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Using Servqual Model to Assess Service Quality and Students Satisfaction in Pavia University – Italy

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ABSTRACT

Service quality and students satisfaction are very important concepts that universities must understand to be able to survive and remain competitive and grow.

Purpose: The purpose of this study is to assess the overall students satisfaction perceptions from Pavia university in Italy and investigate the differences in satisfaction perceptions of 18 departments (faculties), To find out the degree of student satisfaction with the services provided to them from the university, Another objective of this study is to clarify the extent to which the university's administration to improve the services provided to students so that they become appropriate to the dimensions of quality, so as to reduce the gap between expectations and the actual perception.

Methodology: A SERVQUAL model questioner was distributed randomly among the students at the university in all faculties to assess the quality of service as perceived by students.

Results: The results of this study show that In general, the students' satisfaction about service quality dropped from Expectation to perception of the students' which means that expectations exceeded perceptions and all the dimensions showed higher expectations than perceptions of services.

Keywords: Quality, Service Quality, perceptions, expectations.

BACKGROUND

Higher Education Institutions are currently facing a very fierce competition amongst themselves to acquire students for their survival; the ability of the university to attract a student is a very important factor for any university to survive and to enhance its financial stability. Students are the most important stakeholders for the survival and development of universities, far too little attention has been paid to explore students' experiences in their colleges and departments According to (Pariseau 1997), service quality is defined as the situation in which the consumer's perception of service performance meets or exceeds their expectation of what the service institution should do. The key to service quality, then, is to meet or exceed consumer expectations. One problem with measuring customers' satisfaction is that there may often be discrepancies between the consumer's viewpoints and the provider's understandings of what constitutes quality service.

The significance of this study is to help the university (Pavia) and other universities to improve the educational quality by using (adapting) SERVQUAL model, This study aims to answer the following main question: "What is the level of quality of services of Pavia university from the perspective of students according to SERVQUAL model?" this question will be stated in the following sub questions?

LITERATURE REVIEW

Assessment involves the use of empirical data on student learning to refine programs and improve student learning. (Assessing Academic Programs in Higher Education by Allen 2004) ,While Customer service can be defined as a combination of activities offered by the supplier or provider in order to improve the quality of the service, Quality is key for the survival of organizations in the global economy, while service quality is an approach to manage business processes in order to ensure full satisfaction of the customers which will help to increase competitiveness and effectiveness of the

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industry, According to (Geotsch and Davis 2003), quality can be defined as: "a dynamic state associated with products, services, people, processes, and environments that meets or exceeds customer expectation. According to (Lovelock 2001), education service is classified as a service with intangible actions, directed towards the minds of people, with continuous delivery, conducted through a partnership between the service organization and its client, while despite the fact that it provides high personal contact, there is low customization.

Measuring Service Quality in Higher Education

The measurement of service quality is often a comparison between what customers feel the service should offer and their evaluation and/or perception of the service's actual performance. Roberts and Rowley present this as the following formula: Quality = Customer's perception - Customer's expectations.

My study is mainly based on the discrepancy between expected service and perceived service from the university students' perspective. The ultimate goal is to obtain a better knowledge of how students perceive service quality in the university.

Research Hypothesis H1

There are statistically significant differences at level of significance $a \le 0.05$ between the perceptions and expectations of the students of Pavia University towards the service quality

METHODOLOGY

Research methodology focuses mainly on quantitative method and while the survey study is considered as a research technique. The SERVQUAL approach of Parasuraman et al 1988, used for measuring service quality in the targeted university. **Population and Sample** Given that the study is about measuring service quality of higher education in the university of Pavia from Italy, the students of Pavia university is the population for my study, where as Pavia university has a population of (24000) students, **Data Analysis technique**, Collected data analyzed by using appropriate statistical tools based on SERVQUAL method. – Statistical package for social science (SPSS), **Data analysis and results**, **Analysis of SERVQUAL** (**Service quality) model**, Following, the most important results of the statistical analysis for Service quality model dimensions (Tangibles, Reliability, Responsiveness, Assurance and Empathy) according to Expectation and Perception of students of PAVIA UN in Italy. The mean, standard deviation, and the relative important index were calculated for each dimension and each item in each dimension.

Tangibles

Table 5 show that the relative important index of students expectations of service tangibles is (71.6%) from students point of view, whereas the relative important index of students Perception of service tangibles is (64.8%) from students point of view. that indicates that the level of satisfaction of Pavia students on service tangibles dropped (6.8%).

