

A Review of Hostel Students Regarding Facilities Provided By the College, Using Statistical Measures.

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ABSTRACT:

The institute aims to offer the best possible environment and learning experience to encourage students to perform to their full potential for academic achievement. Students, teachers, parents and alumni play an important role in the evaluation, development and the quality of every college . Feedback from students, teachers, parents and alumni helps the college to evaluate how its service policies and make changes as per stakeholders requirements. This paper aims to ascertain the adequacy of the hostels and other general facilities provided to the students and investigate the level of satisfaction of the students to the available facilities. Systematic preferred questionnaires were used in data collection from hostel students taken as the sample for the study. The collected information are analysed using several statistical tools and techniques. The study revealed that respondents were dissatisfied with the adequacy and functionality of some facilities such as purity of drinking water, lackness of mess facility, health center facilities and internet facility provided in college campus.

KEY WORDS: Hostel Life , Facilities ,Graphical Representation, Large Test, Level of Significance,

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I. INTRODUCTION:

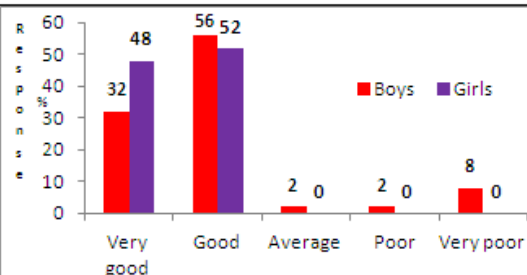
Education plays an important role in our life. For the economical and social development education is a must requirement, with the higher education sector becoming an increasingly competitive market, college student satisfaction has become an important component of quality assurance. The purpose of providing feedback to the students is to help teachers and students to identify their strengths and weaknesses. Feedback is an essential component in the learning and explains the gaps in knowledge and understanding, providing for reflection and development. Feedback at its best is pivotal in the learning and assessment process. (Orrell, 2006) In this article we study feedback on hostel facilities and general feedback of hostel students about college. We observe here are the students are satisfied with the hostel facilities and how they look at their college atmosphere. Because students satisfaction helps in attracting retaining high achievers who in turn increase reputation and

standing of the college. Maintaining and improving students satisfaction has been considered as an important goal of education and college with the assumption that student satisfaction is indicative of institutional effectiveness. Accessing student satisfaction provides a way that college can focus directly on issues of quality development in order to ensure that educational students are high. By considering all these things we decided to study in this article through feedback measure the satisfaction level of the students towards hostel and general facilities provided by R.C. Shahu College, Kolhapur. To achieve our aim, it is important to collect the response of the students from this college. We directly take the data from feedback form in the form of primary data and it analyzed through several statistical tools and techniques . In this study we focus on student feedback regarding on hostel and general facilities provided by the college.

Graphical Representation:

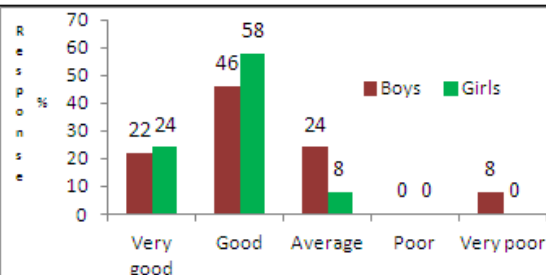
Conductive for U.G students to reside & study

Response in %	Boys	Girls
Very good	32	48
Good	56	52
Average	2	0
Poor	2	0
Very poor	8	0



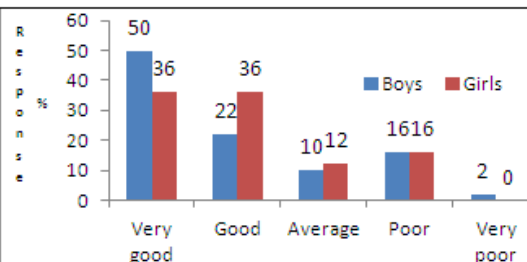
Adequacy of space in hostel.

