

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
```



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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
```

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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"}
```

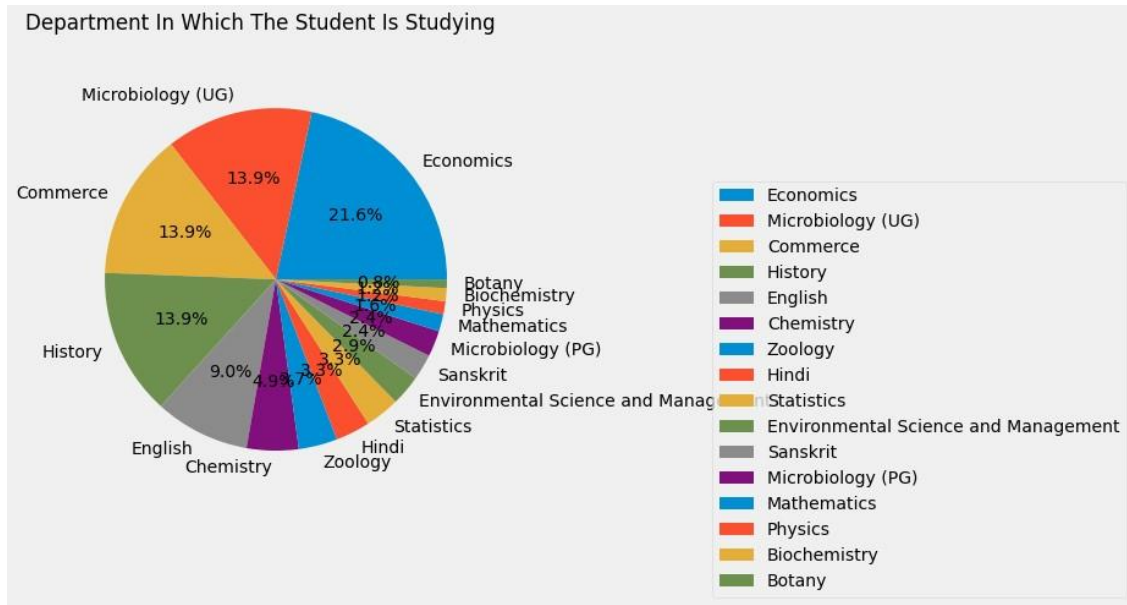
```
[14]: a1=students.iloc[:,9].value_counts()
a1
```

```
[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()
```

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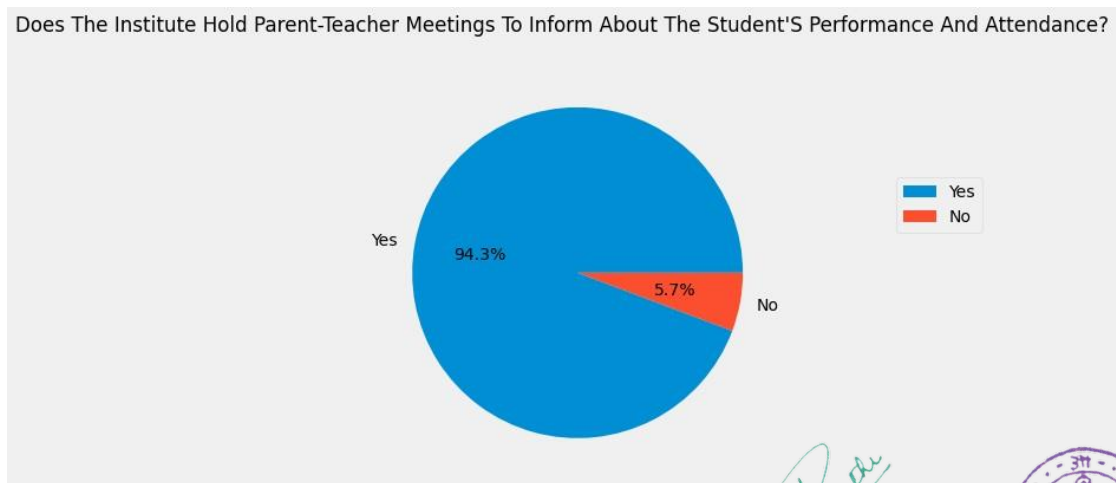




```
[16]: a2=students.iloc[:,10].value_counts()
a2
```

```
[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()
```



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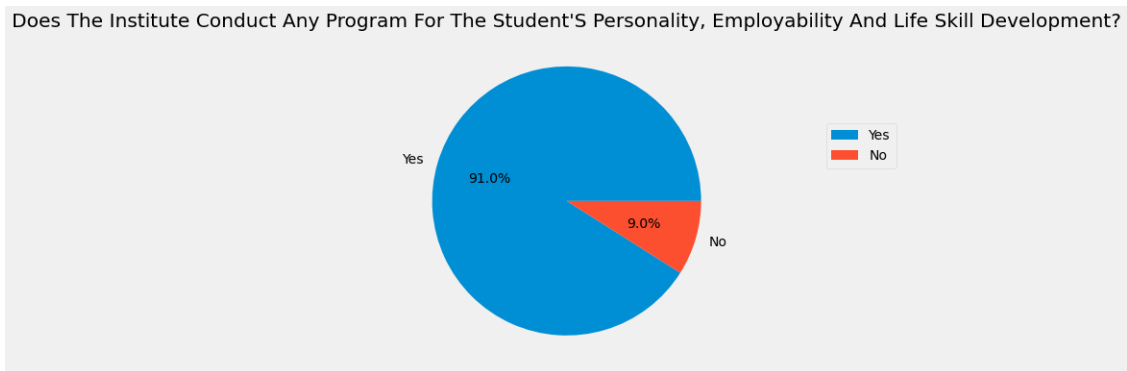


