SAPTHAGIRI COLLEGE OF ENGINEERING
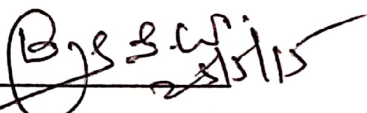
14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore-560057

Department Of Computer Science And Engineering

SAPTHAGIRI
College of Engineering

Certificate

This is to certify that **B VIBHAVARI (1SG11CS016), NAVEEN K V (1SG11CS046), JYOTHI D P (1SG11CS099)** and have satisfactorily submitted project report titled **"Detection and Mitigation of SQL Injection Attacks"** in partial fulfillment of the requirements as prescribed by the **Visveswaraya Technological University, Belgaum** for **Bachelor of Engineering** in **"Computer Science and Engineering"** for the academic year 2014 – 2015.

Signature of Guide/HOD

Dr. C M Prashanth

Professor and HOD

Dept of CS&E

Signature of Principal

Dr. Aswatha Kumar M

Principal

Name of the Examiners

Signature with date

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ABSTRACT

SQL injection is the most common and widely used attack by the hackers all over the world to exploit web applications. SQL injection is a security vulnerability that occurs in the database layers of an application which allows the hacker to compromise on the security. It is a technique to pass SQL commands into interactive web applications that employ in database services. The employment of SQL Injection Attacks (SQLIA) can lead to the leak of confidential information such as credit card numbers, commercial information and login credentials of bank accounts stored in the database. A malicious hacker can cause a lot of harm to the web application and the underlying database through SQL injection. These attacks are not only limited to web applications but they can also hit desktop applications which use databases powered by SQL. The amount of financial loss as a result of SQLIA is enormous, therefore this work aims at finding a solution to stop SQLIA.