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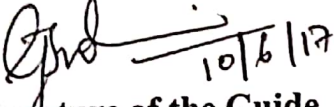
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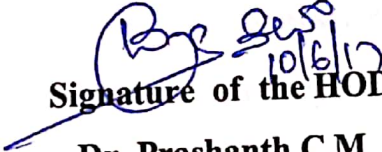
Department of Computer Science and Engineering

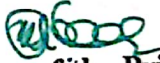
Certificate



Certified that the project work entitled "Advanced Map Reduce Framework For Geo-Distributed Big Data" carried out by Arnav Ashu (1SG13CS018), Avinash Kumar (1SG13CS024), Kruthika (1SG13CS056), Mayuri Priya (1SG13CS062), 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 2016-17. 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 (10 credits) prescribed for the said degree.


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ABSTRACT

Big data has emerged as a new era of information generation and processing. Big data applications are expected to provide a lot of benefits and convenience to our lives. Cloud computing is a popular infrastructure that has the resources for big data processing. As the number of mobile devices is fast increasing, mobile cloud computing is becoming an important part of many big data applications. Map Reduce-based framework to process geo-dispersed big data in mobile cloud architecture is implemented here. It uses various data aggregation schemes to satisfy different application requirements. A novel and flexible framework based on map reduce to support simple operations on geo dispersed big data is proposed. For real time applications minimizing response time to mobile users is achieved.