```
[24]: a3=students.iloc[:,11].value_counts()
a3
```

```
[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
```

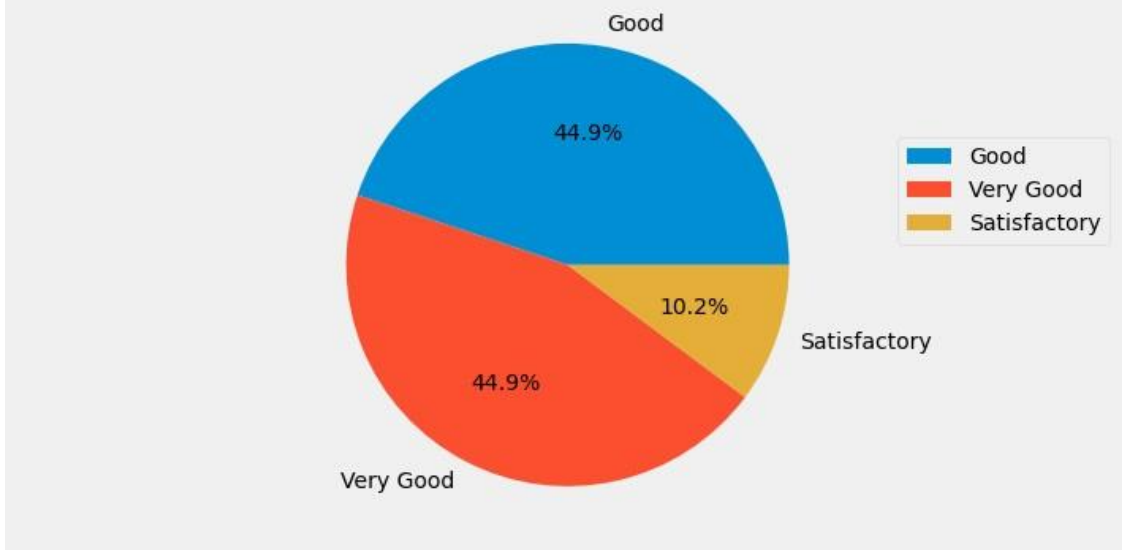
```
[26]: Good          110
      Very Good    110
      Satisfactory  25
      Name: How do you rate the quality of teaching offered by the institution?,
      dtype: int64
```

```
[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()
```

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



[]:

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

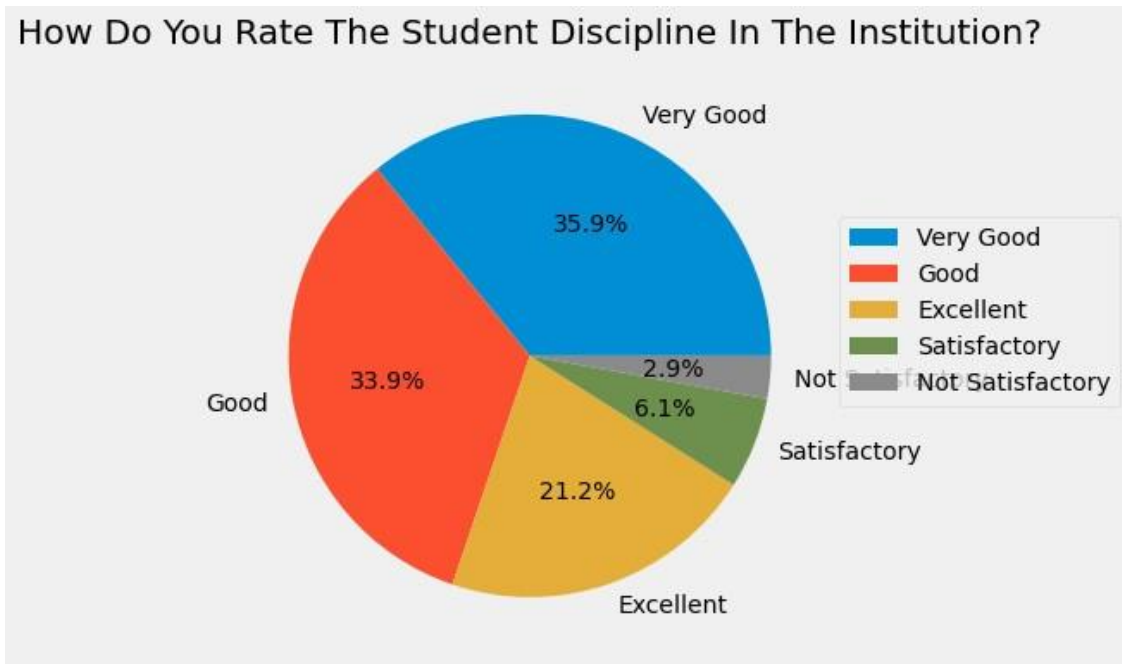
```
a5
```

```
[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()
```

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```
[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
```

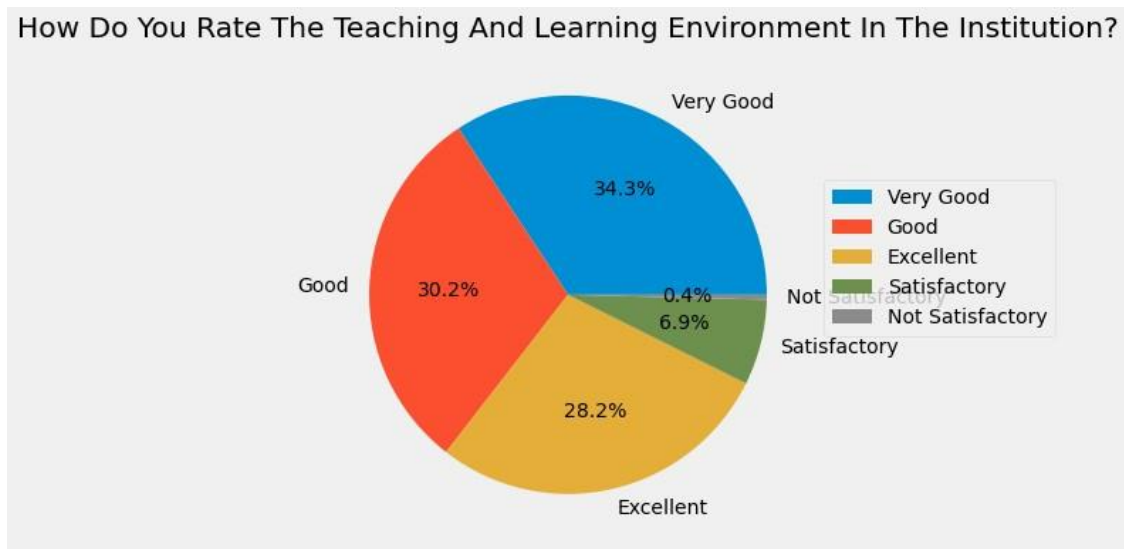
```
[31]: Very Good        84
Good                 74
Excellent            69
Satisfactory         17
Not Satisfactory     1
```


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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()
```




```
[33]: a8=students. iloc[:,16]. value_counts()  
a8
```

```
[33]: Very Good      83  
Excellent      79  
Good           58  
Satisfactory   19  
Not Satisfactory 6
```

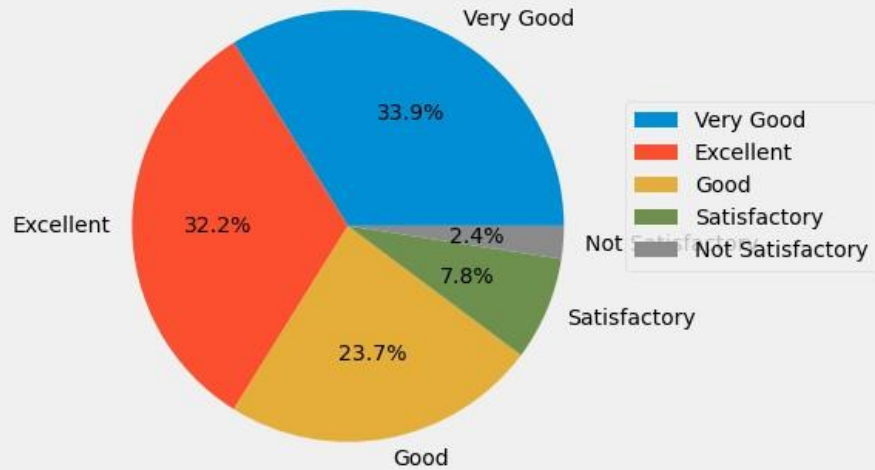
Name: How do you rate the library and learning facilities in the institution?,
dtype: int64

