

GSJ: Volume 10, Issue 5, May 2022, Online: ISSN 2320-9186

## www.globalscientificjournal.com

Service Quality of Pakistan International Airline now a days: A contextual study about PIA and their services After COVID.

Kamran Yaseen 1\*, Saim Irfan 1 and Mateen Shabbir 1, Malik Javid 2

- 1 Student of Aviation & Managment Department, Superior University Lahore, Pakistan;
- 2 Head of Department of Aviation Managment, Superior University Lahore, Pakistan
- \*Correspondence: kamran.mughal12223@gmail.com

Abstract: Pakistan international airlines are falling down its Passenger instead of other country like Thailand Airline. The other countries airlines giving classical consideration to how Passenger feel and how they want the service qualities from airlines. The other countries airlines remanded which part of service conditions are also significant than the others. The citation recommended some points that have important impacts on passenger comfort zone in the flag carrier of Pakistan:1) tangibility,2) responsiveness,3) Trustworthiness and 4) Affirmation. The problem we bring from this research paper is to bring up the service condition or its quality performance of Pakistan international airline. Due to service condition and quality the relation bond between customers and the airline is going down day by day. Due to this demand of our country flag airline going down day by day for travelling purposes. But in our research case we have selected the positivism philosophical research method which in next follows the deductive approach in which we have created. hypothesis used this method to deduct some theories and created highly structured approach. As per research and selection of philosophy and approach we will use the Quantitative method in which we will go deeply and have more dependency of knowledge. In this method we focus on the quantity of data provided.

**Keywords:** Service Quality, Passenger Satisfaction/ Comfort, Tangibility, Responsiveness, Trustworthiness and Affirmation.

#### 1. Introduction

The determination of this research is to review the impact of the quality level or service level Pakistan's international Airlines on the Passenger comfort and advise some ideas to achieve it in improved relief. Citation recommended many descriptions, some of them have great impact on Passenger comfort in international airlines of Pakistan. Hence, people of Pakistan are also anxious about security levels, decent staff, appropriate seats in cabin and active reply to their problem and minimum anxious about character consideration by Flight attendants. The basic purpose of this analysis or research paper is to boost observations within current position of the service condition of (PIA). Any airline that was operating its services condition is playing a big role or a well-known indicator of Pax comfort level and their attachment. Pax and head-track member of staff approach arranged numerous scales to in facility condition be there of the captured concluded character-command feedback form as well as features extractions toward customer attachment be there to strong-minded. Main statement and exploration accommodate to the Pakistan International Airline provision condition be present nearby to the ordinary which demonstrate the weakening state-owned the customer comfort zone then the attachment of the passenger with the airline. The Exploration never the individual cultivates to previous literatures now facilities advertising then user conduct relatively he too the commits now simplify Pakistan International Airline management trendy attempts toward the patch up to the client network thus the change carrier now the situation planned crowd.

Pakistan international airlines are falling down its Passenger instead of other country like Thailand Airline. The other countries airlines giving classical consideration to how Passenger feel and how they want the service qualities from airlines. The other countries airlines remanded which part of service conditions are also significant than the others like, people of Pakistan are also anxious about security levels than quality of service because in Pakistan the airlines have unsuccessful to entertain their passengers on the slightest level. General scenario of aircraft accidents or incidents has snatched the courage from the people pf Pakistan to fly in aircrafts like as Pakistan International Airline and Airblue. They desire slightly travel from other country airline. The main point of this paper is that, classify description in which Pakistan international airline are underdeveloped with absolute preference give to security factor of image. And there is very need to compare the Pakistani airlines with the foreign airlines to determine the areas of weaknesses.(Hamza Akram & Cavaliere, 2020)

