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 extr…

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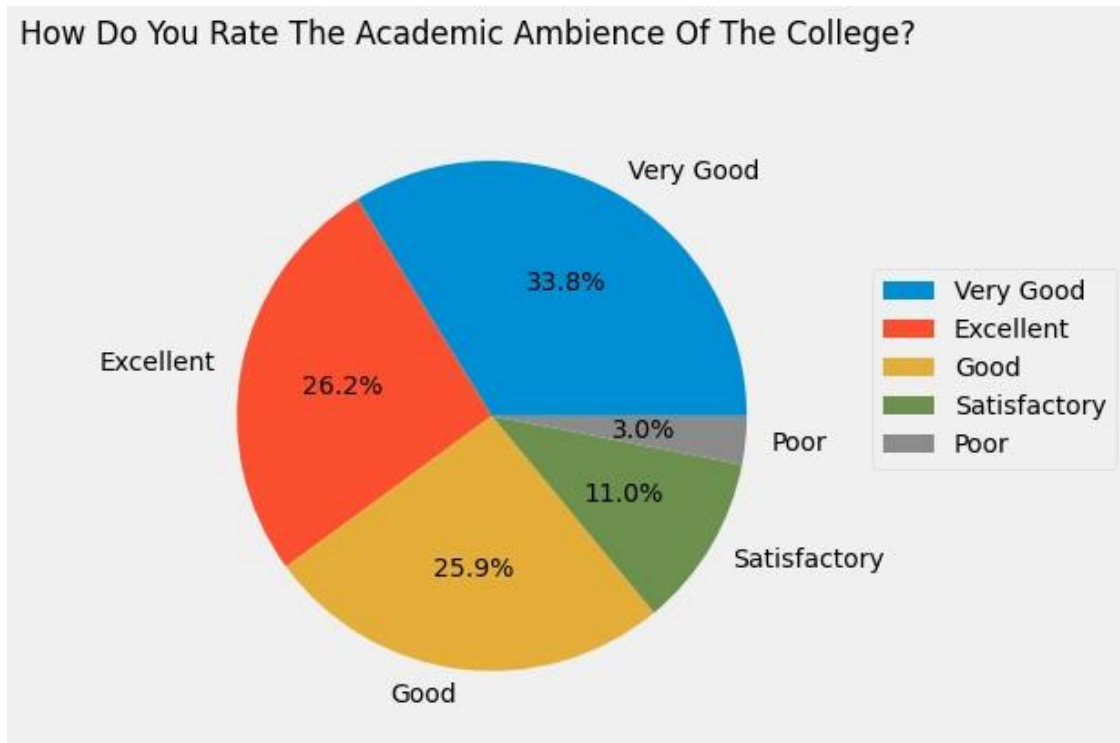
[16]:
```python
a1
```

[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
```

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

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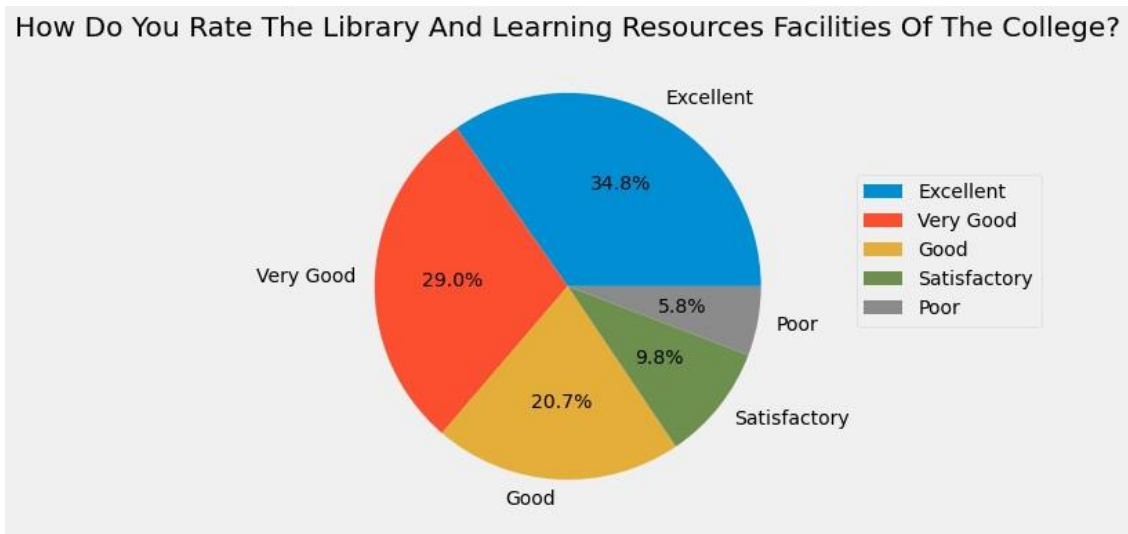

[20]:
```
a4=students.iloc[:,9].value_counts()
a4
```

[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()
```
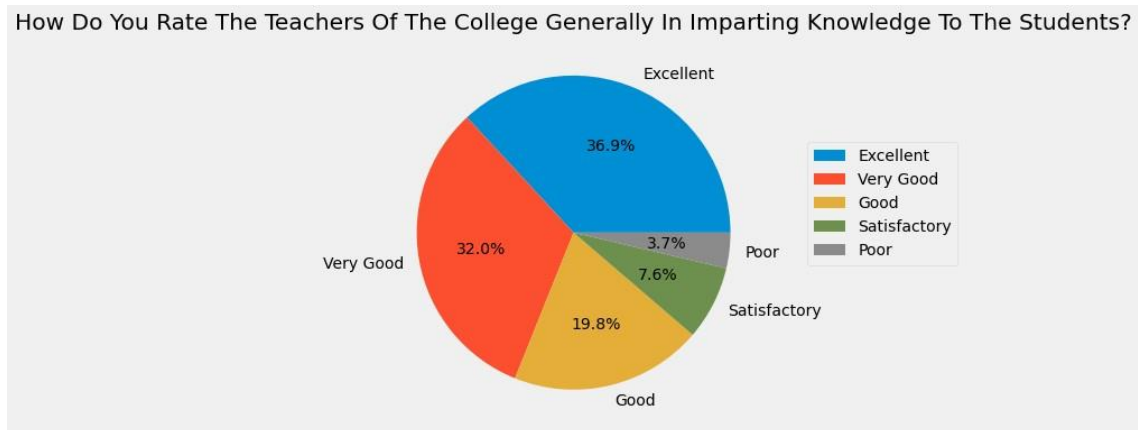

[23]:
```python
a6=students.iloc[:,11].value_counts()
a6.index=["Excellent","Very Good","Good","Satisfactory","Poor"]
a6
```

```
[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()
```


