

SAPTHAGIRI COLLEGE OF ENGINEERING


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Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled **"ENHANCING DOWNLOAD SPEED WITH SECURITY"** carried out by **NIKHIL SRIVASTAVA (ISG14CS068)**, **SHRADDHA V (ISG14CS103)**, **VEDASHREE D (ISG14CS119)**, **ZAIBA A S (ISG14CS126)**, bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi** during the academic year 2017-2018. 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 (10CS85) prescribed for the said degree.


12/06/18

Signature of the Guide

Dr. Yogish H K
Professor & Head


12/06/18

Signature of the HOD

Dr. Yogish H K
Professor & Head
Professor & Head of the Department
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Signature of the Principal

Dr. K L Shivabasappa
Principal
Principal

EXTERNAL EXAMINATION

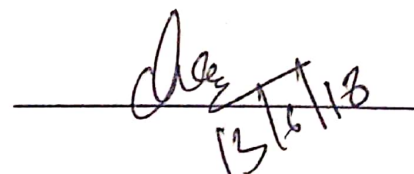
Name of the Examiners

1. MANJESH B. S

2. Chaitra

Signature with Date


13/6/18


13/6/18

ABSTRACT

Downloading information is a crucial but slow and many a times insecure feature of the internet. This poses new challenges to the end user of peer to peer environment. The proposed system presents a way of downloading files from the Internet and scanning them for malicious content using parallel programming which increases the speed of download. The downloading process is composed of a limited number of threads through which the file to be downloaded is divided as portions. Each portion is downloaded simultaneously by each thread and is stored in a buffer. All buffers are scanned by the scanning process and any detection of malicious content in the file is reported to the end user. The buffer contents are then rearranged to get the required file. This parallel processing increases the speed of downloading.