Pakistan Global Air Company (PIA), Pakistan's standard airline which remained established ended to wreck of insufficient piston instruments of the insignificant Orient Airlines now 1954 then camouflaged on global field by way of the firm-developing commercial airline by remarkably accomplished opposing essence union. His glory lore include; it is chief Asian Carrier now 1960 to the managed clean plane Pax airplane Boeing-707 between to Karachi-UK segment it is very long subdivision, the head non-communalist flag performing the aerospace towards Best China then Moscow, consuming graded by way of top as well as best and maximum active carrier in time 1981 during Hajj procedure. Regardless very them an inordinate length of time the dignity besides achievement, at end of 1990s saying downturn trendy this one developing style then great upturn now working price by declining incomes. Meanwhile year 2000 the carrier's depressed presentation takes led he to a closely period of failure. Above to time's succeeding managements consume expressed relieve bundles finished amount the economic needles to the deal available near face above crew workers then their salaries and decision-making choker then letters then nobody takes completed toward make better that one working value then recover to Pax faith then comfort.

The observation keen on the situation makes a note work and to Pakistan International Airline now his yearly detail 2000 near 2013 then relevant works expresses management through; Utmost workers of the world the airplane relation, lump airplanes through great conservation price then increasing the percentage the disaster, continual postponements in addition to abandonment to the aeronautical. Importantly, feeble facility worth also working impotence consume unnatural the customers' assurance then honesty by the air company of Pakistan. Growing density to the PIA journeys interval besides abandonment, normal somewhat to their omission, remains modification travelers absent after the nationwide airline happening unique needle then acerbic business's model besides ineffectiveness proceeding the additional. PIA existence the facility association looks toward ignore accepted association among the provision condition in addition to client comfort.

Building dull image of the Pakistan International Airline performance in view, there is urgency to work very hard on multidirectional front face to make better its operational strength and critical competitiveness alike. And this is the signal on one hand for the betterment of the product model and the service condition on the other. Keeping in view the depraved bond and trust between PIA airline and passengers there is an acute need to consider the current standard of familiar service condition according to the passengers' need or what they expect from us. People of Pakistan specially the high standard, they are trying to changing their

lifestyle according to the lifestyle western countries that's the reason they are adhered to be those people who lived in Pakistan innovation for their owned advancement as like as for their country.

The problem we bring from this research paper is to bring up the service condition or its quality performance of Pakistan international airline. Due to service condition and quality the relation bond between customers and the airline is going down day by day. Due to this demand of our country flag airline going down day by day for travelling purposes. The government also don't invest or did not paying any attention for the betterment of this airline. Pakistan International Airlines (PIA) was successful airline in Pakistan at the end of 90s, but it's down fall started in 2000, mainly as a result of aviation policy issues, continuously changes in management, intrusion of unions and poor decisions.

All the Aviation organization from side to side all over the world obsolete very awkwardly hit by the Covid epidermic. PIA take some immediate plans start from February 2020 sooner many of the world-wide closedown starts, that consist of:

- Operating early renovation flights. Total number round about 300k Pakistanis have been repatriated, from many regions PIA had not formerly travel to.
- Immediately shifting to distant working.
- Acceptance of rigid travelling procedures to make sure the safety levels of passenger and crew.

In presence of COVID epidermic, PIA will carry on to look a very demanding and erratic environment. Preferences field of target will continue on cash outflow administration, encouraging and accommodating capability, and developing service conditions and safety.

There is main gap in this article is that the role of itself Passenger and Government in the betterment of conditions & services. The role of customer is to follow up rules & regulations given by the Airline.

The main aim of this research is to make an efficient bond or relation among between customers and Pakistan airline by their good work and service conditions & qualities because of the weak service quality clients of this airline they don't choose this airline for travelling. The main research aim was to describe or identify those service attitude that the passengers of this airline commonly consider much and least essential when travelling for domestic purposes. Overall, the service aspect was rated within the subsequent four dimensions' these four dimensions are "service of booking, cabin duty, flight attendants, and the flight punctuality.