How Do You Rate The Support Of The Teachers In Your Curricular And Extra Curricular Activities?
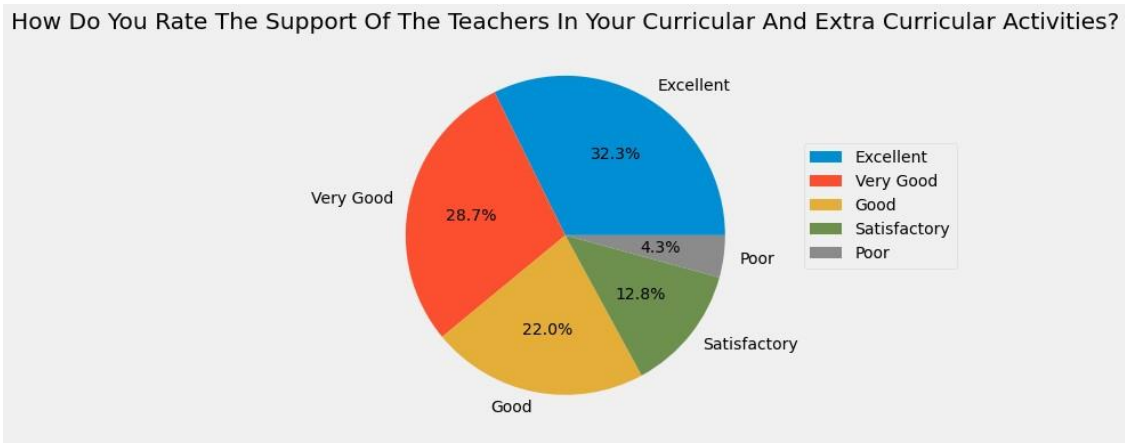
```
[32]: a7=students.iloc[:,12].value_counts()
      a7
```

```
[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
```
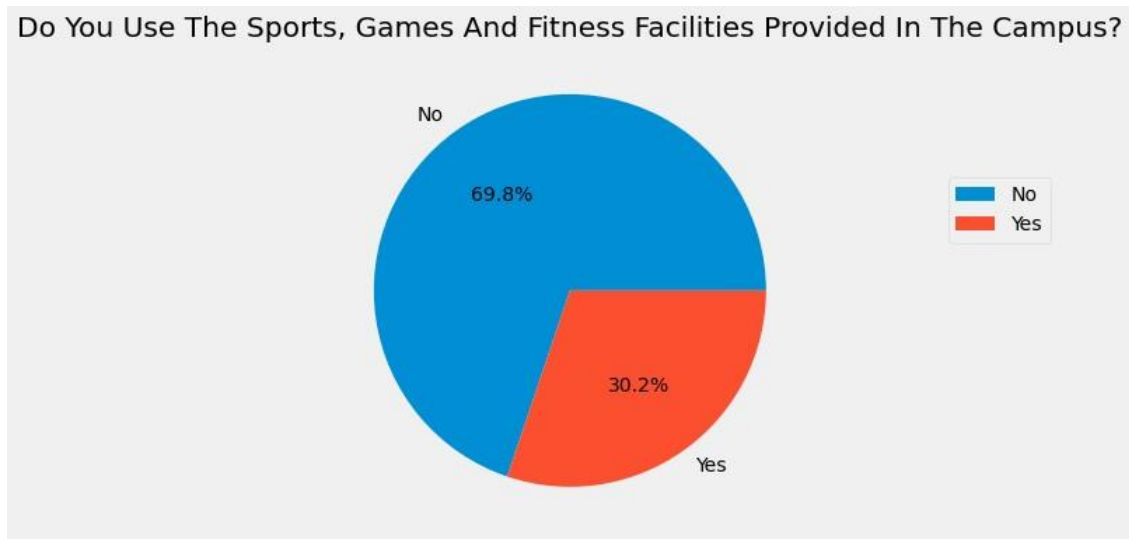
```
[ ]:
```

[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()
```

Do You Use The Sports, Games And Fitness Facilities Provided In The Campus?

No

69.8%

No
Yes

30.2%

Yes

[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?

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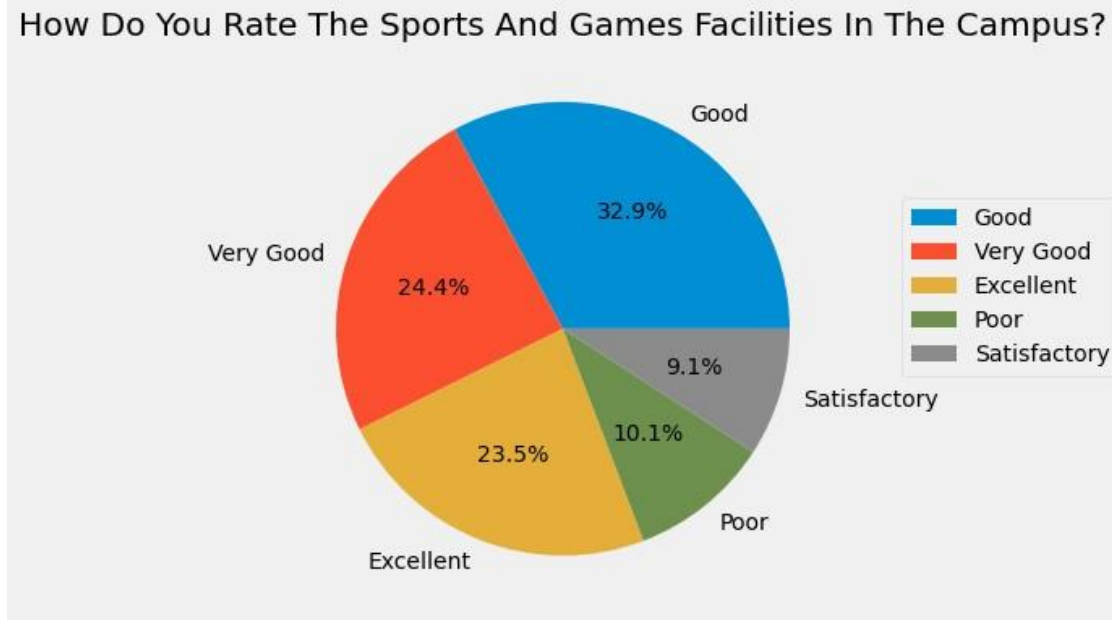
[37]:
```
a10=students.iloc[:,15].value_counts()
a10
```

[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

[39]:
```python
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()
```


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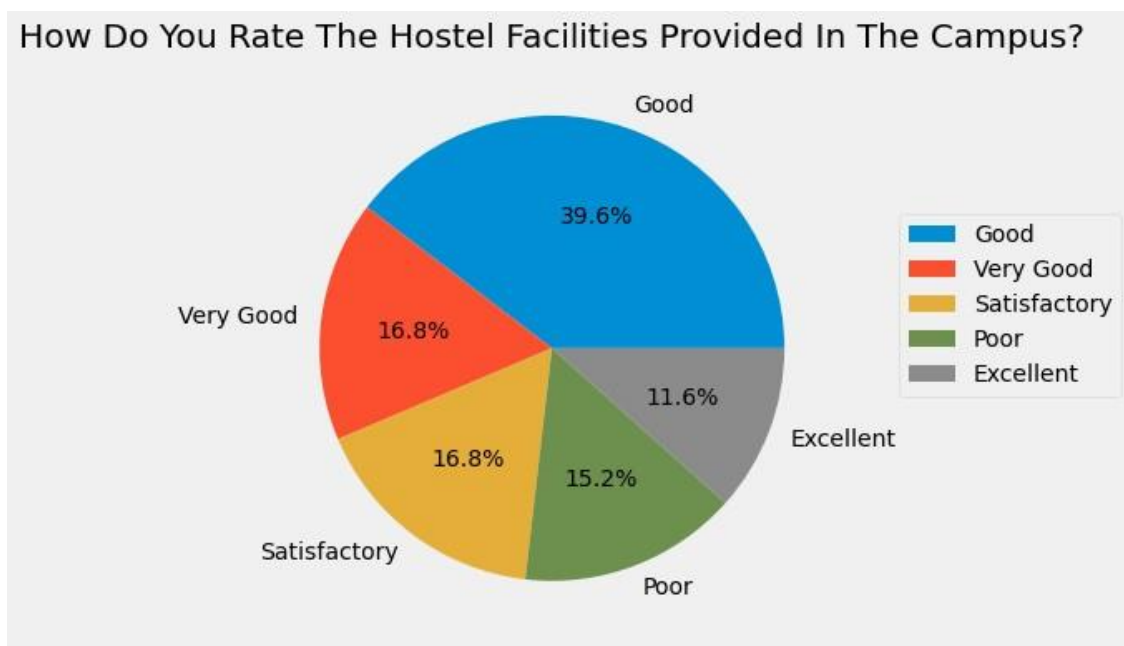
[40]:
```python
dic = {1:"Excellent",2:"Very Good",3:"Good",4:"Satisfactory",5:"Poor"}
```

[41]:
```python
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
```
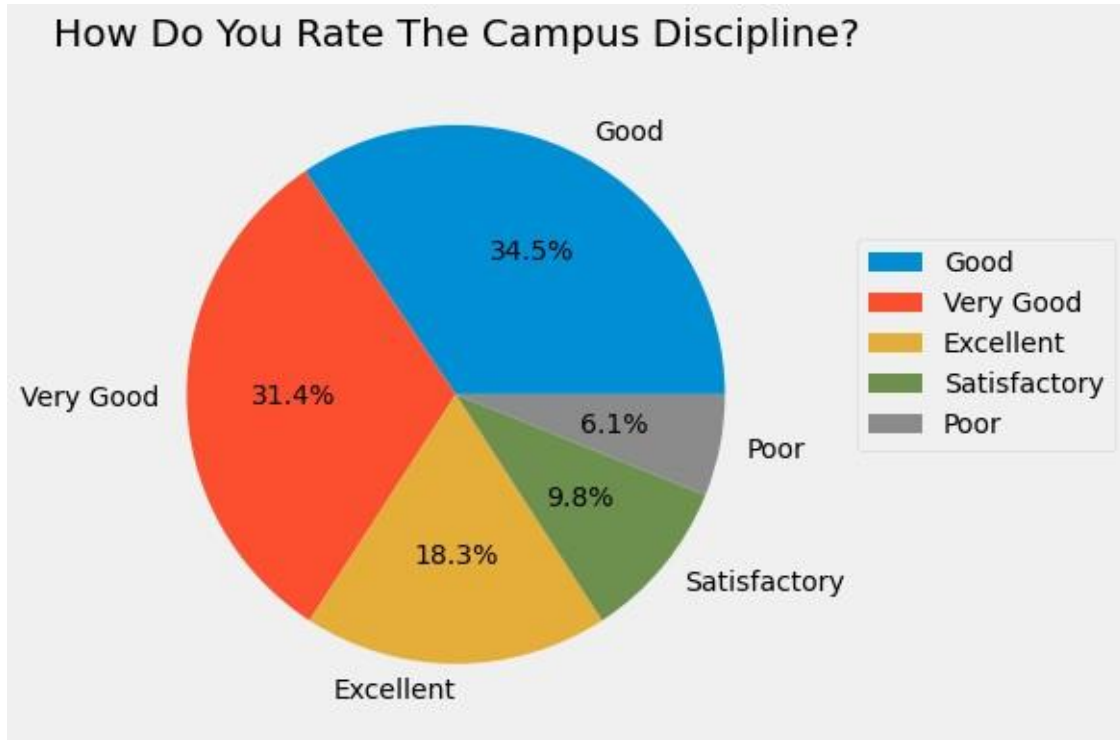Name: How do you rate the canteen facilities provided in the campus?, dtype: int64