```
[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()
```


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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]
```

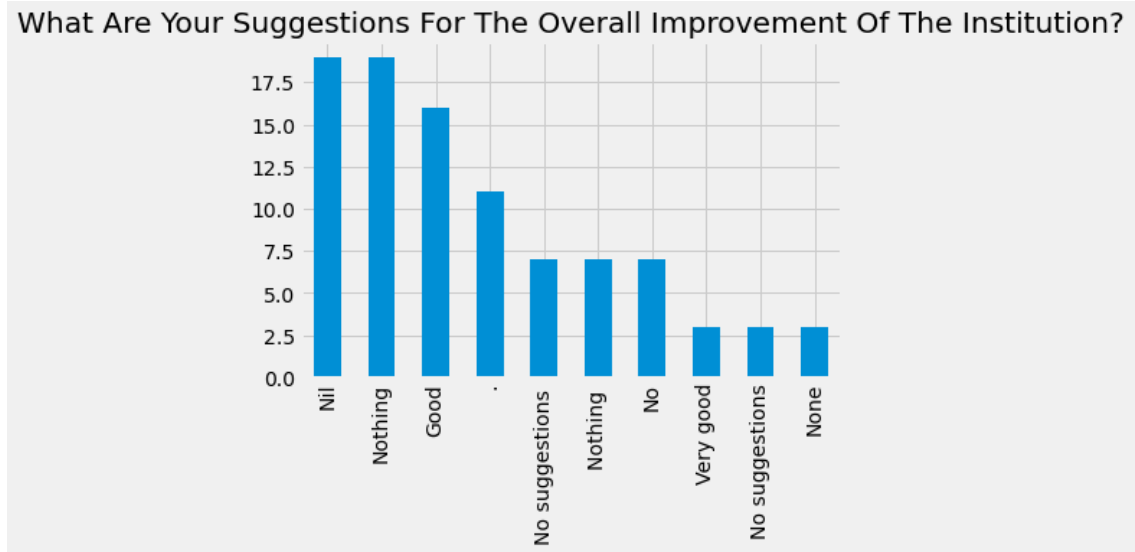
```
[38]: 'What are your suggestions for the overall improvement of the institution?'
```

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


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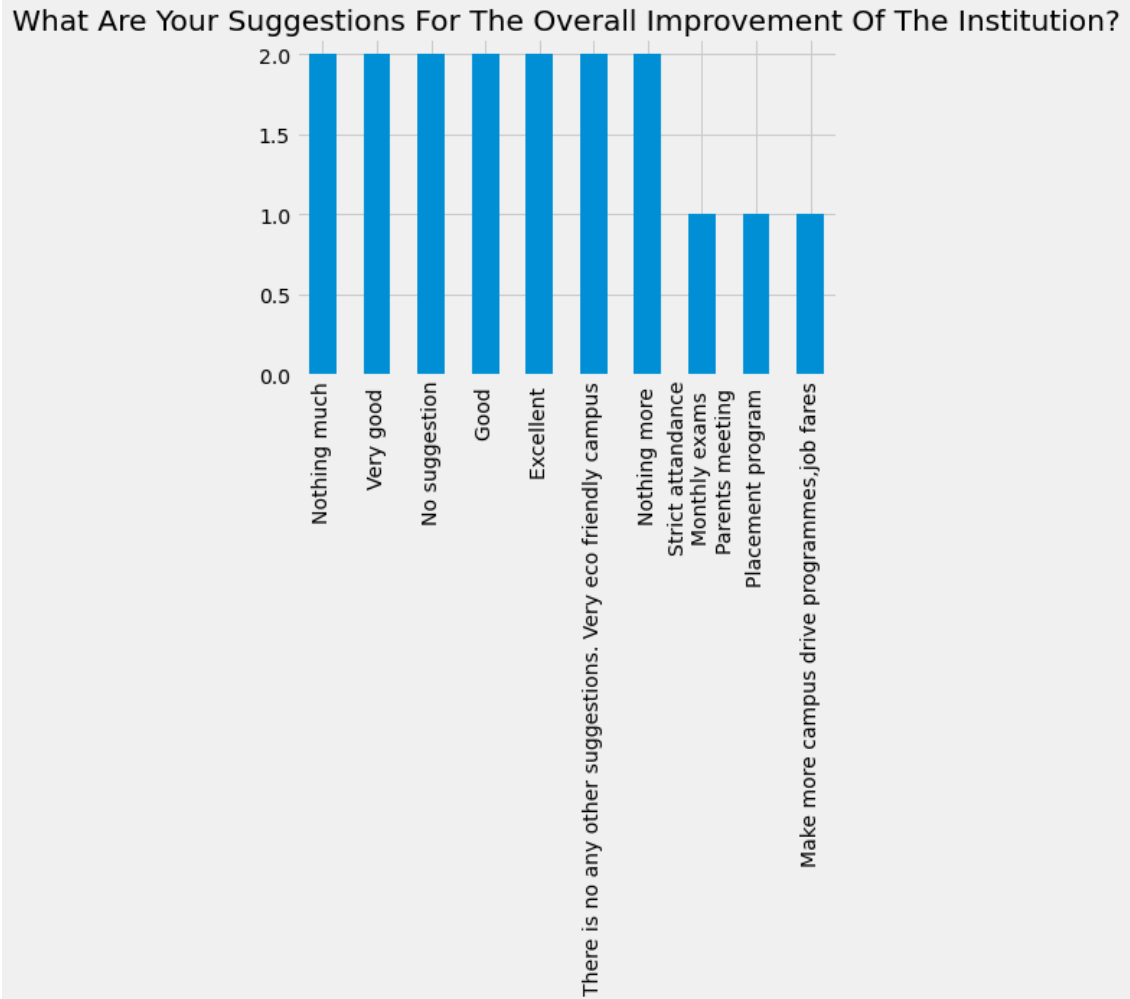
```
[59]: b[:10].plot(kind="bar", title= a[-1]. title());
```