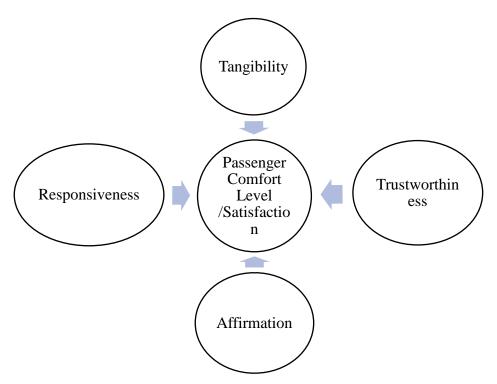


Figure 1. Theoretical Framework

# 2. Literature

## 2.1 Passenger Satisfaction

It is important to observe the aspect and effort on developing it so that you can made the users permanently stable and in the lengthy race turn them into logo diplomats(Tsafarakis, (2018). (Jiang, 2016)states that excessive-general passenger support can accomplish audience hearts and made an organization observable within its goal institution. As stated by using (Leong, 2015), Happy clients will never see your opponents' offers, Customers will heartily cooperate upon your image repeatedly, buy then suggest further objections. Successful clients are bound by the percentage of content on the web (Bhatti, 2020).

# 2.2. Tangibility

Solid functions are physical functions that the user can see. These will be the proofs that help the client decide on the first type of career. Qualifications are limited in the service area but the qualification play an essential part in shaping image of every offered career. In the case of airline enterprise, it was found that waiter's dressing, flight cabin interior decoration, and also

one thing that play a vital role in satisfying passengers at first sight is flight interior decoration. (Erdil, 2011) Give the impression that despite the fact that the airline has a provider output which is totally imperceptible, it cannot succeed in gaining the client's pleasure without the solid things inside the plane.

#### 2.3. Trustworthiness

The conception of flying achievements is derived by the conception of dependability. A flight is further dependable if it adheres to timetable & ensures that there are no delays before or after departure. (Sultan, 2000). Flight safety can be very important to consumers, in the absence of which, very few people are interested in experiencing any flight. (Mitic, 2014). (Leong, 2015) Observe that clients are more reliable in an airline if they guarantee you delivery on your vacation spot. on time. The impression that if there is a little bit of trust in an airline, clients are more likely to arrive early for their vacation and spend time alongside loved ones.

#### 2.4. Affirmation

Specialization subjects in all business entity, even if it is an air industry or any commercial entity. Personnel guidance can be important at every moment of an aircraft provider's customer procurement. (Sricharoenpramong, 2018) Observed there is a great interest for expert airport floor employee. For ground crew jobs at the airport, most airlines decide on the correct degree of inferior training too as at least experience within the enterprise of airport. (Farooq, 2018) emphasized Importance of private services provided to the Malaysian Airline's Passengers. Intimate offers are more likely if workers are honest, passionate and understand the needs of customers in a verbal exchange. (Prayag, 2007) Explained how to increase service efficiency with a group of professional and trained staff that ultimately saves some charges for this particular airline. If the staff recruited by the airline has a good service attitude, it can maintain a large percentage of the marketplace and excessive client happiness (Leong, 2015).

#### 2.5. Response

The desire to assist clients and give short a term support. The Passengers within don't like food they are given, the character should be given a chance to eat (Leong, 2015). The buyer's opinion about the airline business depends on how happy he or she was after the flight, so his or her court cases should be considered immediately used the twitter to model the evaluate publisher evaluation of almost distinct air modes in which that show the client need a fast react to the question both by way of the login system are to be able. The serving redesign to the assist can do

brief react provided to their customer a oneself-assessment or communication key on social networking.

## 2.6. Empathy

Compassion has to do with being sensitive to the feelings of others and being selective about what other them. They most effective method to service the continue a expand client is be too passionate around the client fulfil to specific a requirement considerate of themselves and they need to make each customer feel unique. company and select their most important single sponsor. Caring for clients with the help of their initial label, inspection their usual flying directions, tendency to fly & considering that, which may give them the desired seat whenever they perform a task. Airlines should do better in handling the problem in order to speak with compassion, no customer is interested in boarding the same aircraft where they complain about any problem and nothing has been finalized to resolve that difficulty( Prayag, 2007)

