**CERTIFICATE**

Certified that the Project Report entitled **“Phishing Websites Detection Using Machine Learning”** submitted by **Aditi Sharma (2486523555010)** is their own work and has been carried out under my supervision. It is recommended that the candidates may now be evaluated for their project work by the University.

**Date: (Mr. Vinod Kumar)**

**Assistant Professor**

**ABSTRACT**

The phishing attack is the simplest way to obtain sensitive information from innocent users. The aim of the phishers is to acquire critical information like username, password, and bank account details. Cyber security persons are now looking for trustworthy and steady detection techniques for phishing websites detection. This paper deals with machine learning technology for the detection of phishing URLs by extracting and analysing various features of legitimate and phishing URLs. Decision Trees, random forest and support vector machine algorithms are used to detect phishing websites. The aim of the paper is to detect phishing URLs as well as narrow them down to the best machine learning algorithm by comparing the accuracy rate, false positive, and false-negative rate of each algorithm. Phishing Detection is the prevention of cybercrime in which phishing aims to collect sensitive and personal information such as usernames, passwords, credit card numbers, and even money by impersonating a legitimate website. A measurement for phishing detection is the number of suspicious e-mails reported to the security team. This measurement is designed to evaluate the number of employees who followed the proper procedure for reporting suspicious messages. Simple spelling mistakes, broken English, grammatical errors, or low-resolution images should act as a red flag that you are on a phishing site and should leave immediately. Another area of the website that may indicate a phishing site is the lack of a “contact us” section. We present a phishing detection system using machine learning in which we are collecting legitimate website and phishing website and check how many sites can be fake website by some common features of website URLs.

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