

## CONCEPTUALISING THE SERVICE EXCELLENCE AND ITS ANTECEDENTS: THE DEVELOPMENT OF STRUCTURAL EQUATION MODEL

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### *Abstract*

Increasing and maintaining service excellence in the tourism and hospitality industry are known to enhance the customers' satisfaction which could bring more profits to the organizations. This paper focuses on the antecedents of service excellence, in particular the relationship with service characteristics, empowerment of employees, service excellence, and its impact on the selected outcomes. Using the existing literature, a proposed structural equation model with its associated hypotheses is developed to explain the relationship between service experience antecedents and its associated outcomes. Hence, the proposed model provides understanding on the inter-linkages among service excellence, its antecedents and the outcomes. It provides some clearer insights into the importance of managing customer service experience which can contribute to customer satisfaction as well as enhancing organization competitive advantage. Thus the empirical work is required to test various research propositions empirically. The Implications for the practitioners are also discussed.

Keywords: service excellence, empowerment, service quality, customer satisfaction

### *Abstrak*

*Service Excellence* pada industri pariwisata digunakan untuk meningkatkan kepuasan konsumen yang pada akhirnya akan meningkatkan keuntungan perusahaan. Penelitian ini berfokus pada awal dari *service excellence* khususnya berhubungan dengan karakteristik jasa, pemberdayaan pekerja, dan pengaruhnya terhadap *output* dari *service excellence*. Penelitian ini melakukan konseptualisasi metode SEM untuk menghasilkan proposisi. Penelitian ini menghasilkan temuan yang penting bagi pengelolaan *customer service* yang berkontribusi pada kepuasan konsumen dan meningkatkan keunggulan kompetitif perusahaan. Penelitian lanjutan dibutuhkan untuk menguji proposisi yang dihasilkan dan dampaknya bagi dunia bisnis.

Kata kunci: *service excellence, empowerment, service quality, customer satisfaction*

## 1. Research Background

Organisations are increasingly providing service excellence in order to win the customers' heart and stay competitive in the market. Service excellence forms an integral part of any superior service (Berry and Parasuraman, 1992). The giant service organisations such as Disneyworld and Marriott Corporation use service excellence as their theme for success. However, many businesses that are trying to offer service excellences are not so successful in making it happen especially to retain the customers in the organisation. Many of them are not very certain with the key factors that could influence the delivery of service excellence. In particular, there is very little evidence available with regards to the antecedents of service excellence from services marketing perspectives. Some of the previous researches on service excellence concentrated only on specific issues such as culture, empowerment and operating process (Kim and Kleiner, 1996). Rigorous empirical research in this area remains inadequate.

Suitable marketing strategy which involves relevant component is indeed very important in services. This is due to its role; to satisfy the needs and wants of the customers. Moreover, the current era i.e. customer's orientation marketing is very concern with the customers' needs and requirements. Likewise, the mediocre success of many service businesses suggests that there is still much to understand about service excellence especially in the area of hotel industry for example. Providing service excellence is not an easy task and not as straightforward as many organisation may think. It involves a combination of many elements from the design of service processes; the environment of the organisation; the participation as well as the performance of the employees.

There has been a growing concern in most of the service organisations that delighting customers is essential to maintain the competitiveness in the dynamic world nowadays. According to Brown et al. (1992), customer satisfaction is no longer constitutes the convincing factor for success, but customer delight is more relevant. Rather than just satisfying them, delighting appears to bring more advantages to the organisations. One of the key concerns could be related to the fact that satisfied customers may not last longer with the company because even though they are satisfied, they may defect at a high rate (Schneider and Bowen, 1999). Increasing and maintaining service excellence in the service industry are known to enhance customers' satisfaction which brings more profit to the organisations. According to Cina (1990), there are five critical steps to be followed in order to achieve service excellence. The steps are, know the moments of truth; inventory the moment of truth; assess the importance/performance of each contact; establish service management discipline and implement your action plan. All of these require involvement of various components such as service process and delivery, service environment, employees' role performance, and customers' participation.

