



Mining Mobile Sequential Pattern in a Location Aware Environment

V. ManoChitra¹, S. Shanthi², S. Syed Shajahaan³

¹Department of Computer Science and Engineering, Rathinam Technical Campus, Anna University, India

²Department of Computer Science and Engineering, Rathinam Technical Campus, Anna University, India

³Department of Information Technology, Rathinam Technical Campus, Anna University, India

¹ manochitra.cse@rathinamcollege.com; ² shanthi.rtc@rathinamtechzone.com;

³ syedshajahan.it@rathinamcollege.com

Abstract— *Recent development in mobile communication techniques and GPS enabled cellular phones have introduced a new business model. This emerges to a new way of service called as Location-Based Service (LBS) which use information about user's location to select the information they provide. There is a rapid growth in the use of mobile phones and location based services Technology. Mining user behaviour in mobile environments is an important task in data mining. Existing impact focus on mobile patterns from logs and their impact can't deliver the predictions since there is a constant change in the mobile behaviour. This paper provides an outline about the basic usage of LBS. Mobile user behaviour pattern is one of the critical issue. The existing system is refined with the concept of Genetic Algorithm for mining. Here the concepts of mining and prediction of mobile behaviours with user relations and characteristics are deliberately understood using Segmentation, mutation and crossover process of GA. The prediction strategy uses mobile patterns to predict the mobile user behaviour.*

Keywords— *Location-Based Service (LBS); Mobile Sequential Pattern Mining; Genetic Algorithm*

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