#### 2.7. Airline-service sector:

The aviation industry is too difficult quality to the assess. The based a variety and factors, all of contribute to the happiness of consumers. The concept of "consumer satisfaction in the airline business" is defined by (Silvia, 2006). The topic of service quality and satisfaction is covered in detail. According to research, the consumer's perception of a service is formed by a variety factors, including mental interaction and service attributes. Mental relationships are built on psychological benefits and are difficult to quantify, but service features can be evaluated in the same way as product features. Then there are two types of attributes to consider: the quality of processing and the quality of the result. Process quality refers to the individual customer evaluation and submission of its cooperation in the service case, while quality of results refers to the customer evaluation of the process outputs. As a result, the evaluate quality of the facility in view of fact it is immaterial, flexible, or mixed up. Because it is difficult to measure, calculate, evaluate, or verify. Services are different because they are difficult to achieve similarity because they are the product of interaction between people (customer and staff), rather than machines that produce the same things in series. Customer service may differ from company standards. Visual quality, coupled with a sense of satisfaction, is another important aspect of quality. There are three other levels of quality considered. So that detailed explained int it.

### 2.8. Challenges in Pakistan aviation:

Although the advent of satellite communications and record production to make wide scale range people of the less expensive or more effect the most client, flying place remains a vital and important necessity for all communities as it is a vital part of high the quality of life. (Din, 2004). Present although nearly a century ago, the industrial company have to near way in the give the impressive, relax able and laziness way to journey or so on. The succeeded in making to stadium smaller a worldwide townlet.

- Very much cost; prices for monopoly suppliers, e.g., airport costs, travel costs, gas fees, are beyond the control of airlines.
- Employees are subject to a maximum wage of between 18 and 38% of operating costs. It is manageable yet self-indulgent compare the know to hard the rewards of hard work can be.
- Competitive competition Many airlines come to business.
- Opposition to low fares is now international.

**Hypothesis 1** (H1): Here is an approximately clear impact on the competitiveness of service conditions and quality

Hypothesis 2 (H2): Tangibility has conclusive effect on Customer comfort level.

**Hypothesis 3** (H3): Conventional accuracy & safety has important effect on expected honesty & loyalty

**Hypothesis 4** (H4): Responsiveness has also good effect on Customer Comfort level.

### 3. Research Methods

### 3.1 Research Philosophy:

Basically, selected the **positivism** philosophy in which defined the surface of the knowledge, that is collected.

### 3.2 Research Approach:

The types of research approach is three i.e. Deductive, Abductive, inductive. But in our research case we have selected the positivism philosophical research method which in next follows the **deductive approach** in which we have created. hypothesis used this method to deduct some theories and created highly structured approach.

## 3.3 Methodology:

There are three types of methodological choices selected on the basis of research philosophy and research approaches: QUALITATIVE, MIXED METHODS, QUANTATIVE. As per our research and selection of philosophy and approach we will use the **Quantitative** method in which we will go deeply and have more dependency of knowledge. In this method we focus on the quantity of data provided.

# 3.4 Population & Sampling:

Our target population will be the **customers of Pakistan international airlines** that are facing these issues in the regarding field. We will conduct a survey and got some interviews from passengers and got the results from them. We will use the **probability sampling** technique in which the method of simple random probability technique will be chosen

#### 3.5 Data Collection Tool/Method:

The Collection method of data will be some easy questionnaire survey on service quality that will be quite easy and gives more result than any other collection method. And also, we got some interviews from passengers to confirm the results that we want.

# **Chapter 4: Analyzing**

Table 1 displays the reliability values. Cronbach's alpha, composite, and average variance extracted reliability techniques were used to guarantee the reliability of the research. (Tavakol, 2011), Cronbach's alpha varies from 0.70 to 0.95, however there are differing views on its acceptance. A low Cronbach's alpha might be due to poor inter-relatedness between items or heterogeneous conceptions, as well as a lesser number of questions. Cronbach's alpha reliability for this study is between 0.862 to 0.805, which are acceptable levels

Variables	Cronbach's Alpha	rho_A	Composite Reliability	Average Variance Extracted (AVE)
Airline performance	0.805	0.806	0.872	0.631
Service Quality_	0.862	0.872	0.893	0.513

Table1. Reliability

Furthermore, an acceptable composite reliability (CR) value is 0.70 or higher, whereas an acceptable average variance extracted (AVE) value is 0.50 or higher (Alarcón, 2015). In this study, the lowest value of CR is 0.872, which is higher than the minimum acceptable value, and the minimum value of AVE is 0.513, which is also higher than the minimum acceptable value. As a result, the construct's level of variance (AVE) and the less biased estimate of reliability (CR) are both acceptable in this study.

