SAPTHAGIRI COLLEGE OF ENGINEERING

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Department of Computer Science and Engineering

Certificate

Certified that the project work entitled "**INTEREST BASED FILE SHARING SYSTEM**" carried out by **Ankita Srivastav (1SG12CS007)**, **Karanam Lekha (1SG12CS039)**, **Lakshmi C.S (1SG12CS047)** and **Neha Yadav (1SG12CS065)** 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 **2015-16**. 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.

Signature of the Guide

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ABSTRACT

Efficient file query is important to the overall performance of peer-to-peer (P2P) file sharing systems. Clustering files by their common interests can significantly enhance the efficiency of file query. However, few current works are able to cluster files based on interest. In this project interest based file sharing system has been introduced. A node can consist of many clusters which is basically the interest of the users. Files are registered with the tracker by specifying its interest by user in a node. Files then join one of the clusters based on interest inside the node. The user who wants a file can request to the tracker for the same. The tracker with the help of bloom filter will respond about the existence of file, i.e. whether file exists or not. The file is then transferred to the user who requested for the file.