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


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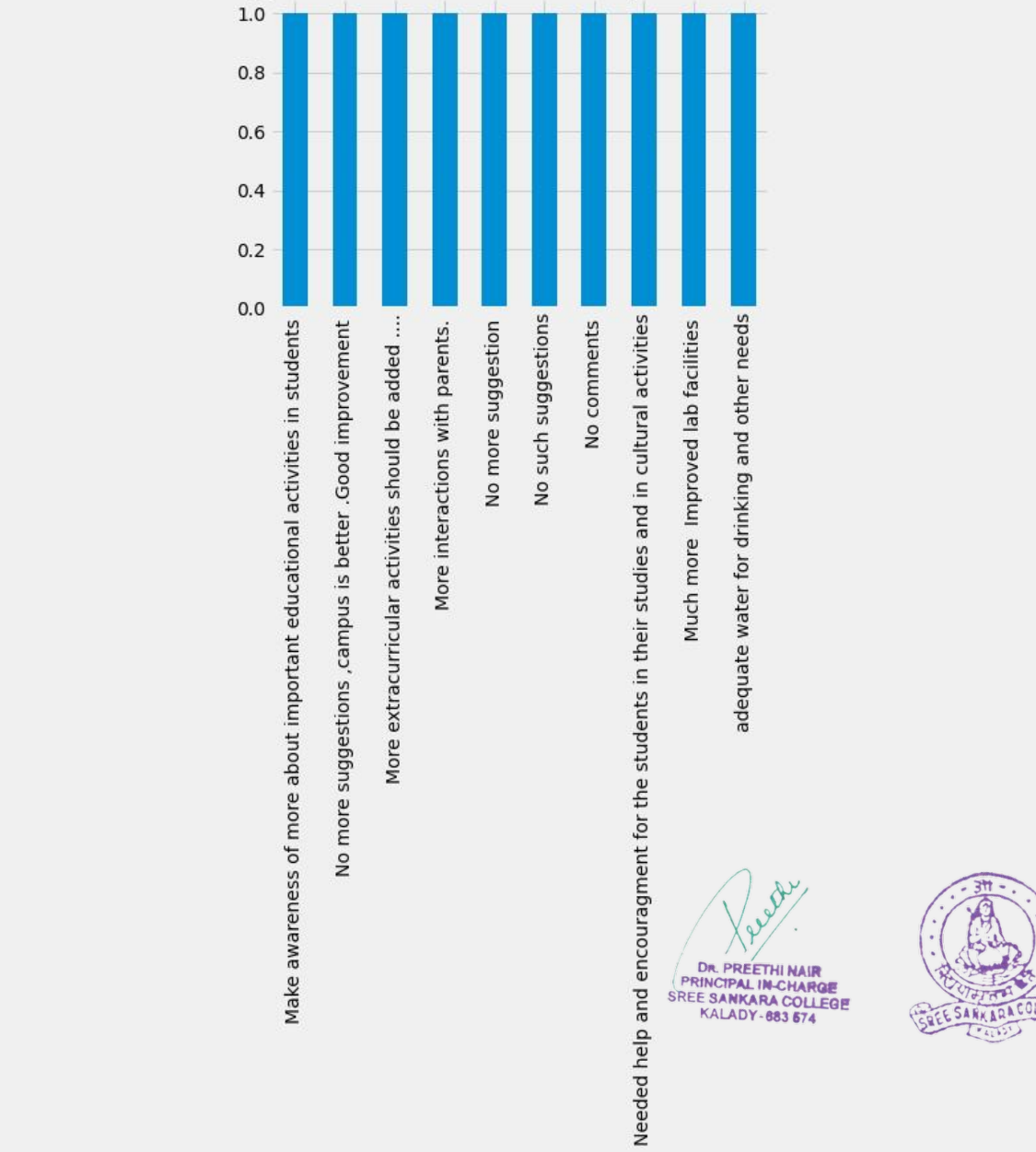


```
[62]: b[20:30].plot(kind="bar", title= a[-1].title());
```

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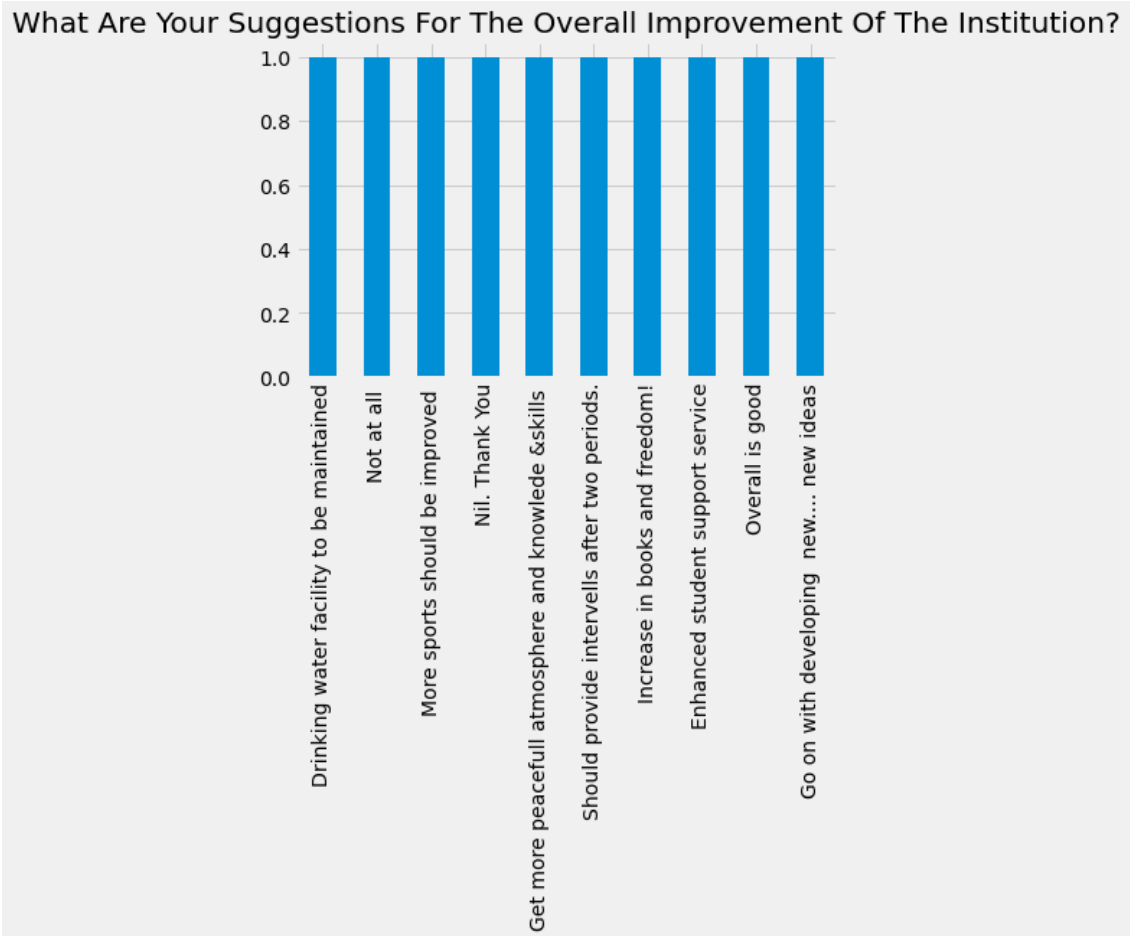
What Are Your Suggestions For The Overall Improvement Of The Institution?