The finest organisations, by and large do not relinquish customer experience by accident. They "harness the power of their people, their culture, their management, their end-to-end processes, and their system to design and deliver the wow factor" (Millard, 2006). Effective service strategies are therefore vital to enable the organisation to enhance convenience and customer

value at each stage (Bolton et al., 2006). Notwithstanding its significance and despite a growing number of studies on the impact of service excellence on service quality, customer satisfaction, organisation performance and others, little has been written about service excellence and how organizations can achieve delighted customers. The question such as what are the determination keys of service excellence that have been left virtually unanswered in the (services) marketing literature.

Therefore, the paper aims to contribute to the literature on service marketing as well hospitality and tourism industry by developing and testing a model (future plan) empirically that attempts to explain what factors determine the service excellence in the service transaction in delivering value-added services to establish enduring customer-firm relationships as well as customers satisfaction. Briefly, this paper predicted that services excellence components or antecedents have some influences on services excellence. It is also proposed that service excellence will have positive relationship with its associated outcomes namely service quality, customer satisfaction and repurchase intention. The remaining sections of this paper are structured as follows. First, the paper will explain the research background and literature review. The paper will then briefly discuss the conceptual framework which is based on the structural equation model approach. This is followed by discussion and suggestions for future empirical research.

Drawing from services marketing and management theory, this paper explores the effects of selected services attribute or component on service excellence that is suitable in a high contact service. Despite its widespread importance in delivering service excellence to its customers and a growing amount of academic literature attention to the topic, little is known on the importance of service excellence and its outcomes. Moreover, almost none of the empirical research has attempted to validate the key drivers to service excellence. With the Malaysian hospitality and tourism sectors growing at a rapid rate, it is imperative that the industries uncover suitable precursor to service excellence since it may contribute many benefits to both customers and organisations. By thoroughly understand what services elements such as service process, environment and employees can do and help in promoting service excellence, organisations in hospitality and tourism industry can better ensure that those elements can be fully utilised and maximised to help the organisations to maintain its competitiveness in the market. As such, the purpose of this paper is to propose a structural model of service excellence antecedents and its selected associated outcomes.

Therefore, the primary objective of this paper is to examine the drivers of service excellence and illuminate if those drivers have any impact on service excellence and its selected outcomes. In essence, this paper will try to find out on how the organisations go about in delivering service excellence. This paper uses previous service marketing theories as the organising framework to propose the drivers or antecedents of service excellence and its selected outcomes. Accordingly, this paper specifically seeks to answers the following questions: a) Will service process and delivery drive service excellence?; b) Will service environment drive service excellence?; c) Will employee

performance drive service excellence?; d) Will customer participation drive service excellence?; e) Will employee emotions drive service excellence?; f) Will service excellence give impact to the service quality?; g) Will service excellence give impact to customer satisfaction?; h) Will service excellence give impact to customer repurchase intention?

Consequently, this paper proposes a structural equation model to test these questions and to validate the proposed service excellence antecedents.

## 2. Literature Review

One of the most extensively studied constructs in the services marketing literature is service excellence. Significant research and managerial attention has been devoted to study this area more than 20 years ago (Zeithaml, 2002). Service excellence is being viewed as “easy to do business with” (Johnston, 2004). It requires service organisations to deliver their promises and have good system in place to deal with it. Service excellence has been given considerable attention in the services marketing and management literature. Service organisations that adopt marketing concept hold a belief that they ultimately achieve success through the provision of customer satisfaction (Deshpande et al., 1993). According to Oliver (1997), excellent service is “an expression of very high satisfaction” resulting from “surprisingly good performance”. This suggests that, service organisation does not only need to satisfy the customers but the organisation has to delight them as well. This is crucial because delight is constantly viewed as a result of service excellence that exceeds expectation (Grönroos, 1990; Schneider and Bowen, 1999).

