SAPTHAGIRI COLLEGE OF ENGINEERING

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Department of Computer Science and Engineering

Certificate

SAPTHAGIRI
College of Engineering

Certified that the project work entitled **"Inference Attack using Public click analytics on Twitter Users"** carried out by **AKSHATA MANJUNATH HEGDE(1SG13CS009),CHAITHRA S(1SG13CS029), KEERTI M HEGDE(1SG13CS055)** bonafide students of this institute, in partial fulfillment for the award of **Bachelor of Engineering** in **Computer Science and Engineering** of **Visvesvaraya Technological University, Belgavi** 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 prescribed for the said degree.

Signature of the Guide
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Name of the examiners

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2.........................

Signature with date

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ABSTRACT

Twitter is a popular online social network service for sharing short messages (tweets) among friends. Its users frequently use URL shortening services that provide (i) a short alias of a long URL for sharing it via tweets and (ii) public click analytics of shortened URLs. The public click analytics is provided in an aggregated form to preserve the privacy of individual users. In the project, practical attack techniques is used inferring who clicks which shortened URL, on Twitter using the combination of public information: Twitter metadata and public click analytics. Unlike the conventional browser history stealing attacks, our attacks only demand publicly available information provided by Twitter and URL shortening services.