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

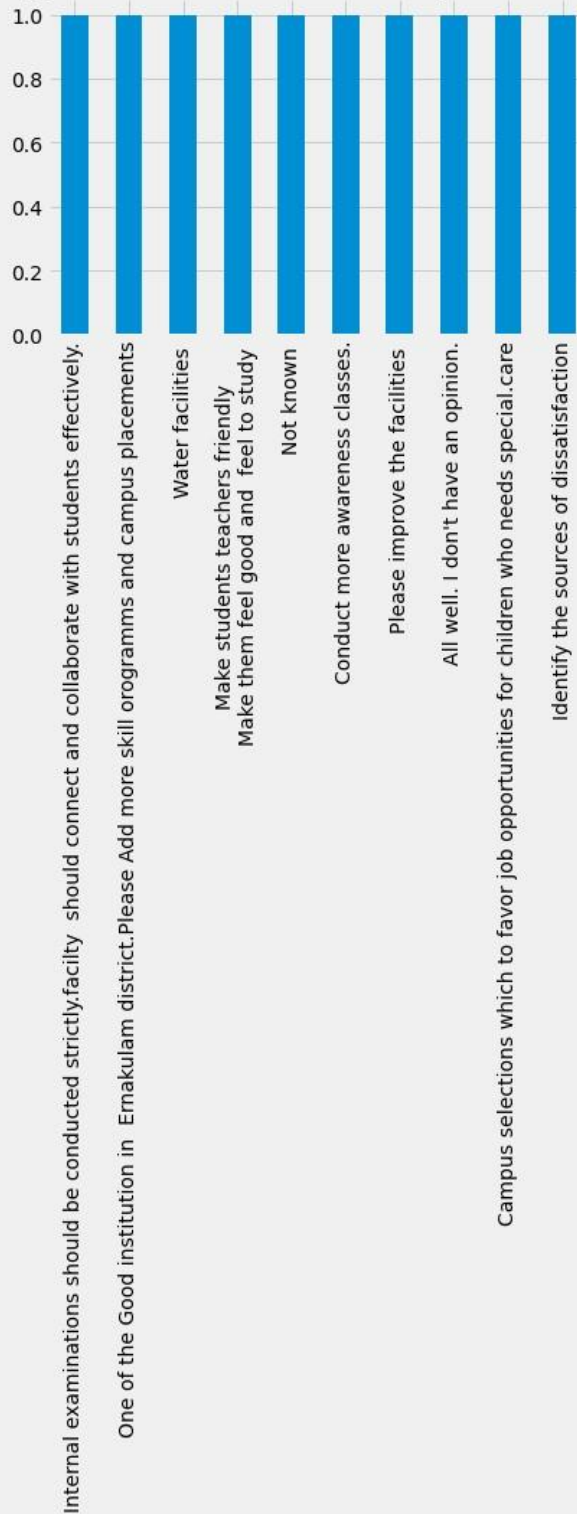


```
[64]: b[40:50].plot(kind="bar", title= a[-1].title());
```

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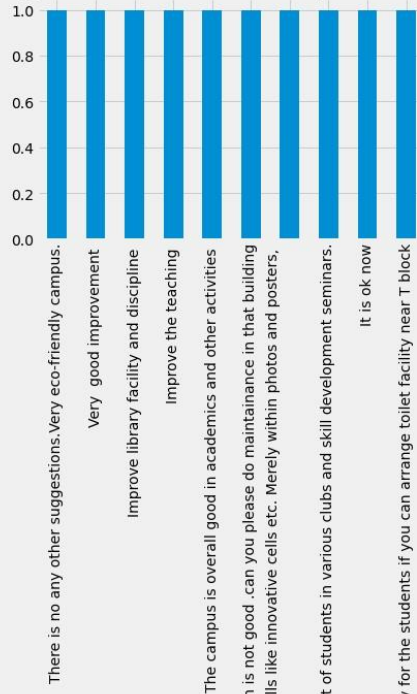


```
[65]: b[50:60].plot(kind="bar", title= a[-1].title());
```

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

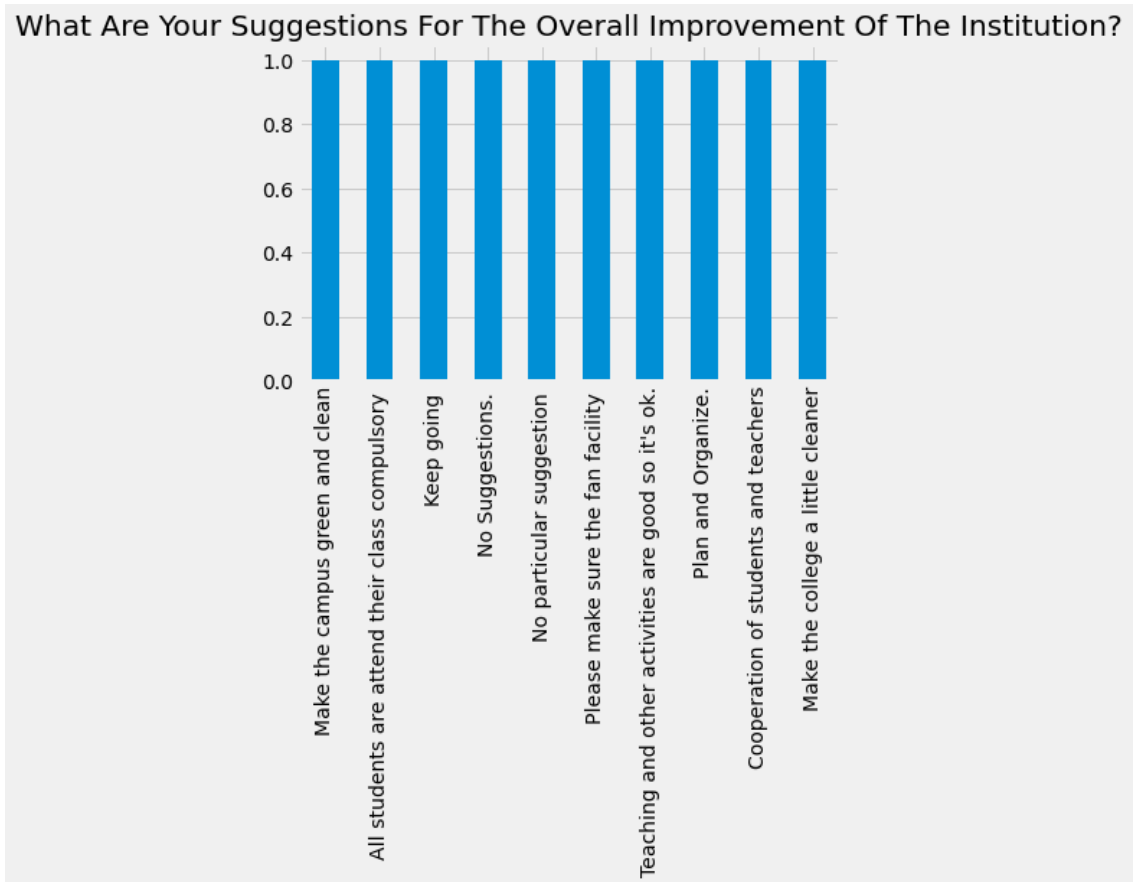


Can improve the campus.the s block building ventilation is not good .can you please do maintenance in that building
 incorporate tech in administrative process, school transportation will be appreciated, more cafeterias should be promoted, Please dont limit the functioning of cells like innovative cells 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.


