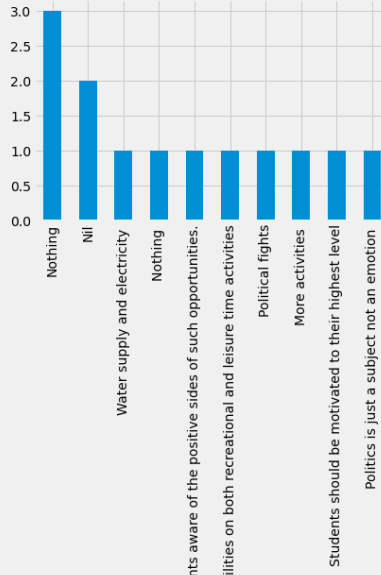
```
[35]: a[17]
```

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

```
[36]: n1 = 'What are your suggestions for the improvement of the college?'
```

```
[37]: b=students.iloc[:,17].value_counts()
```
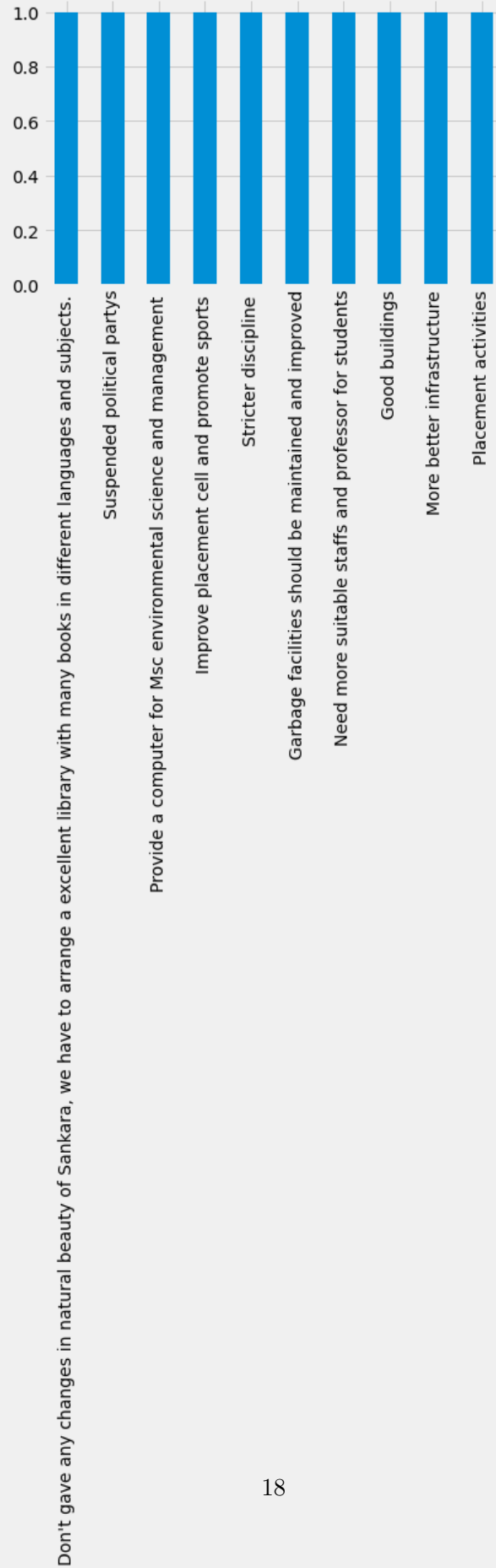
```
[38]: b[:10].plot(kind="bar",title= n1.title());
```

What Are Your Suggestions For The Improvement Of The College?

```
[39]: b[10:20].plot(kind="bar",title= n1.title());
```

What 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.