Response in %	Boys	Girls
Very good	22	24
Good	46	58
Average	24	8
Poor	0	0
Very poor	8	0



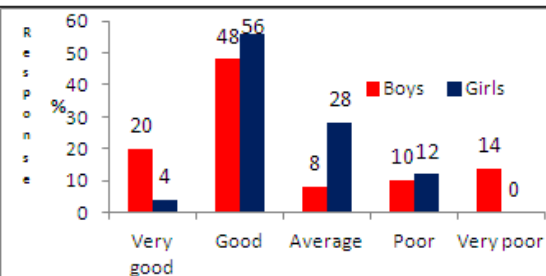
Cleanliness of the hostel.

Response in %	Boys	Girls
Very good	50	36
Good	22	36
Average	10	12
Poor	16	16
Very poor	2	0



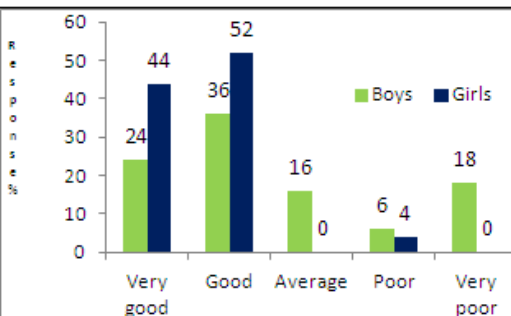
Hostel entertainment facility

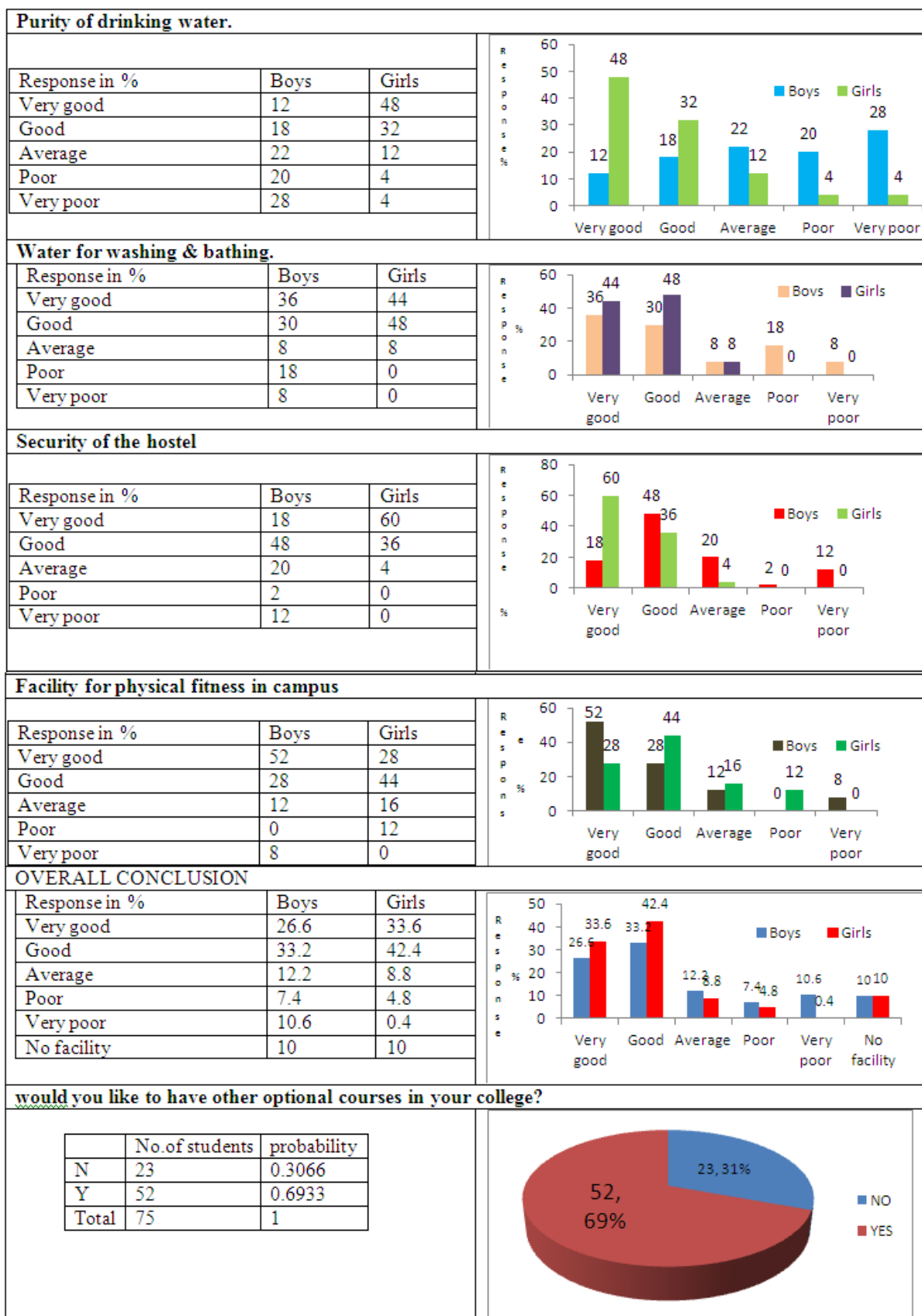
Response in %	Boys	Girls
Very good	20	4
Good	48	56
Average	8	28
Poor	10	12
Very poor	14	0