```
[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()
```
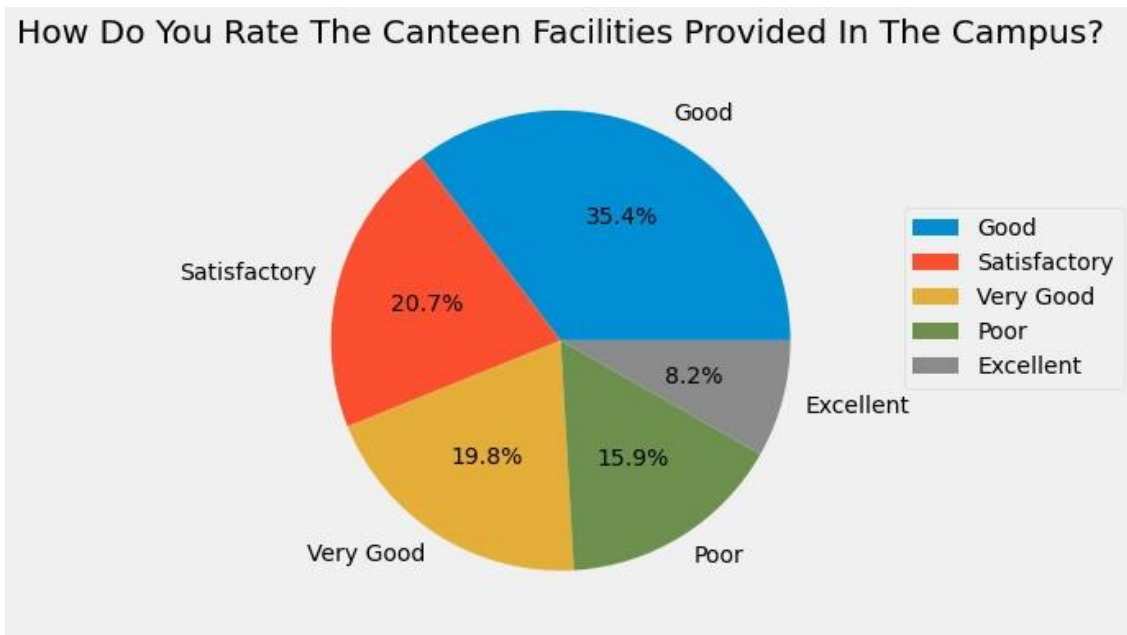


```
[45]: a13=students.iloc[:,18].value_counts()
      a13
```

```
[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
```

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

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

15

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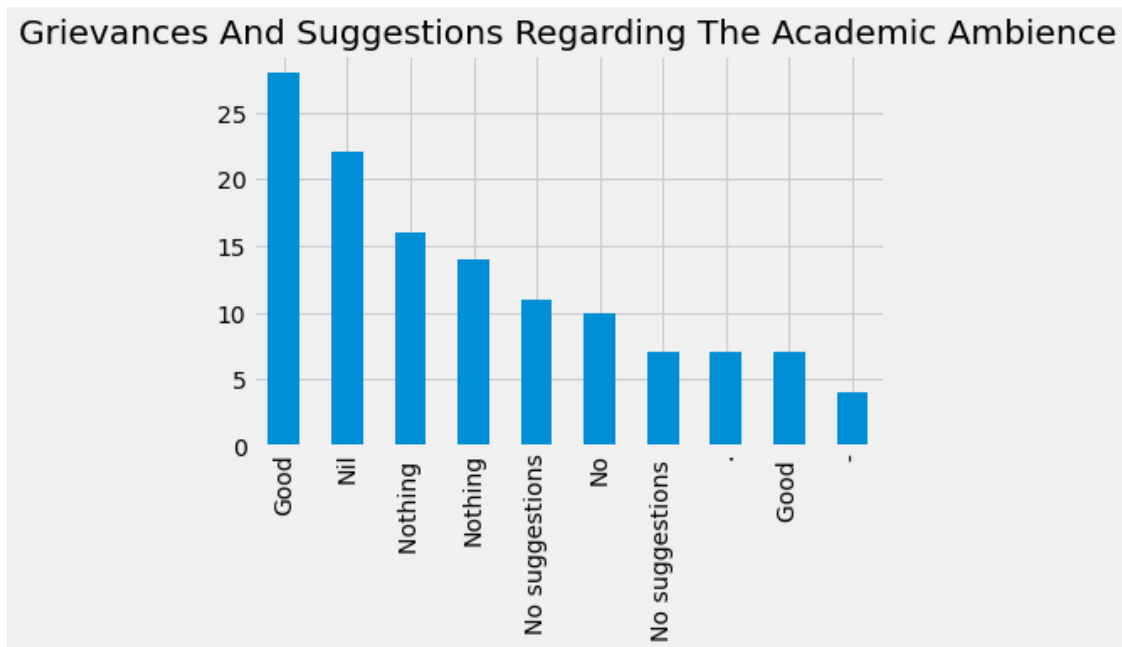
[60]: b[10:20].plot(kind="bar",title= "grievances and suggestions regarding the
↪academic ambience".title());

17

Grievances And Suggestions Regarding The Academic Ambience

[61]:
```
b[20:30].plot(kind="bar",title= "grievances and suggestions regarding the
↪academic ambience".title());
```
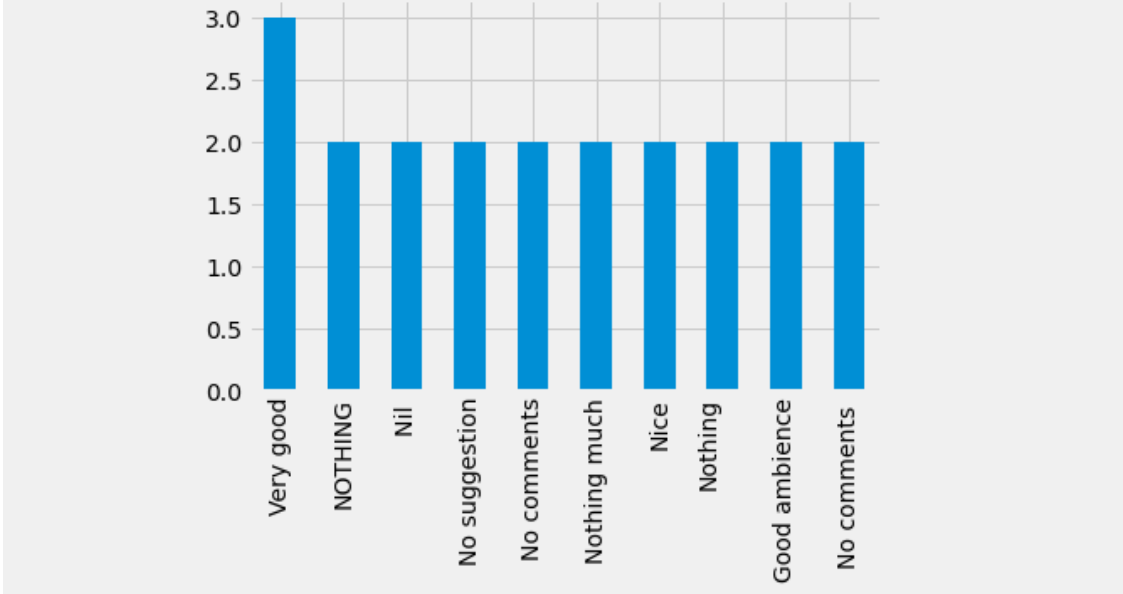
Grievances And Suggestions Regarding The Academic Ambience
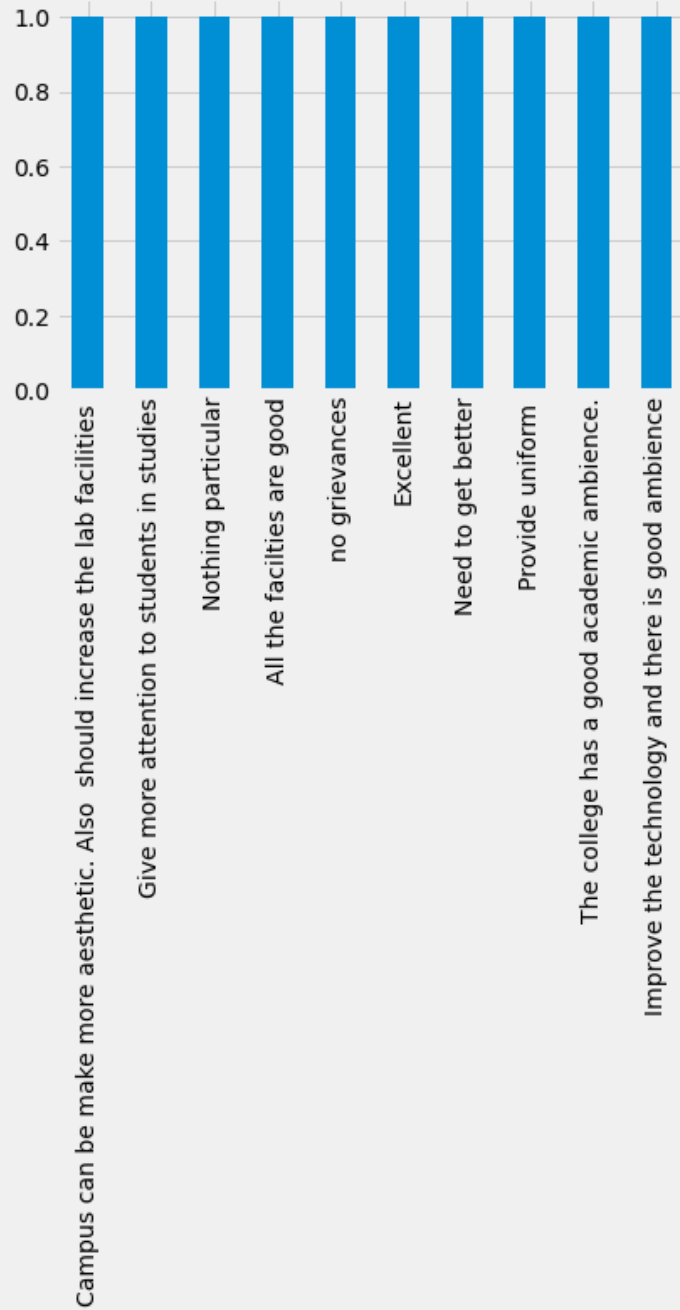

