**MINI PROJECT**

**2018-19**

**Detecting Phishing Website**

**SYNOPSIS**



**Institute of Engineering & Technology**

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**About the Project:**-

Phishing costs Internet users billions of dollars per year. It refers to techniques used by identity thieves to fish for personal information in a pond of unsuspecting internet users. Phishers use spoofed e-mail, phishing software to steal personal information and financial account details such as usernames and passwords. This paper deals with methods for detecting phishing websites by analyzing various features of phishing URLs by Machine learning techniques. The methods used for detection of phishing websites based on lexical features, host properties and page importance properties. We consider various data mining algorithms for evaluation of the features in order to get a better understanding of the structure of URLs that spread phishing. The fine-tuned parameters are useful in selecting the apt machine learning algorithm for separating the phishing sites from benign sites.

**Future Prospects:**-

Online learning algorithms provide better learning methods compared to batch-based learning mechanisms. Going forward we are interested in various aspects of online learning and collecting data to understand the new trends in phishing activities such as fast changing DNS servers.

**Requirements:**-

1. **Hardware:**-

* Computer/Laptop
* Processer: i3 or more
* 8GB RAM
* Operating System
* Internet

1. **Software:**-

* Python
* Jupyter Notebook
* GitHub