Table 2. Discriminant Validity

# Fornell-Larcker Criterion

	Airline performance	Service Quality_
Airline performance	0.716	
Service Quality_	0.780	0.716

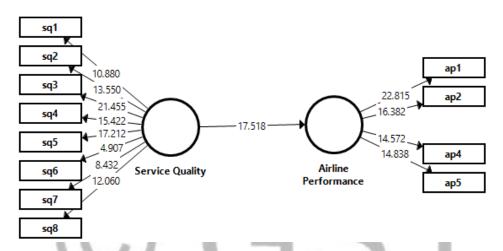


Figure 2. Confirmatory Factor Analysis

Table 3. Path Coefficients

# Mean, STDEV, T-values, P values

	Original Sample (O)	Sample Mean (M)	Standard Deviation (STDEV)	T Statistics ( O/STDEV )	P Values
Service Quality_					
-> Airline	0.780	0.786	0.045	17.244	0.000
performance					

 Table 4. Outer Loadings

	Original Sample (O)	Sample Mean (M)	Standard Deviation (STDEV)	T Statistics ( O/STDEV )	P Values
ap1 <- Airline performance	0.810	0.813	0.036	22.277	0.000
ap2 <- Airline performance	0.807	0.804	0.053	15.246	0.000
ap3 <- Airline performance	0.262	0.262	0.132	1.986	0.048
ap4 <- Airline performance	0.790	0.785	0.060	13.202	0.000

ap5 <- Airline	0.753	0.754	0.051	14.628	0.000
performance					
sq1 <- Service	0.702	0.695	0.070	10.061	0.000
Quality_					
sq2 <- Service	0.753	0.748	0.057	13.147	0.000
Quality_					
sq3 <- Service	0.810	0.808	0.038	21.077	0.000
Quality_					
sq4 <- Service	0.758	0.759	0.047	15.984	0.000
Quality_					
sq5 <- Service	0.789	0.785	0.049	16.231	0.000
Quality_					
sq6 <- Service	0.546	0.542	0.115	4.749	0.000
Quality_					
sq7 <- Service	0.644	0.638	0.075	8.573	0.000
Quality_					
sq8 <- Service	0.692	0.690	0.060	11.488	0.000
Quality_					

 Table 5. Outer Weights

	Original	Sample	Standard Deviation	T Statistics	P Values
	Sample (O)	Mean (M)	(STDEV)	( O/STDEV )	
ap1 <- Airline	0.333	0.332	0.027	12.333	0.000
performance					
ap2 <- Airline	0.291	0.289	0.023	12.662	0.000
performance					
ap3 <- Airline	0.100	0.100	0.049	2.021	0.044
performance					
ap4 <- Airline	0.299	0.295	0.026	11.326	0.000
performance					
ap5 <- Airline	0.309	0.309	0.032	9.532	0.000
performance					
sq1 <- Service	0.155	0.153	0.022	7.184	0.000
Quality_					
sq2 <- Service	0.173	0.171	0.017	10.059	0.000
Quality_					
sq3 <- Service	0.191	0.191	0.016	12.025	0.000
Quality_					
sq4 <- Service	0.204	0.205	0.019	10.733	0.000
Quality_				10.00	
sq5 <- Service	0.188	0.189	0.018	10.685	0.000
Quality_	0.122	0.101	0.000	2.00=	2.000
sq6 <- Service	0.133	0.134	0.033	3.997	0.000
Quality_					
sq7 <- Service	0.140	0.140	0.023	5.953	0.000
Quality_	0.000	0.001	0.000	10.071	0.000
sq8 <- Service	0.203	0.204	0.020	10.271	0.000
Quality_					

## 5. Implication and discussion

Passenger satisfaction is generated by an assessment of passenger engagement and the controllability of the service breakdown, according to the findings of this study. This shows that consumers are more tolerant to unpredictable service failures, such as the COVID pandemic lockdown, than uncontrollable attributions failures, such as on strike pilots. Passenger consider that the responsible entity of service provider for fixing the issue as a result of collaborative recovery. (Roggeveen, 2012) who looked at service failure due to severe weather as another type of uncontrolled attribution, agreed with this conclusion.