```
[62]: b[30:40].plot(kind="bar",title= "grievances and suggestions regarding the
      ↪academic ambience".title());
```

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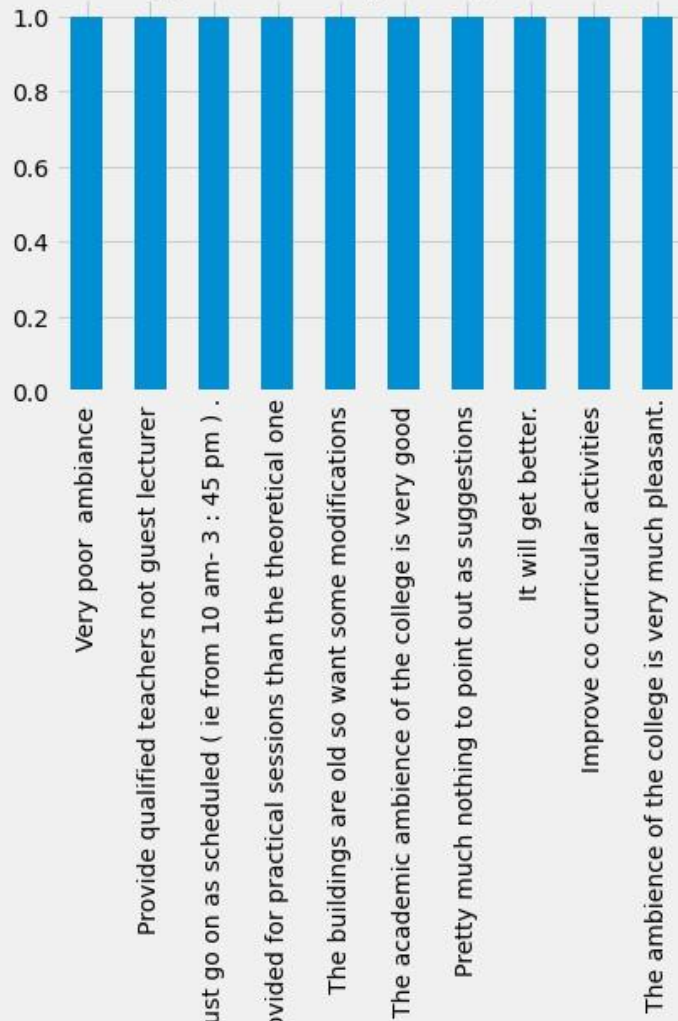
- Very poor ambiance
- Provide qualified teachers not guest lecturer
- Most of the days classes are not held during afternoon. Classes must go on as scheduled (ie from 10 am- 3 : 45 pm) .
- More focus should be provided for practical sessions than the theoretical one
- The buildings are old so want some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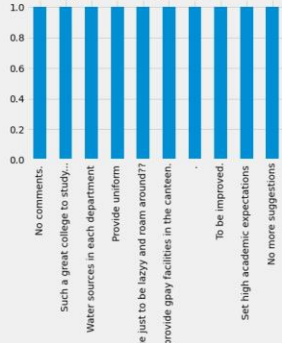- Improve co curricular activities
- The ambience of the college is very much pleasant.