Suspended political partys

Provide a computer for Msc environmental science and management

Improve placement cell and promote sports

Stricter discipline

Garbage facilities should be maintained and improved

Need more suitable staffs and professor for students

Good buildings
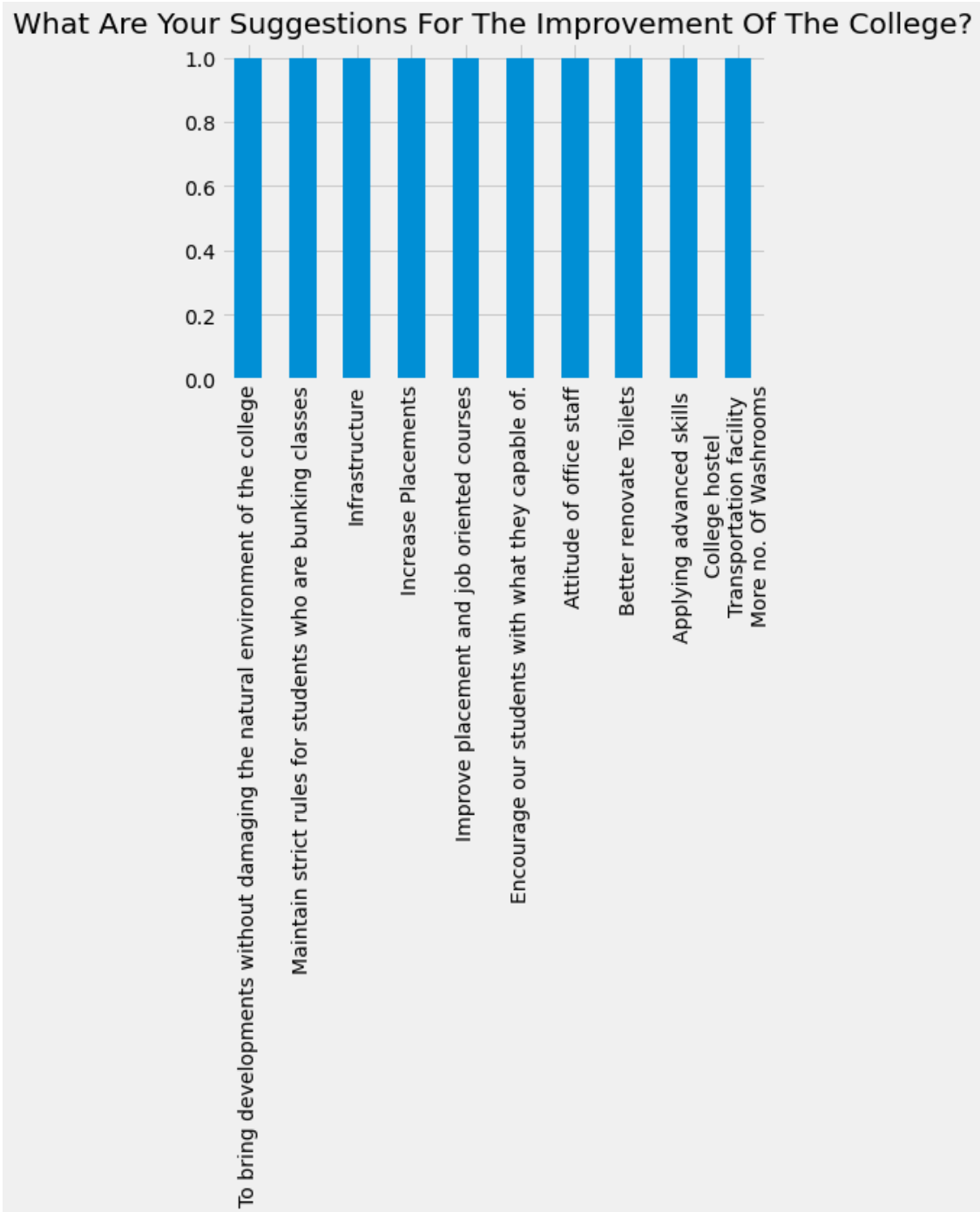
More better infrastructure

Placement activities

```
[40]: b[20:30].plot(kind="bar",title= n1.title());
```


What Are Your Suggestions For The Improvement Of The College?

```
[41]: b[30:40].plot(kind="bar",title= n1.title());
```