However, requiring consumers to fully resolve the service problem on their own places them in an unfair position. Passenger still expect the firm to help them address the problem, such as personnel attention or accompanying, to some level. This is reinforced by (Collier, 2017)who discovered that the extra staff who away over restoration efforts, the greater the passenger happiness. Furthermore, even in an uncontrolled attribution, self-serving bias appears to exist in customers. Passenger were fewer inclined to accept duty for themselves by reason of the self-serving bias, according to (Bendapudi, 2003) This explains why, when compared to joint recovery, Passenger return does not result in better passenger satisfaction.

This research also reveals that increased customer engagement does not improve consumer satisfaction with recovery. Customers believed that the corporation was totally liable for a controlled service failure, such as a pilot strike, because the company could handle the situation. As a result, in order to generate equity for consumers, businesses should convey extra or all of the recovery input than their Passengers. Inshort, asking consumers for feedback in a controlled service failure will place them in an uneven position, leading to their displeasure.

Customer continue to seek the company's help in resolving the working outage, which is still its obligation. Second, for uncontrolled failure of the services like the Pandemic lockout, cooperative recovery has been shown to improve customer satisfaction. In this situation, inviting customers to participate in the company's rehabilitation is a good idea. If the service breakdown is controlled, service providers should choose corporate recovery. Customers want enterprises to contribute more throughout the recovery process, thus service providers should demonstrate their efforts clearly to them.

#### 6. Conclusion

Pakistan Global Air Company (PIA), Pakistan's standard airline which remained established ended to wreck of insufficient piston instruments of the insignificant Orient Airlines now 1954 then camouflaged on global field by way of the firm-developing commercial airline by remarkably accomplished opposing essence union. His glory lore include; it is chief Asian Carrier now 1960 to the managed clean plane Pax airplane Boeing-707 between to Karachi-UK segment it is very long subdivision, the head non-communalist flag performing the aerospace towards Best China then Moscow, consuming graded by way of top as well as best and maximum active carrier in time 1981 during Hajj procedure. Regardless very an inordinate length of time the dignity besides achievement, at end of 1990s saying downturn trendy this one developing style then great upturn now working price by declining incomes. Due to service condition and quality the relation bond between customers and the airline is going down day by day. Due to this demand of our country flag airline going down day by day for travelling purposes. The government also don't invest or did not paying any attention for the betterment of this airline. Pakistan International Airlines (PIA) was successful airline in Pakistan at the end of 90s, but it's down fall started in 2000, mainly as a result of aviation policy issues, continuously changes in management, intrusion of unions and poor decisions.

According to (Rhoades & Waguespack, 1999) Passengers may additionally use such times / impressions due to their deep observation or overall decision about the airline. The research explains some of the characteristics of the best service in the airline enterprise that have a profound effect on the perception of consumers regarding the provider and broaden the image of the provider carrier. Although the advent of satellite communications and record production to make wide scale range people of the less expensive or more effect the most client, flying place remains a vital and important necessity for all communities as it is a vital part of high the quality of life.

After that in research philosophy positivism is selected for gathering or collecting data. Deductive approach is used in research approach method. Furthermore, in methodology Quantitative method is used. And some questionnaires are used to collect research data. After collect data the result analyzing is almost good and this result shows that we can further research on this topic or problem. The values in PLS report almost good.