```
[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());
```
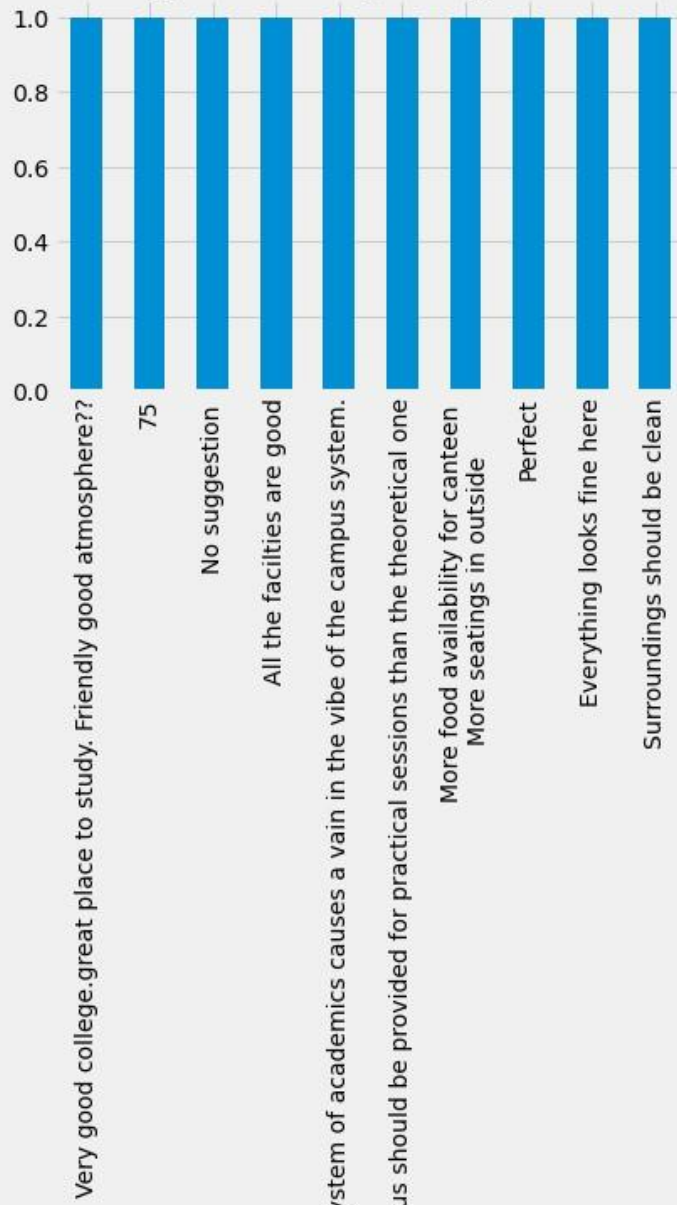

Grievances And Suggestions Regarding The Academic Ambience

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

Grievances And Suggestions Regarding The Academic Ambience
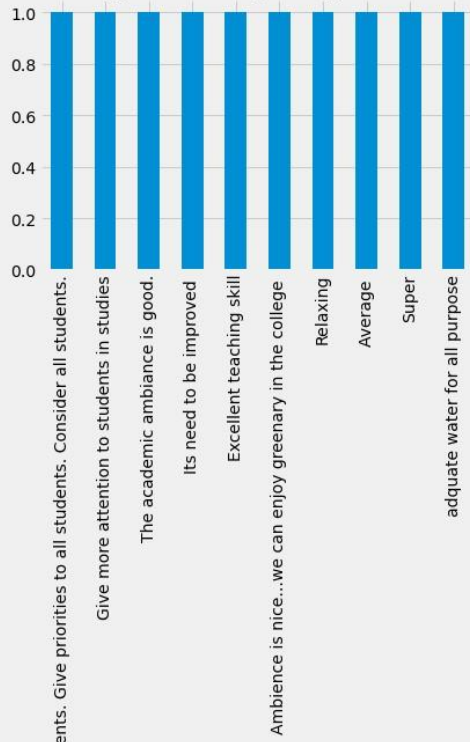
Bar chart with x-axis labels:
- Academic ambience of the college is very poor. It is necessary to concentrate all students including PG. Avoid discrimination against students. Give priorities to all students. Consider all students.
- Give more attention to students in studies
- The academic ambiance 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
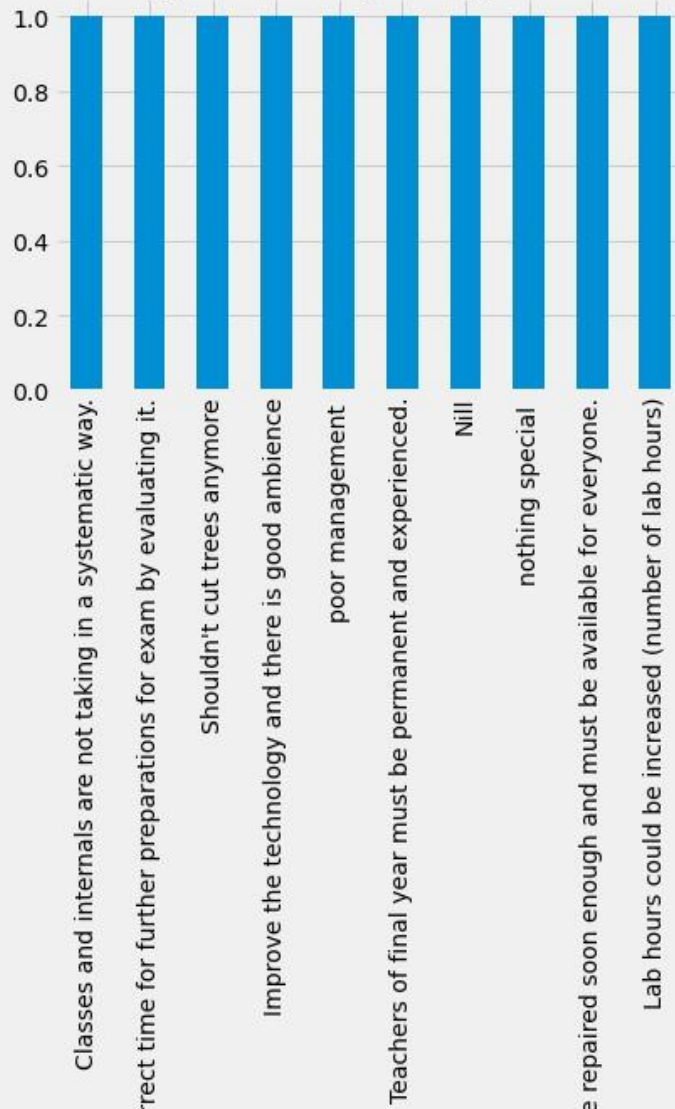
```
[54]: b[70:80].plot(kind="bar",title= "grievances and suggestions regarding the
      ↪academic ambience".title());
```

Grievances And Suggestions Regarding The Academic Ambience

Bar chart with categories:
- 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 including 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

