SAPTHAGIRI COLLEGE OF ENGINEERING

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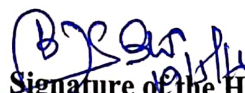
Department of Computer Science and Engineering

Certificate

Certified that the project work entitled **"SECURITY ENHANCEMENT FOR FOLDERS IN WINDOWS"** carried out by, **Ankur Singh (1SG12CS008)**, **Gaurav Kumar (1SG12CS033)**, **Lokesh Kumar (1SG12CS050)**, **Badal Sharma (1SG13CS401)**, 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 (10CS85) prescribed for the said degree.

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ABSTRACT

The security feature of Windows has been the most crucial issue ever since the commencement of the Windows systems. Passwords produced to ensure security for files and folders themselves have disadvantages and drawbacks in them. In this project, the vulnerabilities and disadvantages hosted by passwords shall be studied and minimized. We shall also implement a Two Factor Authentication [T-FA] System in the process by conjugation of Bluetooth and Rijndael Encryption. Selection of Bluetooth as an authentication factor is due to that fact that it's most commonly available and every Bluetooth device has its own unique MAC address. Rijndael Encryption on the other hand is an AES and is widely believed to be most beneficial Cryptographic Encryption Algorithm available. The implemented Two Factor Authentication [T-FA] system should not only take out the disadvantages of passwords but is also aimed at providing a user friendly security system.