Hostel administrative staff.

Response in %	Boys	Girls
Very good	24	44
Good	36	52
Average	16	0
Poor	6	4
Very poor	18	0

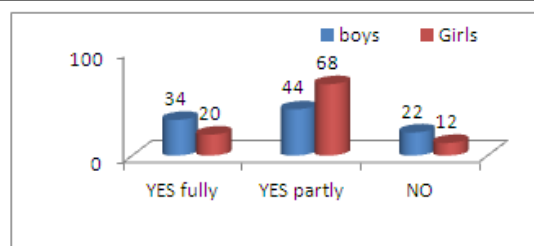




Was it possible to take a course in other department?													
<table border="1"> <thead> <tr> <th>X</th> <th>No. of students</th> <th>Probability</th> </tr> </thead> <tbody> <tr> <td>N</td> <td>25</td> <td>0.3333</td> </tr> <tr> <td>Y</td> <td>50</td> <td>0.6666</td> </tr> <tr> <td>Total</td> <td>75</td> <td>1</td> </tr> </tbody> </table>	X	No. of students	Probability	N	25	0.3333	Y	50	0.6666	Total	75	1	
X	No. of students	Probability											
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Y	50	0.6666											
Total	75	1											
Did you benefit from the interdisciplinary study.													
<table border="1"> <thead> <tr> <th>Response</th> <th>No. of students</th> <th>Probability</th> </tr> </thead> <tbody> <tr> <td>N</td> <td>45</td> <td>0.6</td> </tr> <tr> <td>Y</td> <td>30</td> <td>0.4</td> </tr> <tr> <td>Total</td> <td>75</td> <td>1</td> </tr> </tbody> </table>	Response	No. of students	Probability	N	45	0.6	Y	30	0.4	Total	75	1	
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Total	75	1											
Would you have liked to do interdisciplinary course.													
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Were you provided training in library use.													
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Weather a student would like internet facility outside office hours.													
<table border="1"> <thead> <tr> <th>Response</th> <th>No. of students</th> <th>Probability</th> </tr> </thead> <tbody> <tr> <td>NO</td> <td>34</td> <td>0.4533</td> </tr> <tr> <td>YES</td> <td>41</td> <td>0.5466</td> </tr> <tr> <td>Total</td> <td>75</td> <td>1</td> </tr> </tbody> </table>	Response	No. of students	Probability	NO	34	0.4533	YES	41	0.5466	Total	75	1	
Response	No. of students	Probability											
NO	34	0.4533											
YES	41	0.5466											
Total	75	1											

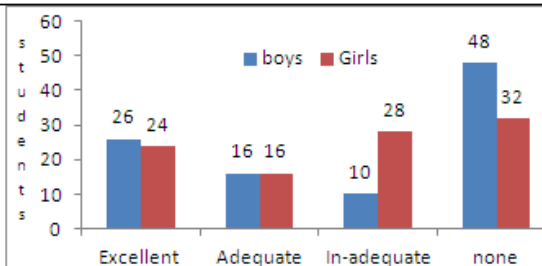
Were the laboratories/workshop adequately equipped & properly maintained?

Response in %	boys	Girls
YES fully	34	20
YES partly	44	68
NO	22	12



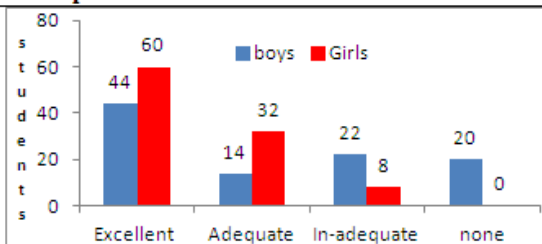
To what extend were you provide with computer internet facility on campus/department.