- Very good college.great place to study. Friendly good atmosphere??
- 75
- No suggestion
- All the facilties 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());

Grievances And Suggestions Regarding The Academic Ambience
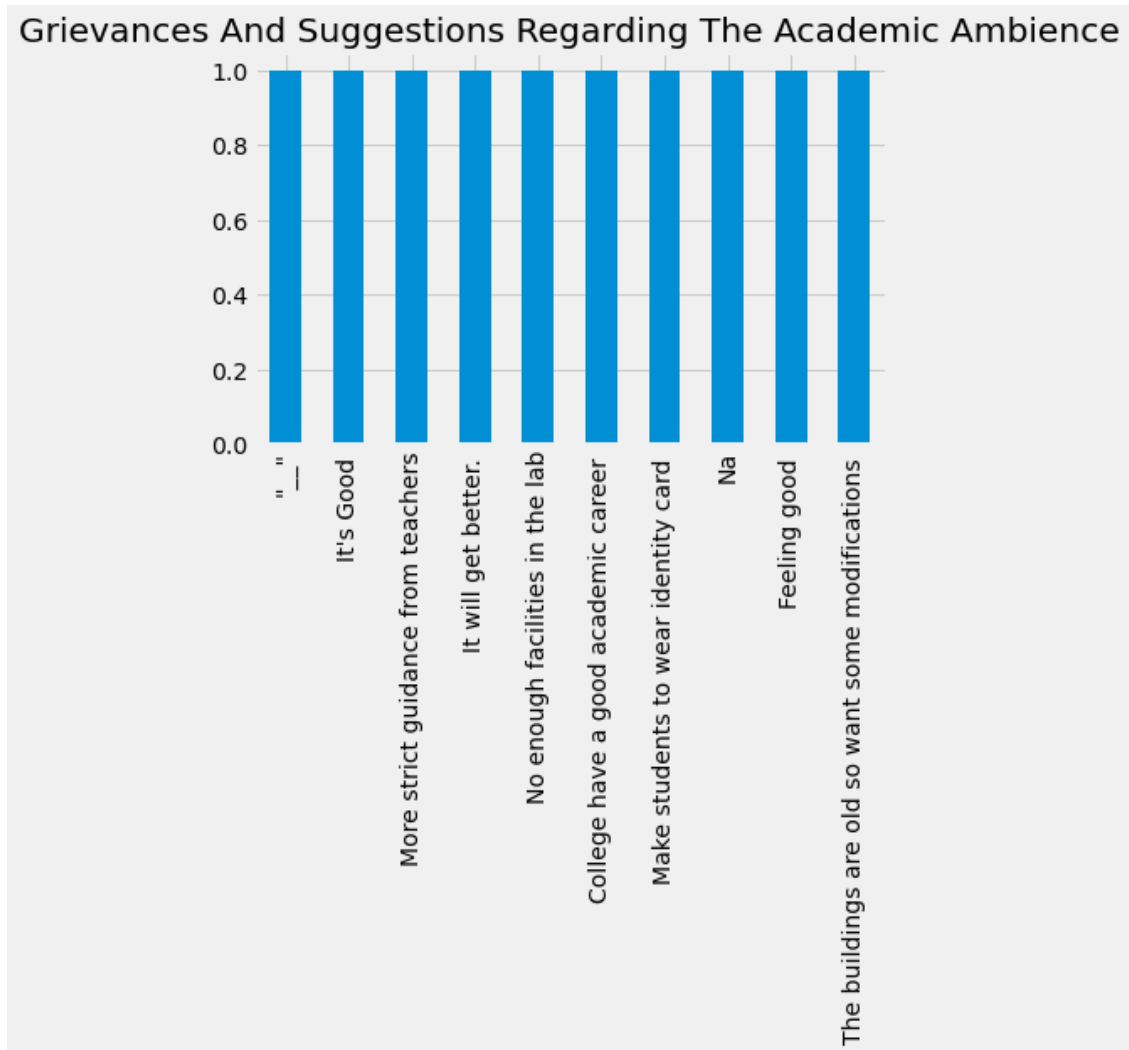
[57]: b[100:110].plot(kind="bar",title= "grievances and suggestions regarding the␣
↪academic ambience".title());

Grievances And Suggestions Regarding The Academic Ambience

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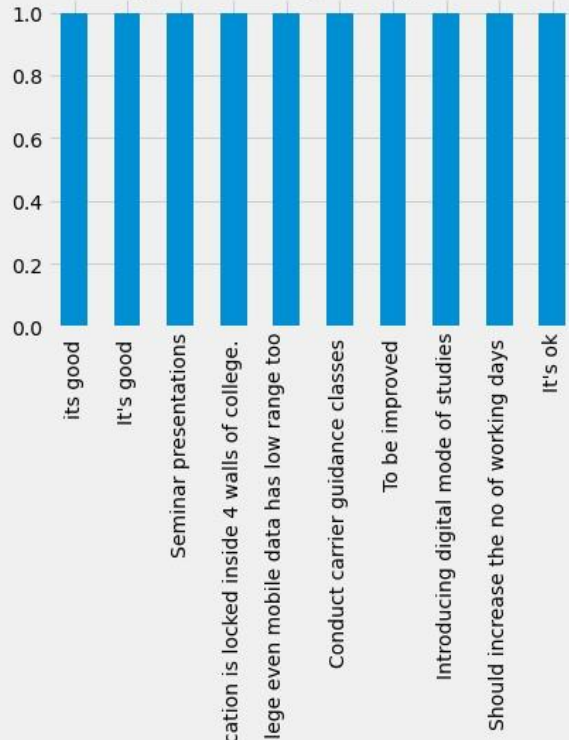↪academic ambience".title());

Grievances And Suggestions Regarding The Academic Ambience
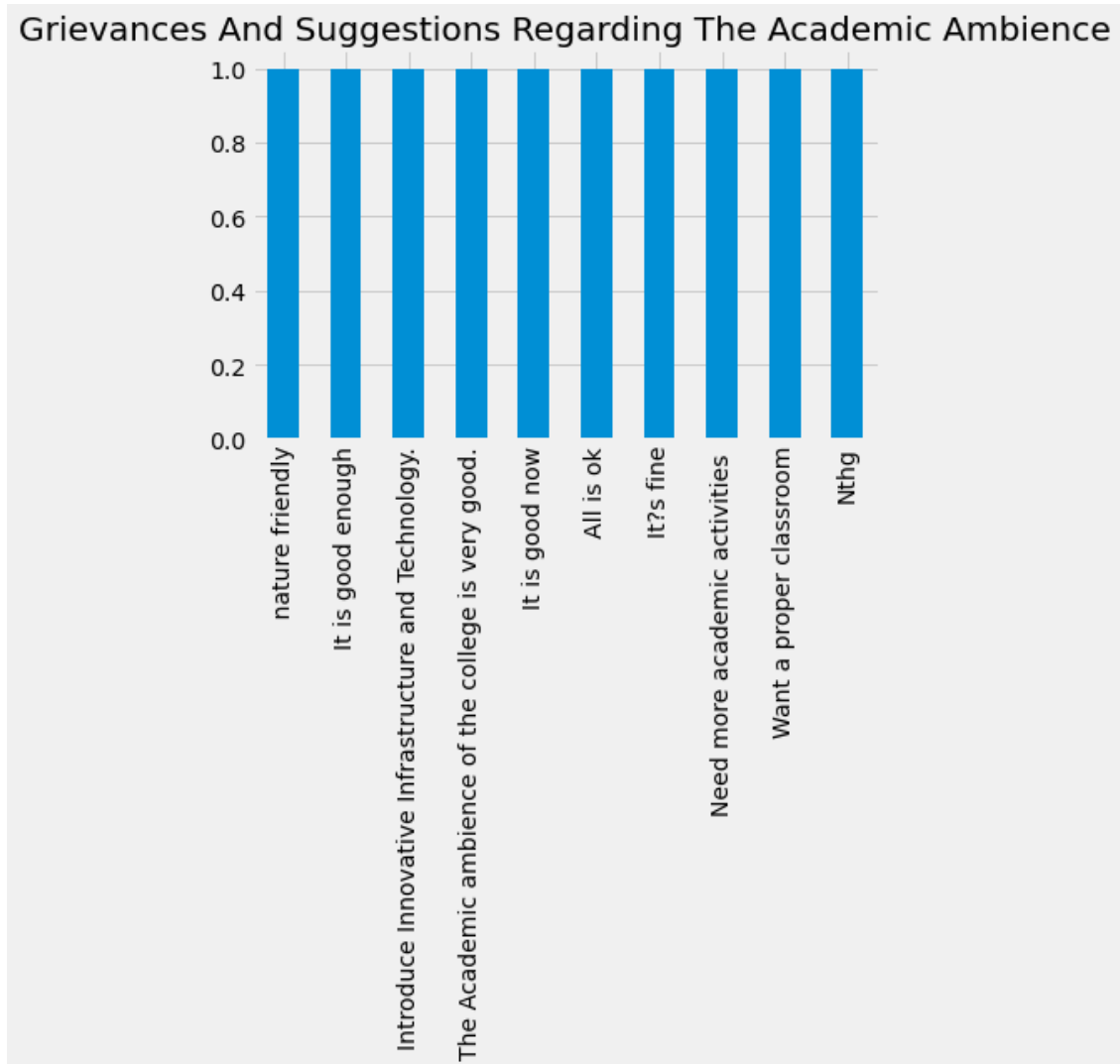
[59]: b[120:130].plot(kind="bar",title= "grievances and suggestions regarding the␣
↪academic ambience".title());

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
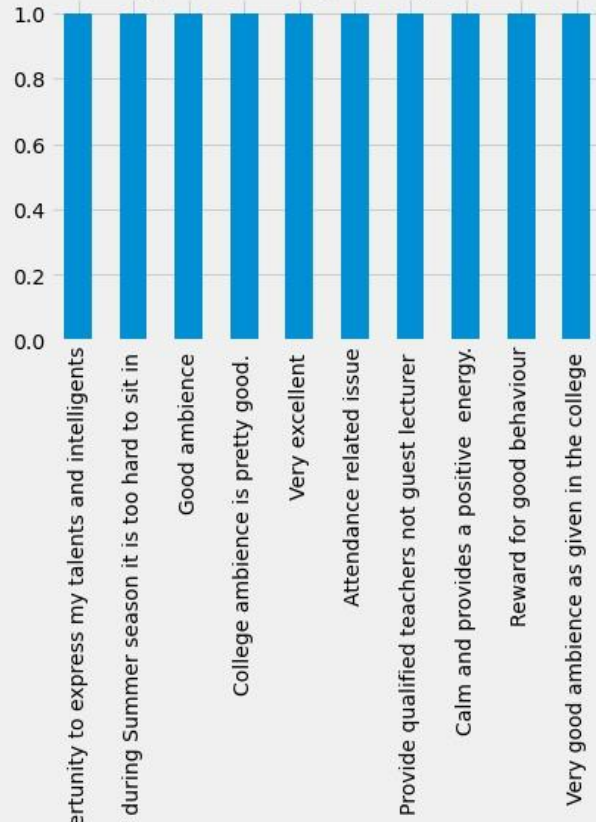- Should increase the no of working days
- It's ok

Y-axis: 0.0 to 1.0

33