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

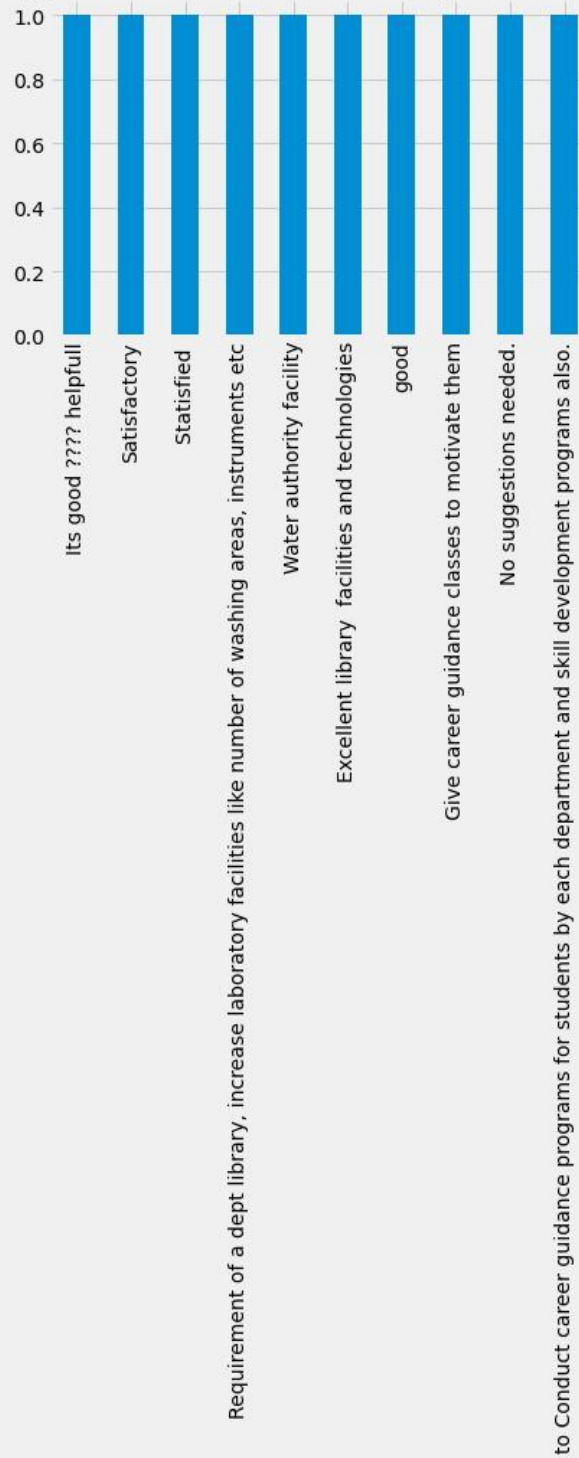


```
[67]: b[70:80].plot(kind="bar", title= a[-1].title());
```


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

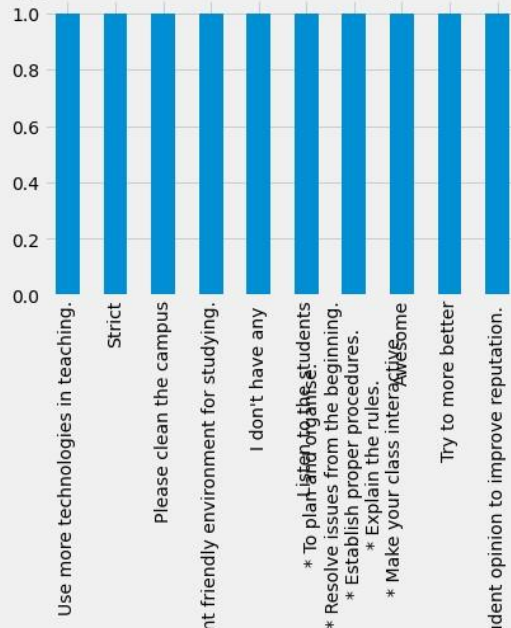


```
[68]: b[80:90].plot(kind="bar", title= a[-1].title());
```

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



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

I don't have any

* To plant trees for the students

* Resolve issues from the beginning.

* Establish proper procedures.

* Explain the rules.

