Abstract

Tourism is an important economic pole in developed countries. Many countries devoted their expert efforts to absorb more tourists by focusing on attractive and historical aspects of their civilization and good planning on facilities and services. Nowadays rapid grows of information technology affected the way of our life and tourism as a part of this revolution benefits from its advantages. In this study we aim to integrate some of the up-to-date information technologies in order to develop an automated, intelligent and reliable decision making system for tourism industry. Some E-tourism context-aware systems have been made so far based on location and tourist’s characteristics. In this paper we propose a distinct one which named Tourists Keeping and Guiding System or simply TKGS. It considers tourist’s physiological condition, priorities, location and visit histories in order to offer best services. It guides tourists through their trip and gives them medical cares while they are travelling and it reserves hotel, entertainment and tourism places for them. The idea is integration of the following subsystems; context management, geographic information, feedback management, tourism places, transportation control and medical cares.
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Index Terms

Computer Science

Information System

Keywords

Ubiquitous Computing System  Context-aware Systems  Tourism  Knowledge Base  Decision Tree