Abstract

Location management is a technique, managing various mobile services, mobile devices, predicking their position at time of reference to its base station operation. It helps to keep track of mobile device during agile environment which helps to communicate user while roaming. With location management one can access data at any place by requesting to respective base station. Location management technique changes as per need of the user with reference to the
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contents such as audio, video, text and graphics. So, here performance evaluation of various location management methods with their application, advantages and limitations is taken into account. These methods can work very effective and efficient in particular conditions with certain constraints. Speed is main factor which affect the communication. This paper presents the critical analysis of various methods of location management based on various methodologies for mobile devices. It describes various techniques for location prediction and management. Some of the limitations in earlier techniques are tried to overcome in next subsequent method by another author. This study analyses all these methods with their pro and cons. But still they have some limitation of position prediction and speed of access during location management.

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