Project Design Phase-I Proposed Solution Template

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| Date | 09 November 2022 |
| Team ID | PNT2022TMID48697 |
| Project Name | Project - Web Phishing Detection |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Web phishing tends to steal a lots of information from the user during online transaction like username, password, important documents that has been attached to that websites. There are Multiple Types of Attacks happens here every day, but there is no auto detection Process through Machine Learning is achieved |
| 2. | Idea / Solution description | The identification of a phishing or legitimate web page is a challenging issue due to its semantic structure, a phishing detection system is implemented using deep learning techniques to prevent such attacks. The system works on URLs by applying a convolutional neural network (CNN) to detect the phishing webpage, This system doesn’t require any feature engineering as the CNN extract features from the URLs automatically through its hidden layers. |
| 3. | Novelty / Uniqueness | This project not only able to identify the malicious websites it also has the ability to automatically block these kind of websites completely in the future when it has been identified and also blocks some various mails  /ads from these malicious websites |
| 4. | Social Impact / Customer Satisfaction | This web phishing detection project attains the customer satisfaction by discarding various kinds of malicious websites to protect their privacy. This project is not only capable of using by an single individual ,a large social community and a organisation can use this web phishing detection to protect their privacy. This project helps to block various malicious websites simultaneously. |
| 5. | Business Model (Revenue Model) | This developed model can be used as an enterprise applications by organisations which handles sensitive information and also can be sold to government agencies to prevent the loss  of potential important data. |
| 6. | Scalability of the Solution | This project’s performance rate will be high approximately 97% and it also provide many capabilities to the user without reducing its efficieny to detect the  malicious websites as well as industrial limits websites beyond the imitations to find its legitimate. |