```
[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

Dr. PREETHI NAIR
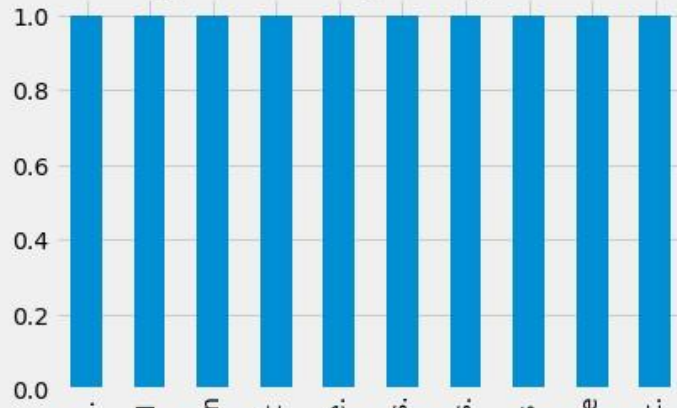PRINCIPAL IN-CHARGE
SREE SANKARA COLLEGE
KALADY-683 574

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

Grievances And Suggestions Regarding The Academic Ambience

Bar chart with category 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
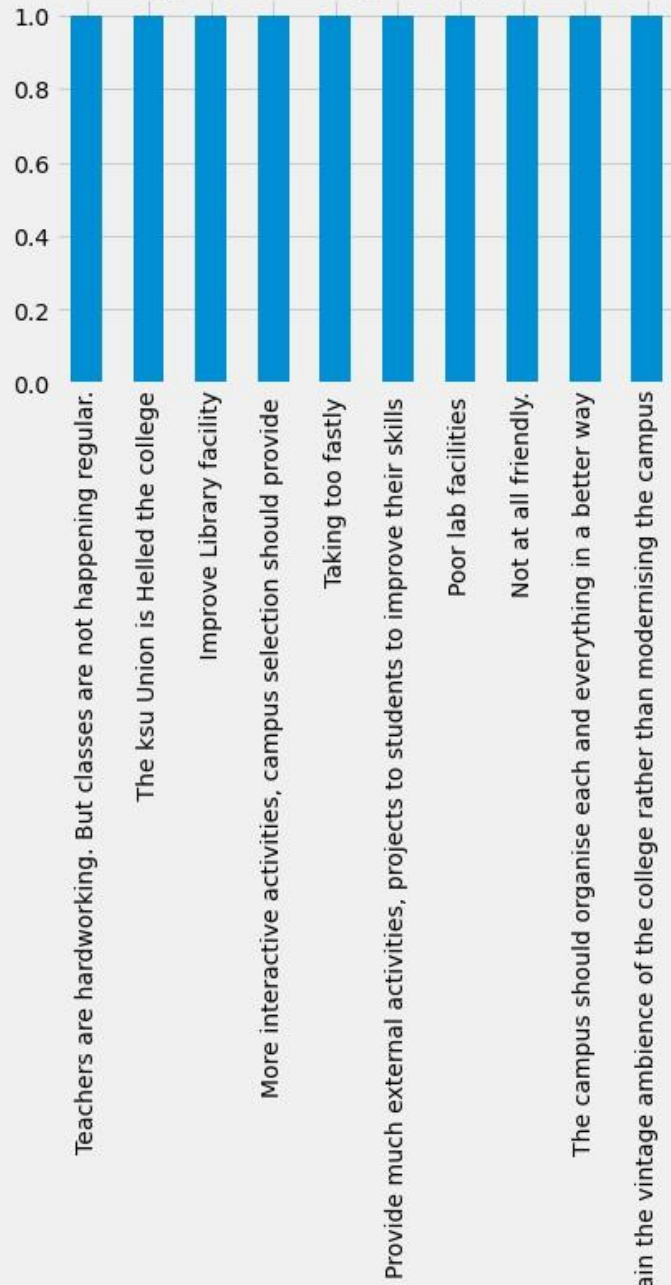- Everything is fine
- The ambience of the college is very much pleasant.

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

Grievances And Suggestions Regarding The Academic Ambience

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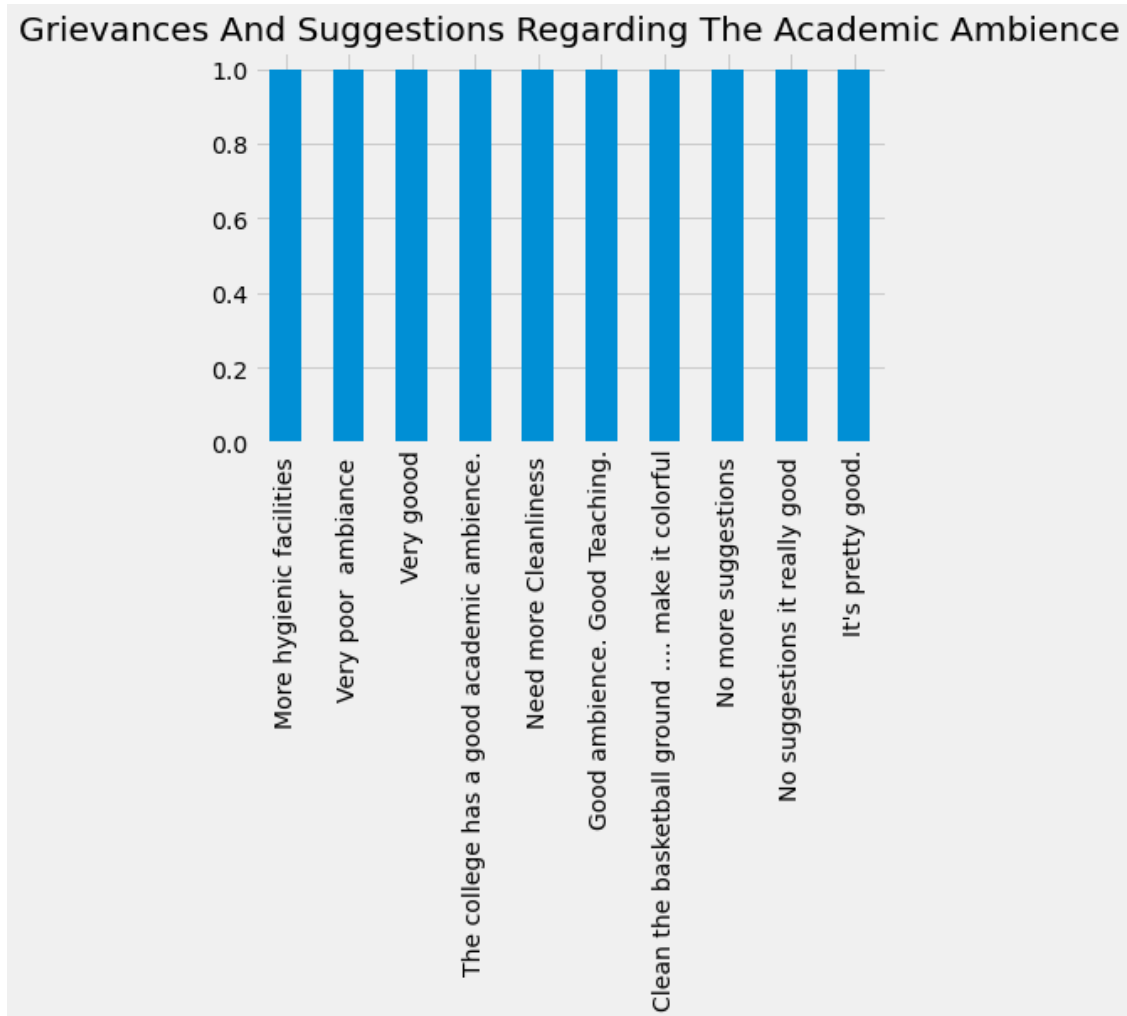
```
[66]: b[170:180].plot(kind="bar",title= "grievances and suggestions regarding the␣
      ↪academic ambience".title());
```
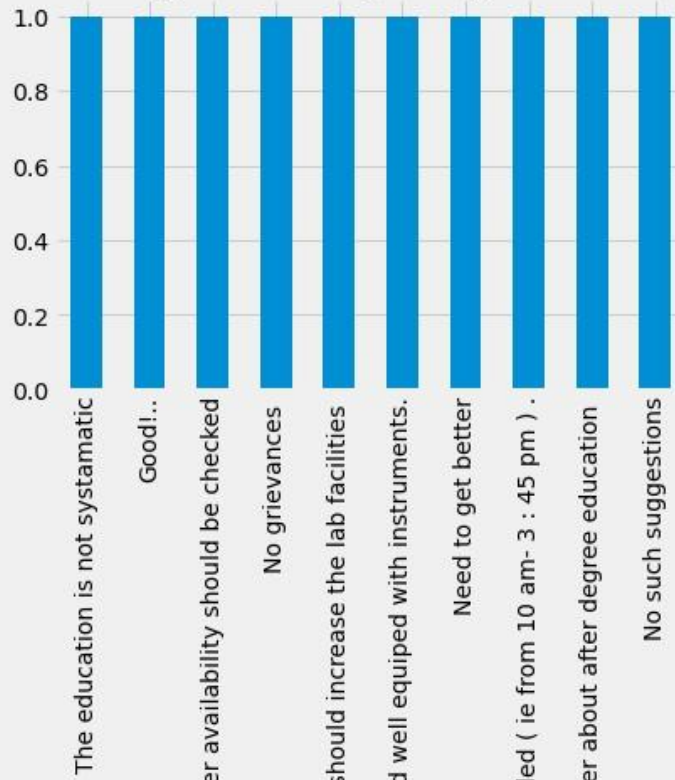
Grievances And Suggestions Regarding The Academic Ambience