Response in %	boys	Girls
Excellent	26	24
Adequate	16	16
In-adequate	10	28
none	48	32



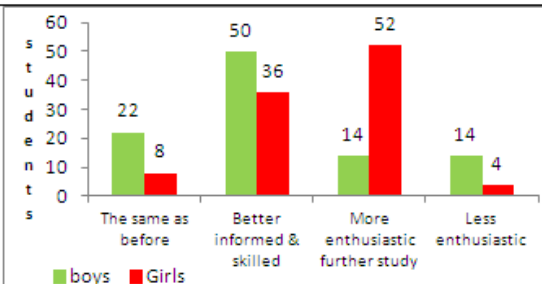
To what extend were you provide with sport facilities on campus.

Response in %	boys	Girls
Exllent	44	60
Adequate	14	32
In-adequate	22	8
none	20	0



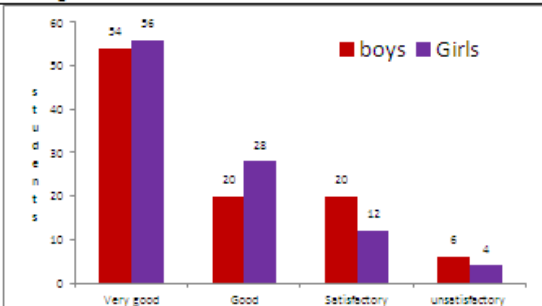
At the end of program of study you came out.

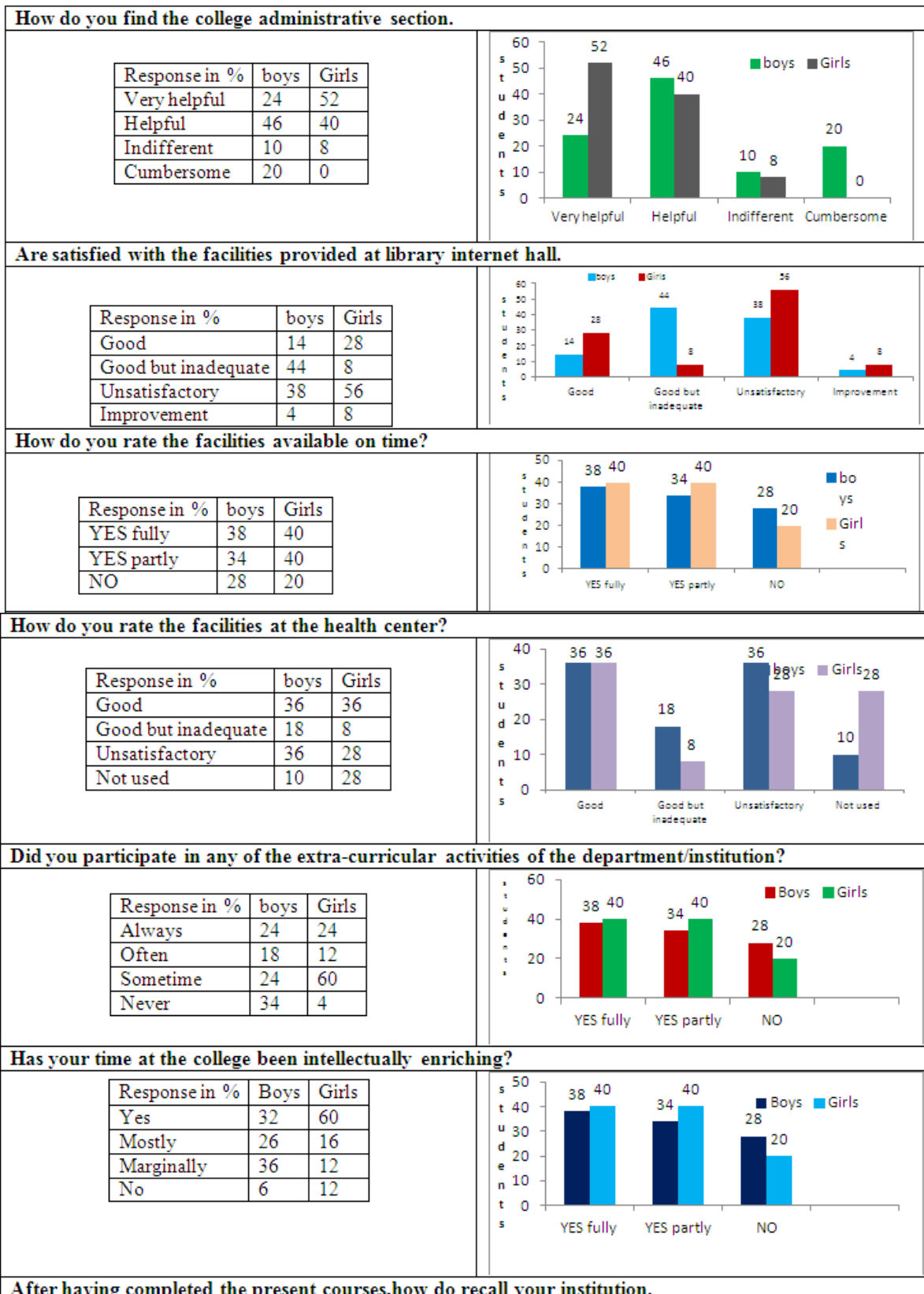
Response in %	boys	Girls
The same as before	22	8
Better informed & skilled	50	36
More enthusiastic further study	14	52
Less enthusiastic	14	4