It is therefore, ultimately important to delight and satisfy the customers because dissatisfied customers are not inclined to come back (Moore, 1990). So far, it has been very little empirical conducted on the service excellence construct itself. Even the definition and concept of service excellence are still blur and not well established. Most of the literature is rather on conceptual basis and concentrates on the theoretical perspectives only. The notion of service excellence issue is discussed from or through other perspectives such as service quality (Zeithaml, 2002), service empowerment (Antonacopoulou and Kandampully, 2000), and culture and development (Kim and Kleiner, 1996). The previous empirical work on service excellence had almost exclusively focused upon looking at general service excellence such as leadership for service excellence (Wirtz et al., 2008), definition (Johnston, 2004), service quality balance score-card (Jones, 2004) and service excellence programme (Hesslink and Assem, 2002). Indeed service excellence constructs in the organisation context tend to be both overlooked at the managerial and employee level and under-researched academically. This is surprising given the importance of service employees and the social relationship between employees and customers.

Thus, this paper is attempted to shed the light by looking at the important factors that could have effect on service excellence. It is argued in this paper that there are several components or factors that may influence the service excellence as perceived by customers. Increasingly, research scholars are advocating that a commitment to service excellence will ensure higher service

quality, more customer satisfaction, and greater intention for them to repurchase. Service excellence is not driven by a single component but requires a consolidation of several components to build its excellence entity. Hence, drawing on the services marketing and management theory, these components or antecedents are expected to positively influence service excellence and are expected to have positive effect on the outcomes such as service quality, customer satisfaction and intention to repurchase. The following section will discuss the relationships between the constructs of the conceptual framework, model and derivation of relevant hypotheses.

### 2.1. Antecedents of Service Excellence

The suitable and well designed service process and delivery to meet individual customers' need and requirement have become a crucial goal for most of the service organisations. Service processes explain the method and sequence in which the service operating systems work and how they link together to create the service experience and outcome that customers will value (Lovelock et al., 2005). This is achieved through many elements such as the design and flow of the service, and many others. The characteristics of good service process such as flexibility and customisation in service encountered for example, is highly appreciated by customers (Bettencourt and Gwinner, 1996). Well planned service may directly contribute to some favourable impacts on customers' evaluation especially in term of the whole service excellence. Therefore, it is suggested that well designed service process and delivery can enhance customers' perception of service excellence.

**P<sub>1</sub>:** Service process and delivery is positively associated with service excellence.

Service environment or services cape is related to the style and appearance of the physical surroundings and others. The effect of the physical atmosphere and environment in service organisation is found to have some impacts on customers which later become part of the service experience (Lovelock et al., 2005). Dube and Renaghan (2000) also confirmed the importance of architecture and design as key value drivers for guests. This may influence the customers' perception of quality and service excellence. Pleasure, arousal, scent and music for example, have been found to have interactive effects in influencing customers' behaviour positively (Matilla and Wirtz, 2001; Dube et al., 1995). This may lead customers to positively perceived higher service excellence. An outstanding coffee consumption experience provided by the successful coffee business such as *Starbucks* promised service excellence through relaxing atmosphere to help customers unwind them and have a break. This is clearly one important element of service environment that may bring service excellence perceived by customers. In line with this, the following proposition is offered:

**P<sub>2</sub>:** Service environment is positively associated with service excellence.

Service employees are the main source for delivering service excellence and productivity (Wirtz et al., 2008). Service excellence provided by the organisation to external customers is often overshadowed by the internal activities and service processes by the internal customers that are the employees (Hays, 1996) or known as employee performance. Employee performance refers to behaviours performed by the service providers or employee in serving the customers of the company (Bettencourt and Brown, 1997). An effective internal service excellence performed by the employees can be a source of competitive advantage to the organisation. For many years, service providers are regarded as an important asset to the organisations and viewed as source of differentiation and competitive advantage (Pfeffer, 1994). Moreover, it has been proposed that a personal interaction between service provider or employee and customers or known as service encounter, is at the heart of most services (Surprenant and Solomon, 1987). The previous research has provided evidence that high employee performance can have positive impact on the whole service experience which contributes to service excellence. It is therefore propositioned that:

**P<sub>3</sub>:** Employee performance is positively associated with service excellence.

Customers are increasingly play active and even leading roles in service production and delivery processes (Xue and Harker, 2002) in most of the service organisation. The nature of service characteristic that is highly simultaneous requires customers to be part of the service transaction or to be a co-producer. Customer is required to participate in terms of supplying suitable/necessary information, triggering service, completing service, or even becoming part of the service process. Customers are the potential sources for increasing service firm productivity (Lovelock and Young, 1979). Customer's engagement in service as a co-producer is important in the cost reduction as well as the service quality improvement (Heskett et al., 1997). Thus, the degree of service successful may depend very much on the participation of the customer to make the service happen. In other words, in some services, customer is acting as a partial employee to the organisation. Thus, it is suggested that:

**P<sub>4</sub>:** Customer participation is positively associated with service excellence.

Emotion is an important element in the service delivery process (Kandampully, 1993) and plays a central role in the customer-employee interaction (Matilla and Enz, 2002). The recent research has provided some valid evidence whereby emotion plays a major role in perceived levels of service quality and customer satisfaction (Liljander and Strandvick, 1997). Positive mood for example, has been found to have some impacts on positive evaluation such as more positive judgement (Mano and Oliver, 1993). The behaviours and attitudes of the front-line employees such as their excellence

performance and positive emotions may influence the customers' evaluation process thus are crucial for the whole customers' experience. This will bring to customers satisfaction or dissatisfaction which affect the whole organisation. Employees who display positive emotions during the encounter and express himself or herself in an orderly manner are expected to perform well towards service excellence. In this study it is proposed that employees' positive emotions are likely to generate significant service performance, which in turn will influence the customers' evaluation of the service encounter positively. Thus, employee emotions appear to have some impacts on the service excellence.

**P<sub>5a</sub>:** Employee's positive emotions are positively associated with service excellence.

**P<sub>5b</sub>:** Employee's negative emotions are negatively associated with service excellence.

## 2.2. Service Excellence Outcomes

The services delivered to customers may have both impacts, good or bad. The customer satisfaction, service quality perceptions, word of mouth communication, decisions to remain loyal or to switch to other company are significantly influenced by the attitude and behaviour of service providers (Bitner et al., 1990; Keaveney, 1995) as well as other components such as service process and service environment. This has strong emotional impact on customers which lead to strong intense feelings towards organisations (Johnston, 2004).

The previous empirical evidence has provided evidence where employees' attitudes towards perceptions of high quality of service has significant impact on customers evaluations of service experience (Johnson, 1996; Schneider and Bowen, 1985; Schneider et al., 1998). Customers who face positive and favourable experience are normally tend to be more satisfied with the delivered services. Accordingly, as we may be well aware, the more satisfied the customers, the higher the likelihood of retention, and the higher the likelihood of positive word of mouth behaviour (Reichheld and Sasser, 1990). Based on this evidence, the following hypotheses are therefore proposed:

**P<sub>6</sub>:** Service excellence is positively associated with service quality.

**P<sub>7</sub>:** Service excellence is positively associated with customer satisfaction.

**P<sub>8</sub>:** Service excellence is positively associated with repurchase intention.

**P<sub>9</sub>:** Service quality is positively associated with customer satisfaction.

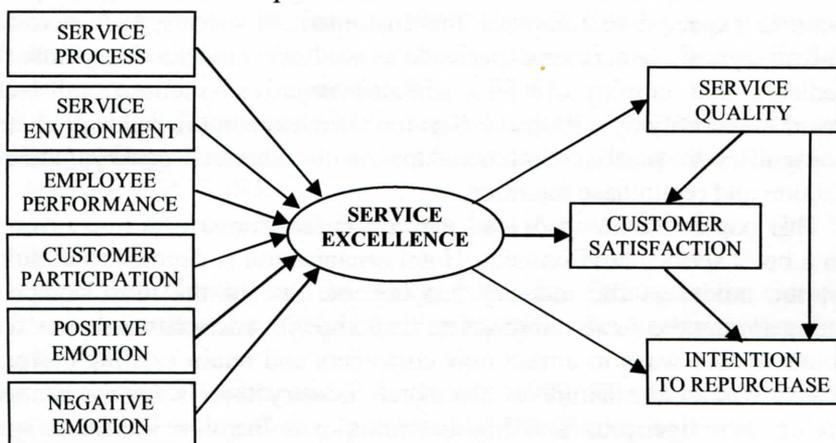
**P<sub>10</sub>:** Service quality is positively associated with repurchase intention.

**P<sub>11</sub>:** Customer satisfaction is positively associated with repurchases intention.

## 3. Conceptual Framework

Based on the preceding discussion and literature review, the proposed conceptual framework of the present paper shown in figure 1, includes 11 main

hypotheses, which are proposed to be tested. Antecedents of service excellence are identified as service delivery processes, service environment, customer participation, employee performance, and employee emotions. Hypotheses 1 - 5 reflect the influence of service excellence antecedents on service excellence respectively. Hypotheses 6 - 8 identify the effect of service excellence on service quality, customer satisfaction and repurchase intention respectively. Finally, hypotheses 9 - 10 propose the linkage between service quality, customer satisfaction and repurchase intention as well as the linkage between customer satisfaction and repurchase intention.



**Figure 1. Structural Model of Service Excellence Antecedents**

The structural equation modelling approach is using a two-step process and is proposed for this research. This involves testing the proposed measurement model and the structural model or path analysis (Bollen, 1989; Schumaker and Lomax, 1996). First, a series of confirmatory analysis will be conducted to check the factor structure of all scale. Once the individual construct is assessed, the hypothesized structural model will be tested to examine the proposed relationships among the latent variables. The figure above shows a structural model for five independents or exogenous and their interactions as a cause of one dependent. In this model, service delivery process, service environment, customer satisfaction, employee performance and employee emotions have been treated as exogenous constructs, while service excellence, service quality, customer satisfaction and intention to repurchase have been treated as endogenous constructs.

#### 4. Result and Discussion

This paper is expected to contribute to our current understanding of the services characteristics (antecedents) and its interface with service excellence and its related outcomes. It is expected that those services characteristics as well as employee performance and customer participation will have positive influence on service excellence and its consequences. More specifically, services process delivery and service environment designed by the organisation may demonstrate its effectiveness in contributing to service excellence. The

employee performances are expected to have positive and significant influence on service excellence. That is, we can expect employees who perform well may influence the customer perceptions of services delivered. Similarly, we expect customer's own participation will also contribute to the service excellence.

Having said this, we expect customers who view that participating and giving their fair share will tend to value the service more favourable since they establish social relationship with the organisation in general and with the employees in particular. The employee's emotions are also expected to have positive relationship with service excellence. Employee who displays positive emotions is expected to influence the customers to view service favourably which lead to positive service experience as well excellent service. Similarly, it is predicted that employee who maintains negative emotions will not be perceived favourably by customers. Service excellence in the end is predicted to have significant positive relationships with service quality, customer satisfaction and repurchase intention.

This paper intends to extend the conceptual framework and investigate within a hotel service environment. Hotel organisation is deemed to be suitable to test the model as the industry has become one of the most competitive industries among the service industries. Its competitiveness has therefore forced the hotels to find ways to attract new customers and retain existing customers. Moreover, due to the nature of the hotel industry that is highly intangible, perishable, heterogeneous and highly variable, it therefore demands special attention because of the difficulty in meeting customers' needs and wants. Additionally, this is particularly important as customer nowadays have rising expectations, less tolerance, greater sense of importance and power and growing affluence.