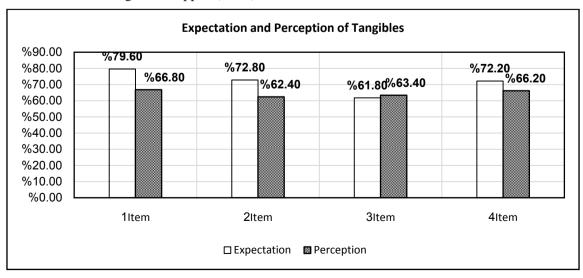


Figure 1. Level of Expectation and Perception for each item in Tangibles dimension

Figure 1. Illustrate the level of Expectation and Perception for each item in service tangibles dimension from students' point of view.

Reliability

Table 1 show that the relative important index of students expectations of service reliability is (81.4%) from students point of view, whereas the relative important index of students Perception of service reliability is (68.6%) from students point of view. that indicates that the level of satisfaction of Pavia students on service reliability dropped (12.8%). Figure 3 illustrate the level of Expectation and Perception for each item in service reliability dimension from students' point of view.

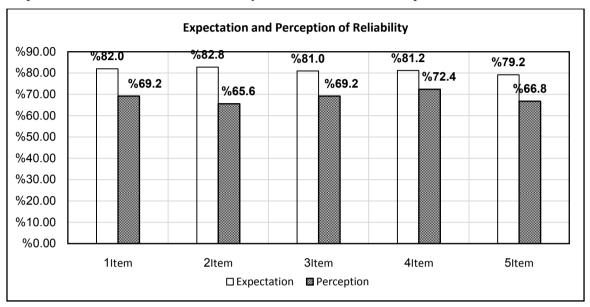


Figure 2. Level of Expectation and Perception for each item in Reliability dimension

Responsiveness

Table 2 show that the relative important index of students expectations of service responsiveness is (82.2%) from students point of view, whereas the relative important index of students Perception of service responsiveness is (67%) from students point of view. that indicates that the level of satisfaction of Pavia students on service responsiveness dropped (15.2%). Figure 2 illustrate the level of Expectation and Perception for each item in service responsiveness dimension from students' point of view.

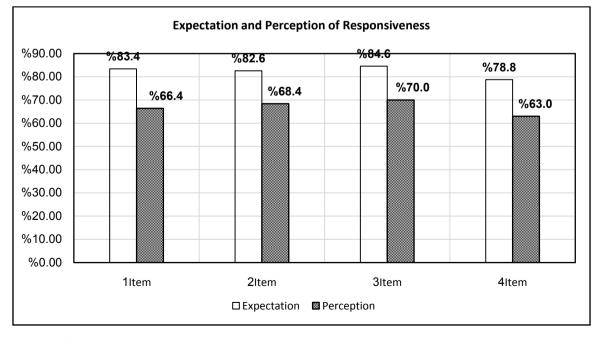


Figure3. level of Expectation and Perception for each item in Responsiveness dimension

Assurance

Table 3 show that the relative important index of students expectations of service assurance is (82.8%) from students point of view, whereas the relative important index of students Perception of service assurance is (70.4%) from students point of view. that indicates that the level of satisfaction of Pavia students on service assurance dropped (12.4%).

Figure 3 illustrate the level of Expectation and Perception for each item in service assurance dimension from students' point of view.

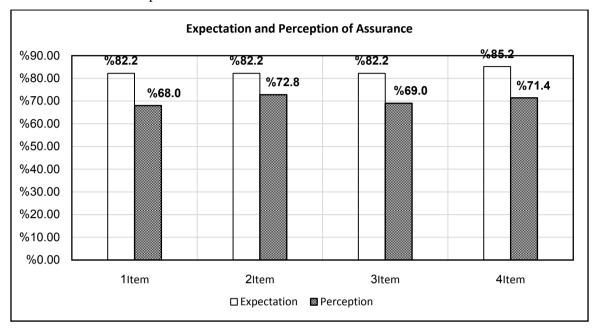


Figure 4. Level of Expectation and Perception for each item in Assurance dimension

Empathy

Table 4 show that the relative important index of students expectations of service empathy is (78.6%) from students point of view, whereas the relative important index of students Perception of service empathy is (64.6%) from students point of view. that indicates that the level of satisfaction of Pavia students on service empathy dropped (14%). Figure 4 illustrate the level of Expectation and Perception for each item in service empathy dimension from students' point of view.

