

Hospitality and information technology

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The strong competition in today's commerce setting means that tourism and hospitality businesses have to work hard to keep and develop their competitiveness [1]. The hospitality business is not technology leaning by nature, but the growing stress from complicated clientele, jointly with the information-concentrated features of the commerce, are prompting managers to hold IT to gather present and future business requests [2]. Promoting efficiency is the fundamental role of information technology (IT) in the accommodation business, as information resources have long played a major role in conducting winning accommodation processes [3]. Information technology can supply hospitality firms with a continual spirited benefit, provided the technology complements processes. The key constituent in achieving a competitive gain is to recognize the drivers of response lag, which is the occasion it takes for competitors to imitate an IT initiative, if they are talented to do so. The drivers can be categorized into one of the subsequent four barriers to erosion of spirited gain: (a) IT-resources barrier, (b) complementary-resources fence, (c) IT-scheme fence, and (d) preemption fence [4]. One of the most issues plaguing the progression of technology in the hospitality business is the complexity in scheming return on investment. [5]. In the precedent, when they were targeting huge organizations only, their absence from the hospitality commerce could have been credited to the fact that the bulk of hotels and restaurants are little and average size enterprises (SMEs). Presently, however, ERP vendors are advertising "light" ERP packages to (SMEs) [6-8]. Winning foreword of information technology uses in a variety of processes of hotel organization is fundamental to most service firms. In current decades, technologies of information, automation, and communication are more and more familiar as vital components of a hotel company's strategic plan [9].

There is a resemblance between "confidence" and "trust". In the background of Information Technology and decision-making Sciences "trust" often is applied. Similar to the expression "trust in IT" the word "trust" often is seen in a more technological sense. In the background of products "confidence" is more appropriate as it entails prospects of a client. In diverse scientific regulations one will find several definitions of confidence. But one will also find some widespread key features of how situations of confidence are described. Conditions of confidence mean that there is a strong dependency between the trust or and the trustee. Included is that there is a longer lasting association between the concerned partners. Circumstances where the trust or has to give confidence are conditions with danger. For the trust or this means to suffer from uncertainty [10]. Confidence is necessary to keep capable of acting in such situations. The actions of the trust or is leaning towards prospect communication due to the long lasting

dependency. The trust or has positive prospects since he is going into the dependency. The trust or as well recognizes a vulnerability knowing that his prospects might not be fulfilled. Consequently, he allows vulnerability in a specific range of dissatisfaction [11-13].

Period from (2007-2016) was noticeable by technologies such as Wi-Fi, search engines, Web 2.0, tablet, the smartphone, wearable computers, sensors, Internet of Things, through sourcing, open source, drones, and the appearance of machine learning and artificial intelligence. As digital splits existed in several ways, the acceptance of the Internet in higher economies had reached diffusion across different demographics. By introducing novel methods to join supply with demand, new business innovations such as the allocation economy emerged to interrupt many businesses. Information technology, material or immaterial, appeared to have been built into each material of our socioeconomic life counting travel and tourism [14]. Tour arrangement helps the tourist make decisions and build prospects for the upcoming journey. Therefore, it is quarreled that tour planning acts as a window through which it is probable to understand how IT has altered travel and tourism [15]. This chapter discussed about the implantation of information technology in hospitality, ways, mechanisms and benefits.

Key words: Hospitality, Tourism, Information Technology.

References:

1. Rob Law , Rosanna Leung & Dimitrios Buhalis (2009) INFORMATION TECHNOLOGY APPLICATIONS IN HOSPITALITY AND TOURISM: A REVIEW OF PUBLICATIONS FROM 2005 TO 2007 , Journal of Travel & Tourism Marketing, 26:5-6, 599-623, DOI: 10.1080/10548400903163160.
2. Law, R., Leung, D., Au, N., & Lee, H. “Andy.” (2013). Progress and Development of Information Technology in the Hospitality Industry: Evidence from Cornell Hospitality Quarterly. *Cornell Hospitality Quarterly*, 54(1), 10–24.
<https://doi.org/10.1177/1938965512453199>.
3. Sunny Ham et .al, **Effect of information technology on performance in upscale hotels.** Volume 24, Issue2, June 2005, Pages: 281-294.
4. GABRIELE PICCOLI. **Technology in Hotel Management: A Framework for Evaluating the Sustainability of IT-Dependent Competitive Advantage**, Cornell Hospitality Quarterly, Volume 49, Issue 3 282-296.
5. Connolly, Daniel J. **Understanding Information Technology Investment Decision-Making in the Context of Hotel Global Distribution Systems: a Multiple-Case Study.** Connolly, Daniel J.,1999-11-16.
6. Mayer, J. H. (1997, April). **Getting small manufacturers to think big.** Reseller Management, 20(5), 43.
7. Michel, R. (1997, June). **Fit for print. What’s Next for Windows NT?** Supplement (pp. 36A–40A). Manufacturing Systems.
8. Weil, M. (1997). **Solutions help small to medium-sized manufacturers benefit from enterprise applications.** Solutions sought, solutions attained supplement (p. 1A–6A). Manufacturing Systems.
9. A.J. Singh et.al. **Differential Impacts of Information Technology Services in the Korean Hotel Industry: A Study of Management Perceptions.** FIU Review, VoL 24 No. 2.
10. Holland, C.P./Lockett, A.G. 1998. Business Trust and the Formation of Virtual Organizations, 31st Annual Hawaii International Conference on System Sciences, pp. 602-610. Hawaii, IEEE Computer Society.
11. Stiglbauer, K. 2011. Vertrauen als Input-/Output-Variable in elektronischen Verhandlungen – Eine empirische Untersuchung vertrauensfördernder Maßnahmen. Gabler, Wiesbaden.
12. Luhmann, N. 2000. Vertrauen. Ein Mechanismus der Reduktion sozialer Komplexität, Lucius & Lucius, Stuttgart.

13. Möllering, G., Sydow, J. 2005. Kollektiv, kooperativ, reflexiv: Vertrauen und Glaubwürdigkeit in Unternehmen und Unternehmensnetzwerken. In: Dernbach, B., Meyer, M. (Ed.): Vertrauen und Glaubwürdigkeit. pp. 64-93. VS Verlag für Sozialwissenschaften, Wiesbaden.
14. Zheng Xiang. **From digitization to the age of acceleration: On information technology and tourism.** Xiang, Z., Tourism Management Perspectives (2017), <https://doi.org/10.1016/j.tmp.2017.11.023>.