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
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&apos;partial&apos; to some. We hence coin this feeling as the partiality factor. The motivation of this project, thus, is to introduce the &apos;impartial factor&apos; 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 &apos;degree&apos; 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&apos;s algorithm itself, it will most likely completely eradicate the need of constant compromises and cancellations.

References

- Flores, Huber, and Satish Srirama. &quot;Mobile cloud messaging supported by xmpp primitives. &quot; Proceeding of the fourth ACM workshop on Mobile cloud computing and services. ACM, 2013.

Index Terms

Computer Science

Information Sciences
Impartial Centroid Distance Calculation using Android

**Keywords**

Google Cloud Messaging  Google Maps  Google Places  Radar Search  Impartiality

Google Apis

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