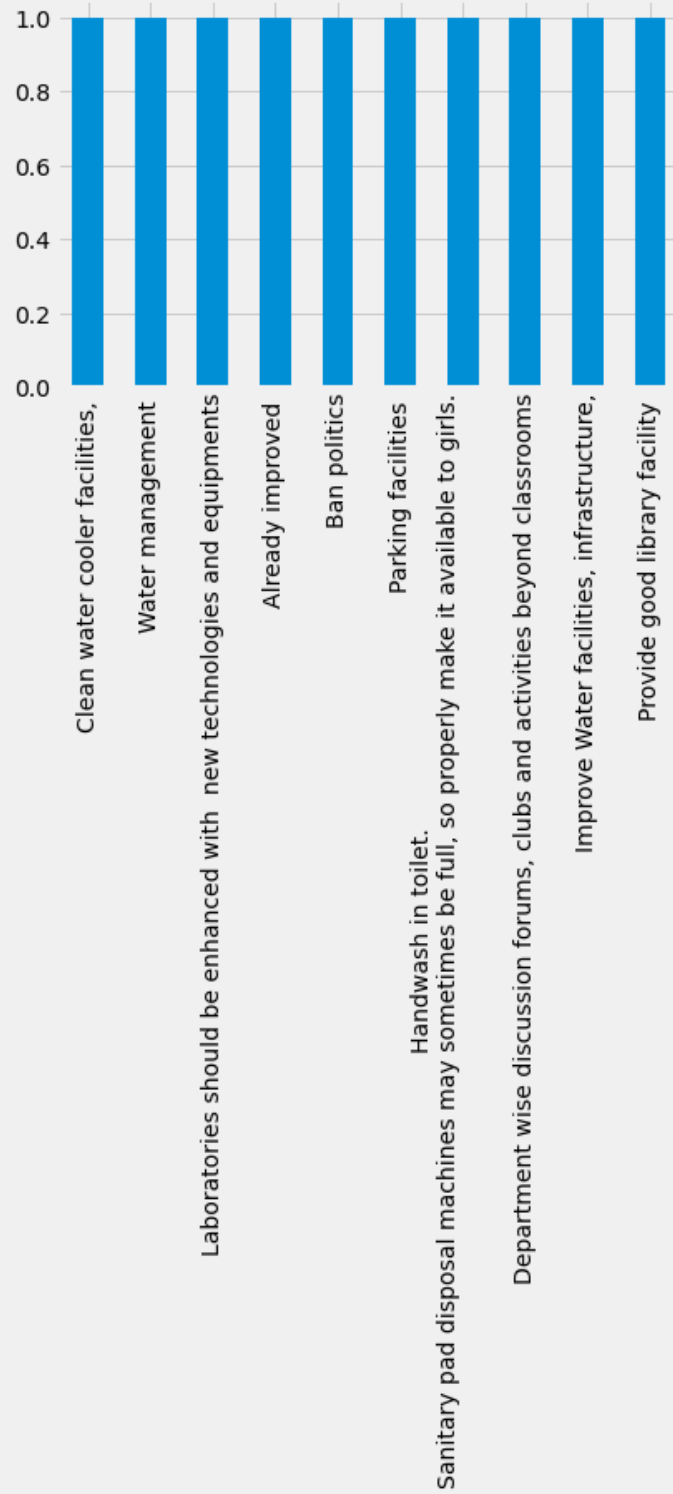What Are Your Suggestions For The Improvement Of The College?

Bars (left to right):
- Clean water cooler facilities,
- Water management
- Laboratories should be enhanced with new technologies and equipments
- Already improved
- Ban politics
- Parking facilities
- Handwash in toilet.
- Sanitary pad disposal machines may sometimes be full, so properly make it available to girls.
- Department wise discussion forums, clubs and activities beyond classrooms
- Improve Water facilities, infrastructure,
- Provide good library facility

[42]: `b[40:50].plot(kind="bar",title= n1.title());`

What Are Your Suggestions For The Improvement Of The College?

Every department including the teachers and the students must be treated with sufficient opportunities and dignity.

Better technologies

If possible introduce training programs on

1. Basic communication skills in clean campus

2. Job interview etiquette

3. Improvising confidence on interviews

4. How to answer common questions on interviews.

5. Ace performance on academic as well as cultural/sports events.

6. Basic knowledge and be strict with rules.

Help and prepare every student to land on a job at the earliest.

Make good facilities in laboratory

Placement drive

Should provide more opportunities and facilities for different programs

Hostel facilities should be improved.

More post graduation courses should be established especially mathematics.