Bar chart with the following category labels along the x-axis (all bars at value 1.0):

- 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.
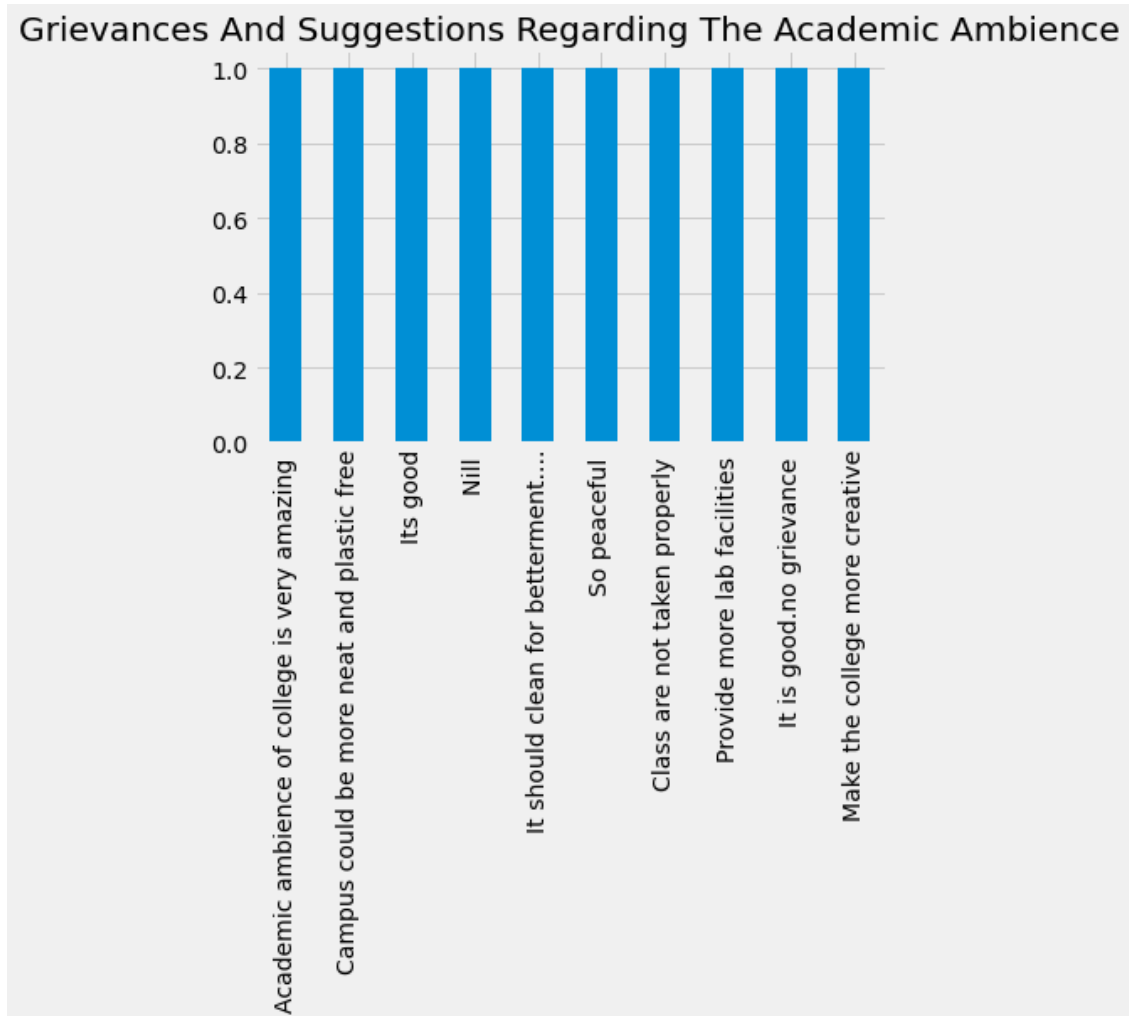- Need to get better
- Most of the days classes are not held during afternoon. Classes must go on as scheduled (ie from 10 am- 3 : 45 pm) .
- To guide career about after degree education
- No such suggestions

Dr. PREETHI NAIR
PRINCIPAL IN-CHARGE
SREE SANKARA COLLEGE
KALADY-683 574

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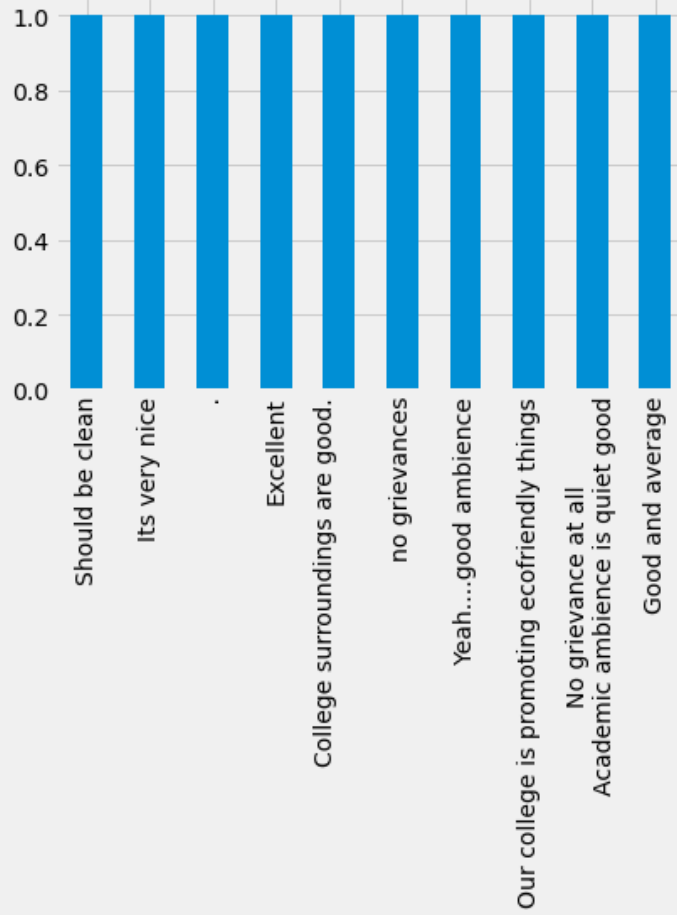
Grievances And Suggestions Regarding The Academic Ambience


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

Grievances And Suggestions Regarding The Academic Ambience

Bar chart with categories: Should be clean, Its very nice, ., Excellent, College surroundings are good., no grievances, Yeah....good ambience, Our college is promoting ecofriendly things, No grievance at all, Academic ambience is quiet good, Good and average — each with value 1.0.

[ ]:

[ ]:

[ ]:

[ ]:

[ ]:

Dr. PREETHI NAIR
PRINCIPAL IN-CHARGE
SREE SANKARA COLLEGE
KALADY-683 574