This paper is expected to contribute to the theoretical advancement in the field of services marketing and hospitality and tourism industry by empirically testing the structural model to develop a concept of service excellence in the hotel industry. Theories which are related to the role of service excellence have been widely discussed, but almost none of the study has empirically tested these theories in particular and its antecedents in the hospitality industry.

From a practical standpoint, the findings of the study are anticipated to be useful in planning the marketing strategy for the organisation. The management will usefully utilise the findings to satisfy the needs and wants of the customers, thus exceed their satisfaction by delighting them. This paper has argued that service excellence has been associated chiefly with interest in gaining competitive advantage through several important components as illustrated in the proposed model. Service excellence is suggested to be a technique which will contribute to higher service quality, greater customer satisfaction and increase intention to repurchase. In examining the antecedents of service excellence, this paper hopes to lay the groundwork for future research on service excellence phenomenon in the services literature, while also offering practical recommendations to managers on how to deliver service excellence.

## References

- Antonacopoulou, E., and J. Kandampully, 2000, Alchemy: The Transformation to Service Excellence, *The Learning Organization* 7 (1), 13-22.
- Berry, L.L., and A. Parasuraman, 1992, Prescription for a Service Quality Revolution in America, *Organisational Dynamics*, spring, 5-15.
- Bettencourt, L., and K. Gwinner, 1996, Customization of the Service Experience: The Role of Frontline Employees, *International Journal of Service Industry Management* 7 (2), 3-20.
- Bettencourt, L.A., and S.W. Brown, 1997, Contact Employees: Relationships among Workplace Fairness, Job Satisfaction, and Prosocial Service Behaviour, *Journal of Retailing* 73 (1), 39-61.
- Bitner, M.J., B.H. Booms, and M.S. Tetreault, 1990, The Service Encounter: Diagnosing Favourable and Unfavourable Incidents, *Journal of Marketing* 54, 71-84.
- Bollen, K.A., 1989. *Structural Equations with Latent Variables*, New York: Wiley.
- Bolton, R.N., D. Grewal, and M. Levy, 2006, Six Strategies for Competing through Service: An Agenda for Future Research, *Journal of Retailing* 83 (1), 1-4.
- Brown, W.S., D.E. Bowen, and T.A. Swartz, 1992, The Future of Quality in Services, *Working Paper*, presented at the Quality in Services QUIS-3 conference, Karlstad University, Sweden.
- Cina, C., 1990, Five Steps to Service Excellence, *Journal of Services Marketing* 4 (2), Spring, 39-47.
- Deshpande, R., J.U. Farley, and F.E. Webster Jr., 1993, Corporate Culture, Customer Orientation, and Innovativeness in Japanese Firms: A Quadrat Analysis, *Journal of Marketing* 57, January, 23-37.
- Dube, L., J.C. Chebat, and S. Moris, 1995, The Effects of Background Music on Customers' Desire to Affiliate in Buyer-Seller Interactions, *Journal Psychology and Marketing* 12, 305-319.
- Dube, L., and L.M. Renaghan, 2000, Creating Visible Customer Value, *Cornell Hotel and Restaurant Administration Quarterly* 41 (1), 62-72.
- Grönroos, C., 1990, *Service Management and Marketing*, Lexington, MA: Lexington Books.
- Hays, R.D., 1996, The Strategic Power of Internal Service Excellence, *Business Horizon*, July-August, 15-20.
- Heskett, J. L., W.E Sasser, Jr., and L.A. Schlesinger, 1997, *The Service Profit Chain: How Leading Companies Link Profit and Growth to Loyalty, Satisfaction, and Value*, New York: Free Press.
- Hesselink, M., and F.V.D. Assem, 2002, Building People and Organisational Excellence: The Start Service Excellence Program, *Managing Service Quality* 12 (3), 139-145.
- Johnson, J., 1996, Linking Employee Perceptions of Service Climate to Customer Satisfaction, *Personnel Psychology* 49, 831-851.
- Johnston, R., 2004, Towards a Better Understanding of Service Excellence, *Managing Service Quality* 14, 2/3, 129-133.