Improve infrastructure

```
[43]: b[50:60].plot(kind="bar",title= n1.title());
```
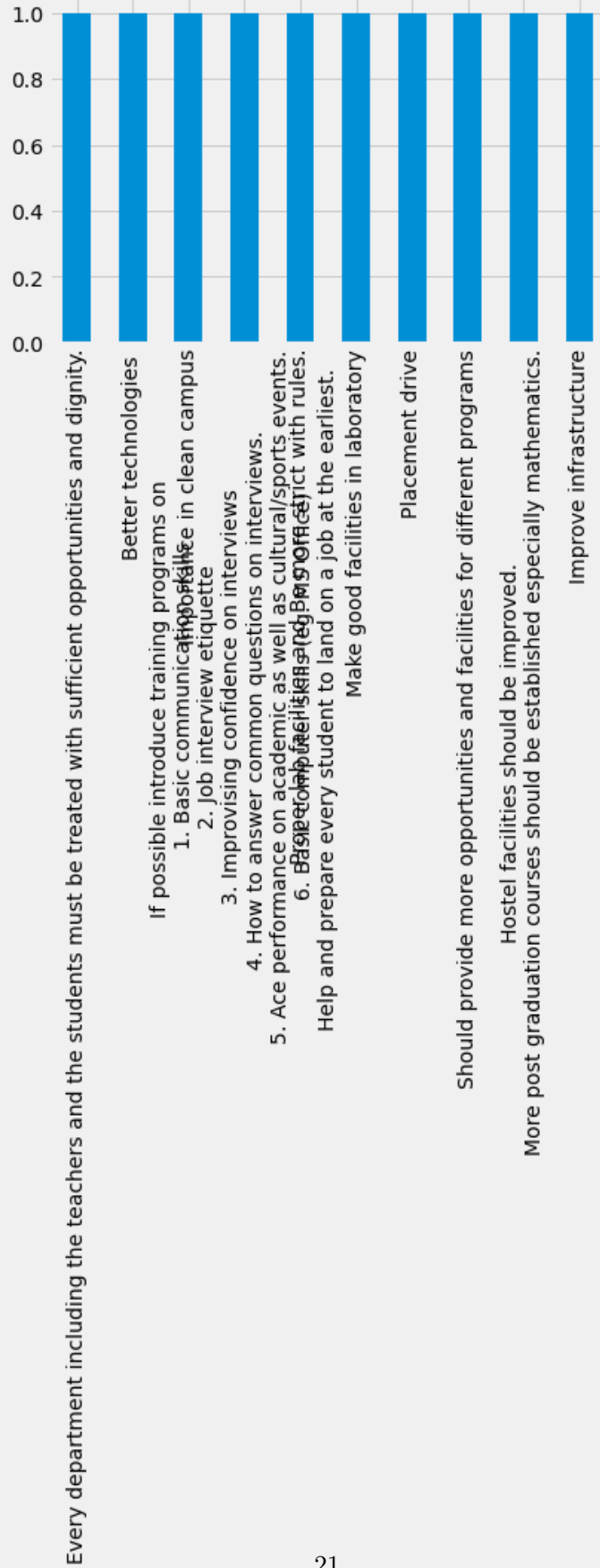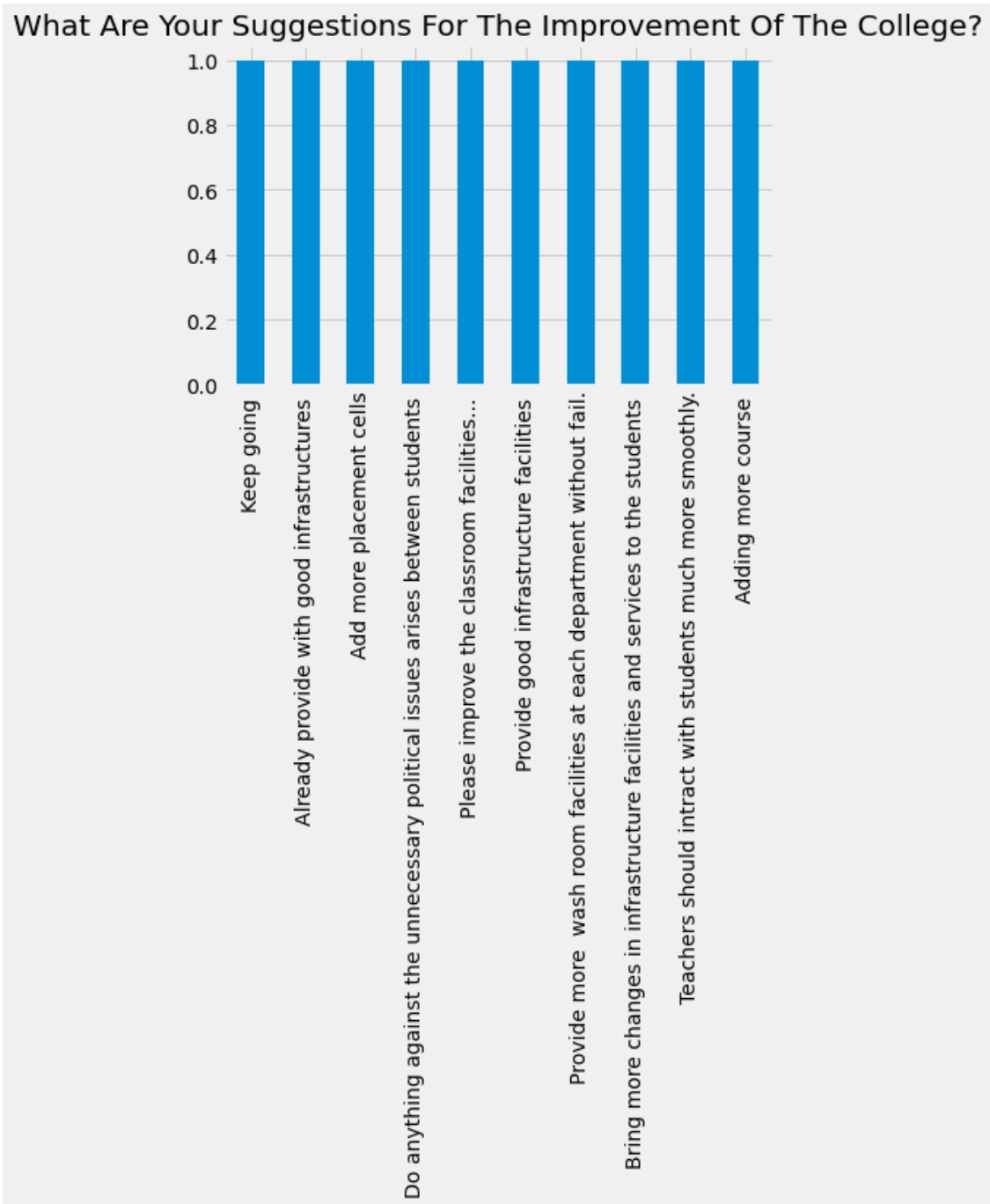
What Are Your Suggestions For The Improvement Of The College?


```
[44]: b[60:70].plot(kind="bar",title= n1.title());
```