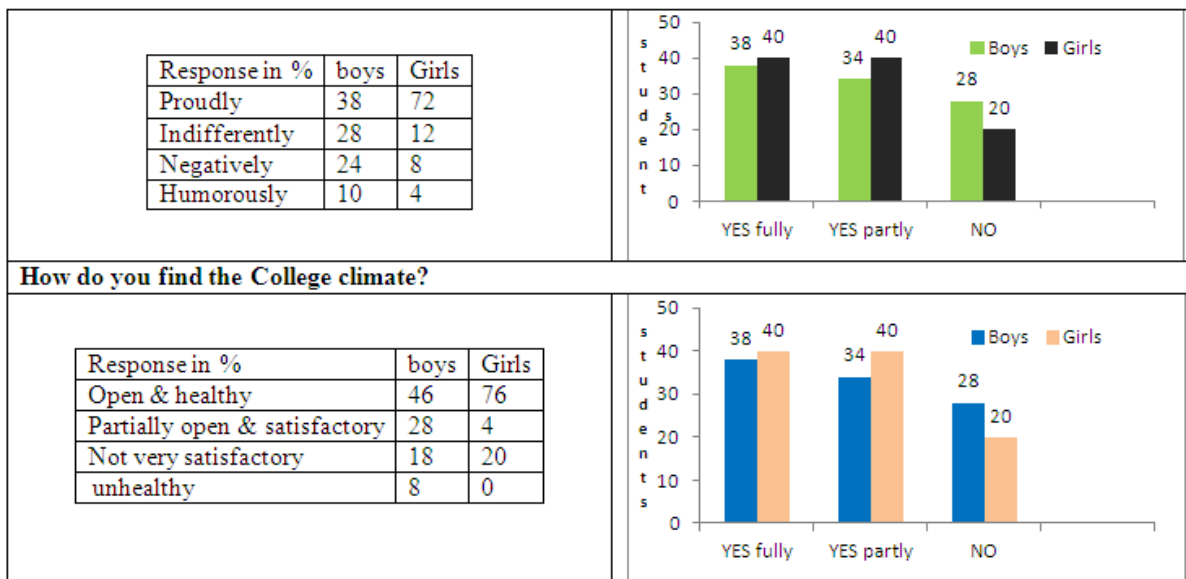


How do you rate the student-teacher relationship in your department?