- Jones, C.R., 2004, A "Scorecard" for Service Excellence, *Measuring Business Excellence* 8 (4), 45-54.
- Kandampully, J., 1993, Total Quality Management through Continuous Improvement in Service Industries, *Unpublished Doctoral Dissertation*, University of Exeter.
- Keaveney, S.M., 1995, Customer Switching Behavior in Service Industries: An Exploratory Study, *Journal of Marketing* 59 (2), 71-82.
- Kim, S., and B.H. Kleiner, 1996, Service Excellence in the Banking Industry, *Managing Service Quality* 6 (1), 22-27.
- Liljander, V., and T. Strandvik, 1997, Emotions in Service Satisfaction, *International Journal of Service Industry Management* 8 (2), 148-160.
- Lovelock, C.H., and R.H. Young, 1979, Look to Consumers to Increase Productivity, *Harvard Business Review* 57, May-June, 168-178.
- Lovelock, C.H., J. Wirtz, H.T. Keh, and X. Lu, 2005, *Services Marketing in Asia: People, Technology, Strategy*, 2<sup>nd</sup> Edition, Pearson Prentice Hall.
- Mano, H., and R. Oliver, 1993, Assessing the Dimensionality and Structure of the Consumption Experience: Evaluation, Feeling and Satisfaction, *Journal of Consumer Research* 20, 451-466.
- Matilla, A. S., and J. Wirtz, 2001, Congruency of Scent and Music as a Driver of In-Store Evaluations and Behaviour, *Journal of Retailing* 77, 273-289.
- Matilla, A.S., and C.A. Enz, 2002, The Role of Emotions in Service Encounters, *Journal of Service Research* 4 (4), 268-277.
- Millard, N., 2006, Learning from the WOW Factor-How to Engage Customer Through the Design of Effective Affective Customer Experiences, *BT Technology Journal* 24 (1), 11-16.
- Moores, B., 1990, The Service Excellence Experience, *Marketing Intelligence and Planning* 8 (6), 18-24.
- Oliver, R.L., 1997, *Satisfaction: A Behavioural Perspective on the Consumer*, New York: Irwin/McGraw Hill.
- Pfeffer, J., 1994, *Competitive Advantage through People*, Boston, Massachusetts: Harvard Business School Press.
- Reichheld, E.F., and W.E. Sasser, 1990, Zero Defections: Quality Comes to Services, *Harvard Business Review*, September-October (5), 105-111.
- Schneider, B., and D. Bowen, 1985, Employee and Customer Perceptions of Service in Bank: Replication and Application, *Journal of Applied Psychology* 70, 423-433.
- Schneider, B., and D.E. Bowen, 1999, Understanding Customer Delight and Outrage, *Sloan Management Review*, Fall.
- Schneider, B., S. White, and M. Paul, 1998, Linking Service Climate and Customer Perceptions of Service Quality: Test of a Causal Model, *Journal of Applied Psychology* 83 (2), 150-163.
- Schumaker, R.E. and R.G. Lomax, 1996, *A Beginner's Guide to Structural Equation Modeling*, New Jersey: Lawrence Erlbaum Associates.
- Surprenant, C.F., and M.R. Solomon, 1987, Predictability and Personalisation in the Service Encounter, *Journal of Marketing* 51 (2), 86-96.

- Wirtz, J., Heracleous, L., and N. Pangarkar, 2008, Managing Human Resources for Service Excellence and Cost Effectiveness at Singapore Airlines, *Managing Service Quality* 18 (1), 4-19.
- Xue, M., and P.T. Harker, 2002, Customer Efficiency: Concept and its Impact on E-Business Management, *Journal of Service Research* 4 (4), May, 253-267.
- Zeithaml, V.A., 2002, Service Excellence in Electronic Channels, *Managing Service Quality* 12 (3), 135-138.