Abstract

Often, conventional methods for deciding a common meeting place are quite time consuming, as it involves individual confirmation, argument about deciding the common meeting place and the impartial distance factor. Psychology indicates that a majority of people tend to cancel group meetings due to the feeling that "others have chosen a meeting place that is comparatively closer to their own homes." In other words, the meeting place seems
Impartial Centroid Distance Calculation using Android

We hence coin this feeling as the partiality factor. The motivation of this project, thus, is to introduce the impartial factor in meetings, so as to eradicate partiality whilst choosing a meeting spot. (Please note that this term is self-coined, so as to denote a certain degree of impartiality.) We shall be creating an Android application that effectively calculates the real time coordinates of all the members of a group, and calculates a smart, scalable and reliable centroid. The meeting places in this restricted vicinity can then be chosen on the basis of voting. Since the locality of the meeting place is strictly restricted by the application's algorithm itself, it will most likely completely eradicate the need of constant compromises and cancellations.

References


Index Terms

Computer Science

Information Sciences
Keywords
Google Cloud Messaging  Google Maps  Google Places  Radar Search  Impartiality
Google Apis

Real-time

Android.