Response in %	boys	Girls
Very good	54	56
Good	20	28
Satisfactory	20	12
unsatisfactory	6	4







Testing part:

Proportion Test:

a) **Test based on students interest in skill oriented courses available in college:**

H_0 : The students like to have some other skill oriented courses
 H_1 : The students don't like to have some other skill oriented courses
 i.e. $H_0: P=P_0$ v/s $H_1: P \neq P_0$
 We assume that $P_0=0.6$ Using test statistic,

$$|Z| = \left| \frac{P-P_0}{\sqrt{\frac{P_0Q_0}{n}}} \right| = 1.3471 \text{ and } Z_{\frac{\alpha}{2}} = 1.96$$

and $|Z| < Z_{\frac{\alpha}{2}}$

b) **Test based on students interest to take a skill oriented courses available in other department**

H_0 : It is possible to take a course in other department
 H_1 : It is not possible to take a course in other department
 i.e. $H_0: P=P_0$ v/s $H_1: P \neq P_0$
 We assume that $P_0=0.6$ Using test statistic,

$$|Z| = \left| \frac{P-P_0}{\sqrt{\frac{P_0Q_0}{n}}} \right| = 0.9622 \text{ and } Z_{\frac{\alpha}{2}} = 1.96 \text{ and}$$

$|Z| < Z_{\frac{\alpha}{2}}$

c) **Test based on benefit from the interdisciplinary study .**

H_0 : Students don't get benefit from interdisciplinary study
 H_1 : Student gets benefit from interdisciplinary study
 i.e. $H_0: P=P_0$ v/s $H_1: P \neq P_0$
 We assume that $P_0=0.5$ Using test statistic,

$$|Z| = \left| \frac{P-P_0}{\sqrt{\frac{P_0Q_0}{n}}} \right| = 1.7320 \text{ and } Z_{\frac{\alpha}{2}} = 1.96 \text{ and}$$

$$|Z| < Z_{\frac{\alpha}{2}}$$

d) **Test based on students interest in the interdisciplinary study .**

H_0 : Students like to do interdisciplinary course
 H_1 : Student dont like interdisciplinary course
 i.e. $H_0: P=P_0$ v/s $H_1: P \neq P_0$
 We assume that $P_0=0.5$ Using test statistic,

$$|Z| = \left| \frac{P-P_0}{\sqrt{\frac{P_0Q_0}{n}}} \right| = 0.7698 \text{ and } Z_{\frac{\alpha}{2}} = 1.96 \text{ and}$$

$|Z| < Z_{\frac{\alpha}{2}}$

e) **Test based on students response about the practical/ workshop of your courses sequenced integrally with theory classes**

H_0 : The practical/workshop component of student courses sequenced integrally with theory classes
 H_1 : The practical/workshop component of student courses not sequenced integrally with theory classes
 i.e. $H_0: P=P_0$ v/s $H_1: P \neq P_0$
 We assume that $P_0=0.5$ Using test statistic,

$$|Z| = \left| \frac{P-P_0}{\sqrt{\frac{P_0Q_0}{n}}} \right| = 0.5773 \text{ and } Z_{\frac{\alpha}{2}} = 1.96 \text{ and}$$

$|Z| < Z_{\frac{\alpha}{2}}$

f) **Test based on students response about the provided training in library use.**

H_0 : Students don't get training in library use
 H_1 : Student get training in library use

i.e. $H_0: P=P_0$ v/s $H_1: P \neq P_0$

We assume that $P_0=0.5$ Using test statistic,

$$|Z| = \left| \frac{P-P_0}{\sqrt{\frac{P_0Q_0}{n}}} \right| = 1.15470 \text{ and } Z_{\frac{\alpha}{2}} = 1.96 \text{ and}$$

$$|Z| < Z_{\frac{\alpha}{2}}$$

g) Test based on students response about the internet **facility outside office hours.**

H_0 : Students would like to internet facility outside office hour

H_1 : Student would not like to internet facility outside office hour

We assume that $P_0=0.5$

Using test statistic,

$$|Z| = \left| \frac{P-P_0}{\sqrt{\frac{P_0Q_0}{n}}} \right| = 0.7698 \text{ and } Z_{\frac{\alpha}{2}} = 1.96 \text{ and}$$

$$|Z| < Z_{\frac{\alpha}{2}}$$

Over all Finding:

Most students in boy hostel are dissatisfied with purity of drinking water and it was observe that the hostel has no mess facility. Maximum number of students would like to have some other skill oriented courses and to do the interdisciplinary courses. As well as students are not fully satisfied with facility provided at health center and with internet facility provided in college campus. Students are happy with **hostel administrative section. Also hostel students made good relation with teachers. students are agreed that they get excellent sport facilities in campus. sometimes participate in extracurricular activity of college.** Most of the hostel students says that college climate is open and healthy. So college organization make necessary changes in their polices to give these facility to hostel students made the is necessary improvement in the above facilities .

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