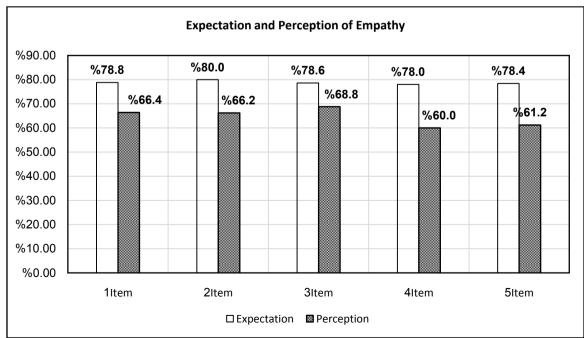


Figure 5. level of Expectation and Perception for each item in Empathy dimension

Table1.Mean, standard dev., Rank and Relative important index for each item in each dimension for Service quality model.

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Thabet Wael "Using Servqual Model to Assess Service Quality and Students Satisfaction in Pavia University – Italy"

students' requests.									
Total	4.11	0.67		82.2%	Total	2 25	0.79		67.0%
	tion of A		20	04.470		3.35 0.78 ction of Assurance			07.070
Items	Mean	SD	Rank	RII	Items	otion of Assurance Mean SD Rank			RII
You Expect that The	4.11	0.80	4	82.2%	The behavior of		1.02	4	68.0%
behavior of employees in		0.00	4	02.270	employees in your	3.40	1.02	7	00.070
excellent university will					university instills				
instill confidence in					confidence in you.				
students.					confidence in you.				
You Expect that students	4.11	0.84	3	82.2%	You feel safe in your	3.64	0.93	1	72.8%
of excellent university		0.0.		02.270	transactions with your		0.72	-	, 2.0,0
will feel safe in					university.				
transactions.					uni (uni) uni j				
You Expect that	4.11	0.87	2	82.2%	Employees in your	3.45	1.09	3	69.0%
Employees of excellent		0.07	_	02.270	university are	51.6	1.07		0,10,0
university will be					consistently courteous				
consistently courteous					with you.				
with students.									
You Expect that	4.26	0.89	1	85.2%	Employees in your	3.57	1.09	2	71.4%
Employees of excellent			_		university have the	- 10 .		_	
university will have the					knowledge to answer				
knowledge to answer					your questions.				
students' questions.]				
Total	4.14	0.65		82.8%	Total	3.52	0.81		70.4%
	tion of E	Empath	v			otion of	Empath	v	
Items	Mean	SD	Rank	RII	Items	Mean	SD	Rank	RII
You Expect that Excellent	3.94	0.99	2	78.8%	Your university gives	3.32	1.06	2	66.4%
university will give					you individual attention.				
students individual					Ĭ				
attention.									
You Expect that Excellent	4.00	0.92	1	80.0%	Your university has	3.31	1.17	3	66.2%
university will have					operating hours				
operating hours					convenient to all its				
convenient to all their					students.				
students.									
You Expect that Excellent	3.93	0.97	3	78.6%	Your university has	3.44	0.92	1	68.8%
university will have					employees who give				
employees who give					your personal attention.				
students personal									
attention.									
You Expect that Excellent	3.90	0.91	5	78.0%	Your university has	3.00	1.05	5	60.0%
	3.70				-	i	l	1	
university will have their	3.70				your best interest at				
					heart.				
university will have their					heart.				
university will have their student's best interests at		0.96	4	78.4%	heart.	3.06	0.96	4	61.2%
university will have their student's best interests at heart.	3.92	0.96	4	78.4%		3.06	0.96	4	61.2%
university will have their student's best interests at heart. You Expect that The employees of excellent	3.92	0.96	4	78.4%	heart. The employees of your university understand	3.06	0.96	4	61.2%
university will have their student's best interests at heart. You Expect that The employees of excellent university will understand	3.92	0.96	4	78.4%	heart. The employees of your	3.06	0.96	4	61.2%
university will have their student's best interests at heart. You Expect that The employees of excellent	3.92	0.96	4	78.4%	heart. The employees of your university understand	3.06	0.96	4	61.2%

SD=Standard Deviation, RII=Relative Importance Index.

