SAPTHAGIRICOLLEGE OF ENGINEERING

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Department of Computer Science and Engineering

Certificate

Certified that the project work entitled **"ClubCF: A Clustering-based collaborative Filtering Approach using AHC Algorithm"** carried out by **AKSHAYA A (1SG11CS007), ASHWINI C V(1SG11CS015), SAI RASHMI S (1SG11CS067),**bonafide students of **this institute,** in partial fulfillment for the award of **Bachelor of Engineering** in **Computer Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during the academic year **2014-15.** It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

22/5/15	25/5/15	
Signature of the Guide	**Signature of the HOD**	**Signature of the Principal**
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ABSTRACT

Spurred by service computing and clouding computing, an increasing number of services are emerging on the Internet. As a result, service-relevant data become too big to be effectively processed by traditional approaches. In view of this challenge, a Clustering-based Collaborative Filtering approach (ClubCF) is proposed which aims at recruiting similar services in the same clusters to recommend services collaboratively. Technically, this approach is enacted around two stages. In first stage, the available services are divided into small-scale clusters, in logic, for further processing. At the second stage, a collaborative filtering algorithm is imposed on one of the clusters. Since the number of the services in a cluster is much less than the total number of the services available on the web, it is expected to reduce the online execution time of collaborative filtering.