## 7. Research Limitation & Future Research

Research limitation is to make an effective bond or connection among clients and Pakistan carrier by their great work and administration conditions and characteristics due to the

frail assistance quality clients of this aircraft they pick this aircraft for voyaging. The principal research point was to portray or recognize those assistance mentality that the travelers of this carrier generally think about a lot and least fundamental while going for homegrown purposes. Because of this interest of our nation banner carrier going down step by step for voyaging. The public authority additionally contributes or giving no consideration to improve this carrier. Future Research can gather information from various places of time to approve the discoveries of this exploration. The Future research of the world to started to completely feel the effects of the COVID-19 pandemic and scarcely any businesses have been essentially as hard hit as the flying business. Accordingly, the future research more exploration is expected to work on the comprehension of the standards of administration quality and consumer loyalty, as well as how they are assessed, since these ideas are basic for administration associations maintainability and advancement. A more prominent example size ought to be utilized in a comparative report with the goal that the discoveries could be applied to a bigger populace. Research on the impact of lacking client support on consumer loyalty, the effect of client maintenance procedures on consumer loyalty levels, and the effect of administrative approaches on consumer loyalty is additionally suggested. Such exploration ought to be led consistently to follow administration quality and consumer loyalty levels and, therefore, roll out fitting improvements to address any that might exist.

#### References

- Alarcón, D. S., J.A.; De Olavide, U. (2015). Assessing convergent and discriminant validity in the ADHD-R IV rating scale: User-written commands for Average Variance Extracted (AVE), Composite Reliability (CR), and Heterotrait-Monotrait ratio of correlations (HTMT). In Proceedings of the Spanish STATA Meeting, Madrid, Spain.
- Bendapudi, N., Leone, R.P.,. (2003). Psychological implications of customer participation in co-production. J. Mark. 67(1).
- Bhatti, A., Rehman. (2020). The Moderating role of Subjective Norms between Perceived Risks and Online Shopping Behavior. International Journal of Advanced Science and Technology, .
- Collier, J. E. (2017). Giving back the "self" in selfservice: customer preferences in self-service failure recovery. J. Serv. Mark. 31 (6),.
- Din, H. (2004). Challenges for the commercial airline industry in Pakistan.Marketing Forces Vol.2 No.4.
- Erdil, S. (2011). Measuring service quality and a comparative analysis in the passenger carriage of airline industry. Procedia-Social and Behavioral Sciences,.
- Farooq, M. (2018). Impact of service quality on customer satisfaction in Malaysia airlines: A PLS-SEM approach. Journal of Air Transport Management,.

- Hamza Akram, A. U. K., Anam Javaid, Talat, Syed, & Cavaliere, K. R. a. L. P. L. (2020). The Elements of Service Quality and
- Customer Satisfaction Role in Airline Industry of Pakistan, International Journal of
- Management, 11 (9),.
- Jiang, H., & Zhang, Y. (2016). An investigation of service quality, customer satisfaction and loyalty in China's airline market. Journal of air transport management, 57, 80-88.
- Leong, L. (2015). An SEM–artificial-neural-network analysis of the relationships between SERVPERF, customer satisfaction and loyalty among lowcost and full-service airline. Expert Systems with Applications, 42(19), 6620-6634.
- Mitic, M. (2014). Uncovering customer service experiences with Twitter: the case of airline industry. Management Decision,.
- Prayag, G. (2007). Assessing international tourists' perceptions of service quality at Air.
- Roggeveen, A. L. (2012). Understanding the co-creation effect: when does collaborating with customers provide a lift to service recovery? J. Acad. Mark. Sci.
- Silvia, G. a. (2006). Customer satisfaction in the airline industry, Quality. Reliability. Engineering. Int.
- Sricharoenpramong, S. (2018). Service quality improvement of ground staff at Don Mueang International Airport. Kasetsart Journal of Social Sciences.
- Sultan, F., & Simpson Jr, M. C. (2000). International service variants: airline passenger expectations and perceptions of service quality. Journal of services marketing,.
- Tavakol, M. D., R. (2011). Making sense of Cronbach's alpha. Int. J. Med Educ.
- Tsafarakis, S. ((2018). A multiple criteria approach for airline passenger satisfaction measurement and service quality improvement. Journal of Air Transport Management.