 $RII = Mean \div 5 * 100\%$

HYPOTHESES TESTING

Hypothesis1

Stated that, "There are statistically significant differences between the perception and expectation of the services' quality of the students in Pavia University at 0.05 level". This hypothesis divided to five sub – hypotheses.H1.1: there are statistically significant differences between the perception and expectation level of Tangibles of the services' of the students of Pavia University at 0.05 level. H1.2: there are statistically significant differences between the perception and expectation level of Reliability of the services' of the students of Pavia University at 0.05 level. H1.3: there are statistically significant differences between the perception and expectation level of Responsiveness of the services' of the students of Pavia University at 0.05 level. H1.4: there are statistically significant

differences between the perception and expectation level of Assurance of the services' of the students of Pavia University at 0.05 level. H1.5: there are statistically significant differences between the perception and expectation level of Empathy of the services' of the students of Pavia University at 0.05 level.

To test these hypotheses Paired samples T-Test used to test if there are differences between the students' expectations and perceptions in Pavia University. The following table illustrates this:

Table2. Paire	ed samples	T-test	results
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Dimensions		Mean	St. Diff		erence	T-test	Sig.
			Dev	M	RII		
Tangible	Expectation	3.58	0.70	-0.34	%6.8	-6.40	0.000
	Perception	3.24	0.91				
Reliability	Expectation	4.07	0.71	-0.63	%12.6	-12.08	0.000
	Perception	3.43	0.69				
Responsiveness	Expectation	4.11	0.67	-0.77	%15.2	-13.43	0.000
	Perception	3.35	0.77				
Assurance	Expectation	4.14	0.65	-0.62	%12.4	-10.28	0.000
	Perception	3.52	0.82				
Empathy	Expectation	3.93	0.71	-0.71	%14.0	-13.06	0.000
	Perception	3.23	0.76				
Total	Expectation	3.97	0.54	-0.62	%12.4	-14.61	0.000
	Perception	3.35	0.60	1			

From the previous table we noticed that there is a statistically differences between the students' expectations and perceptions due to all dimensions (Tangibles, Reliability, Responsiveness, Assurance and Empathy); where the significance level of paired samples T-test was (0.000) for each dimension which is lower than 0.05 level. These results supported the first hypothesis.

Figure 6 shows comparison between Expectation satisfaction and Perception satisfaction, where the students' satisfaction level about "Tangibles" dropped (6.8%), the students' satisfaction level about "Reliability" dropped (12.6%), "Assurance" dropped (12.4%), the students' satisfaction level about "Responsiveness" dropped (15.2%) and the students' satisfaction level about "Empathy" dropped (14%). In general, the students' satisfaction about service quality dropped (12.4%) from Expectation to perception of the students' of Pavia University.

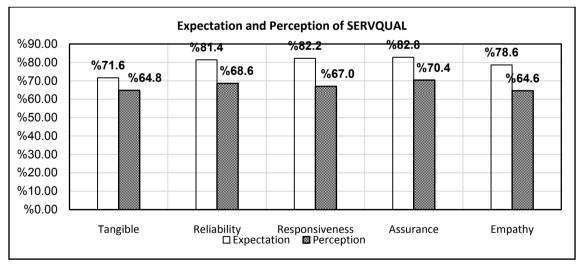


Figure 6. Level of Expectation and Perception for dimensions of SERVQUAL

RECOMMENDATIONS

- [1] Regarding to the first dimension (tangible), we recommend the university should have and use more modern equipment's, and the physical facilities have to be attractive appearance.
- [2] Regarding to the second dimension (Reliability), we recommend that the university should show a sincere interest in solving student's problems. And encourages its employees to show constant willingness to serve students.

- [3] Regarding to the third dimension (Responsiveness), we recommend the university to encourage their employees to (tell the students exactly when services will be performed, give the students prompt service, never too busy to respond to the students' request.).
- [4] Regarding to the fourth dimension (Assurance), we recommend the university to provide their Employees with the required knowledge to answer the students' questions, and to ensure that the behavior of the employees instills confidence with students, and they are consistently courteous with the them.
- [5] Regarding to the fifth dimension (Empathy), we recommend the university to give the student individual attention, and the employees of the university should understand the student specific needs.

BIBLIOGRAPHY

- Goetsch, D.L and Davis S.B (2003). Quality Management: Introduction to Total Quality Management for Production, Processing and Services. (4th ed.) New Jersey, Prentice.
- Lovelosk, C. Serviços: marketing e gestão. São Paulo: Saraiva, 2001.
- Pariseau, S.E., McDaniel, J.R. (1997), "Assessing service quality in schools of business", The International Journal of Quality and Reliability Management, 14, 3, 204.