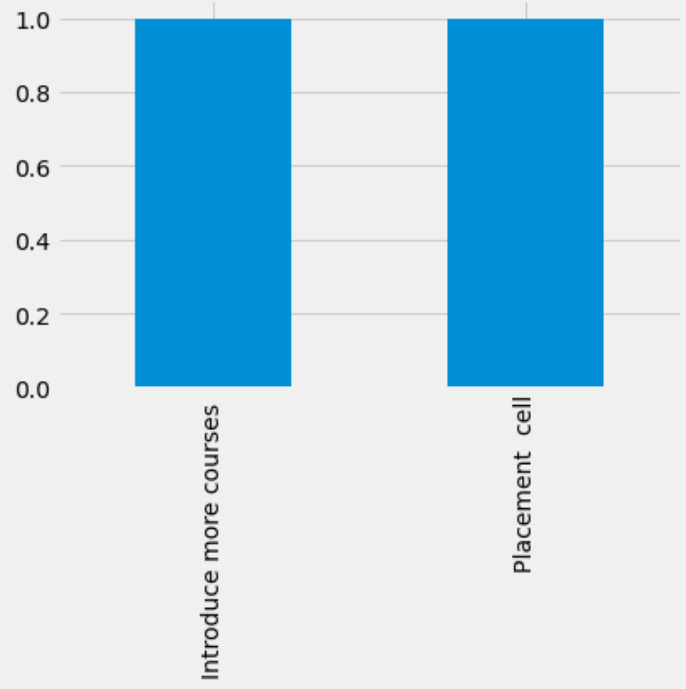## What Are Your Suggestions For The Improvement Of The College?


```
[ ]:
```

```
[ ]:
```