* Make your class interactive some

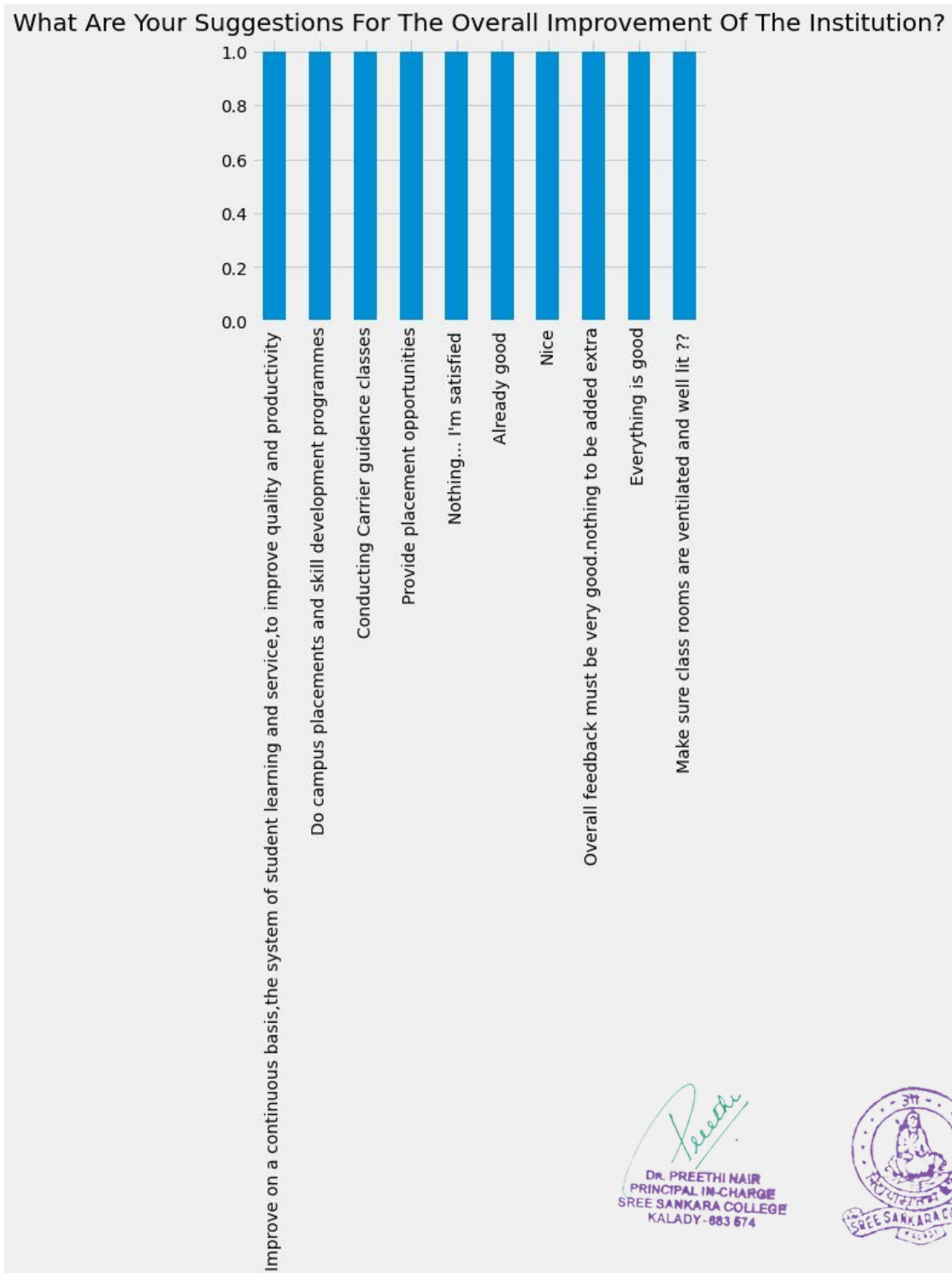
Try to more better

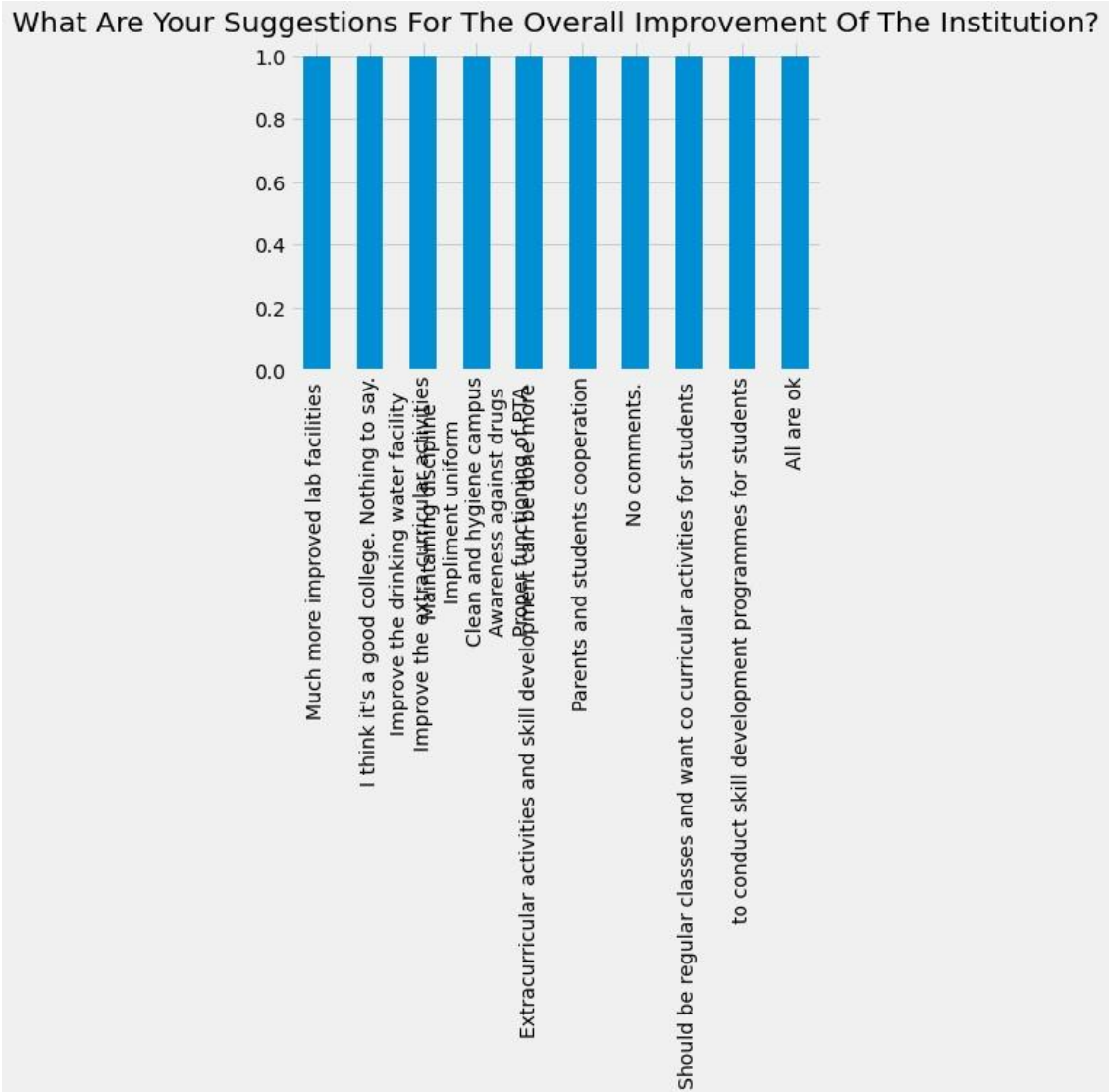
Spacious classrooms with requisite furniture, boards, electrical fittings like lights and fans., Listen to the students it is important to get student opinion to improve reputation.

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```
[69]: b[90:100].plot(kind="bar", title= a[-1].title());
```



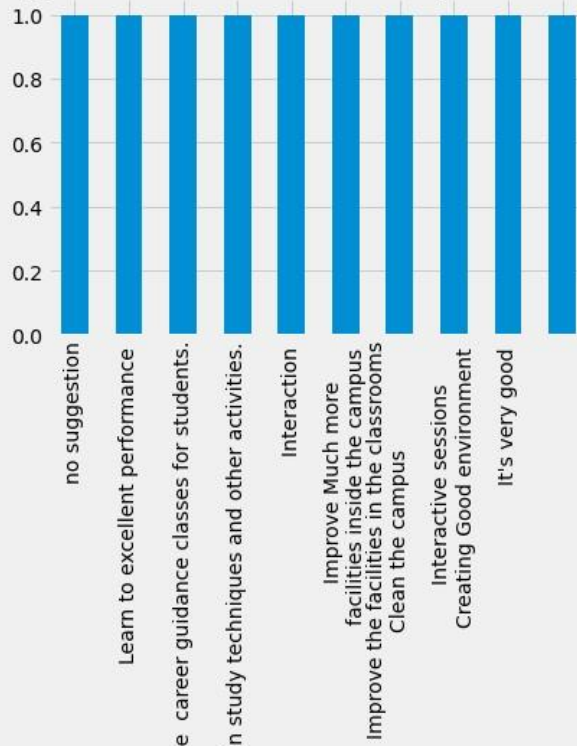


```
[72]: b[120:130].plot(kind="bar", title= a[-1].title());
```


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



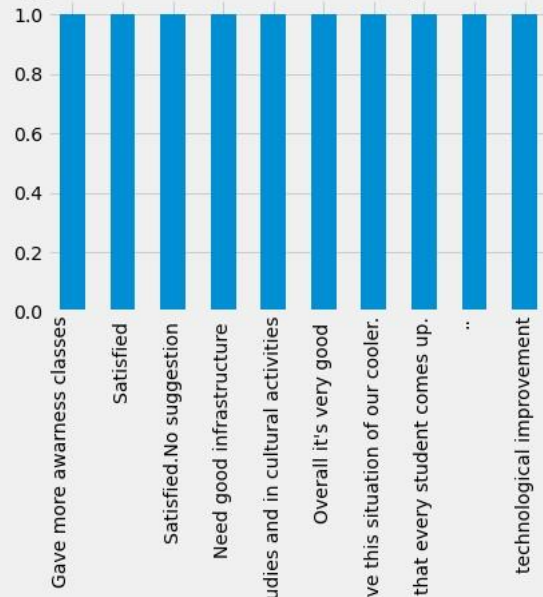
No suggestions, the institutuon has good environment and improvement in study techniques and other activities.

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```
[73]: b[130:140].plot(kind="bar", title= a[-1].title());
```


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



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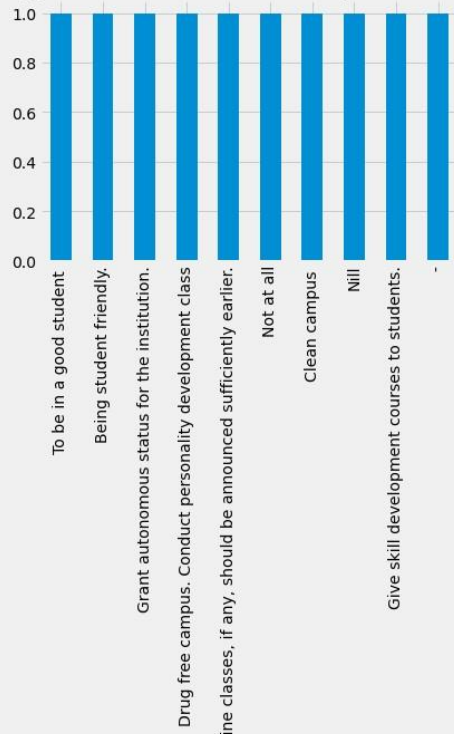


```
[74]: b[140:150].plot(kind="bar", title= a[-1].title());
```


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

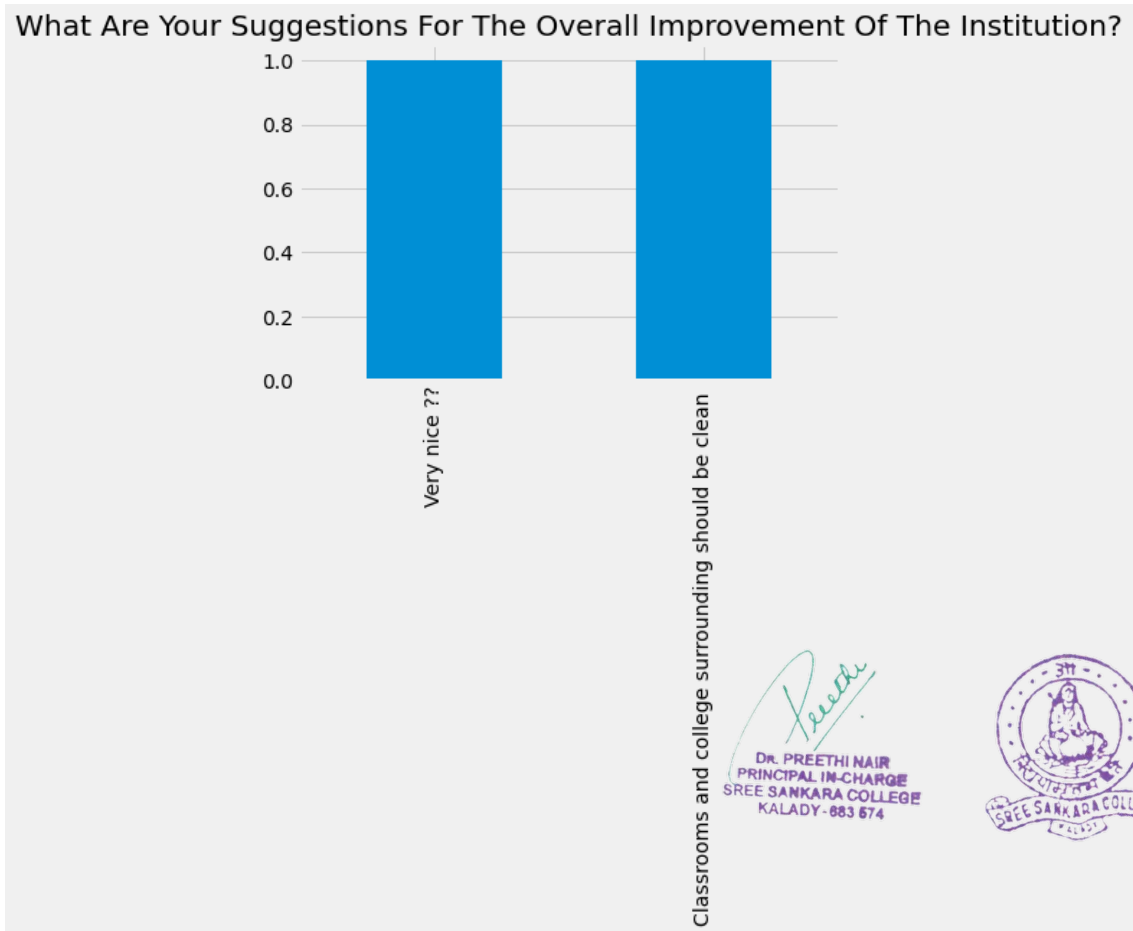


The dates of internal tests should be announced sufficiently earlier, giving enough time for the students to prepare for the test. The time of online classes, if any, should be announced sufficiently earlier.

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



[]:

[]: