Model Development Phase Template

Date	28 September 2024
Team ID	LTVIP2024TMID24973
Project Title	Detection of Phishing Websites from URLs Using Machine learning
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
URL Length	The total number of characters in the URL	Yes	Longer URLs are often indicative of phishing attempts, as they may contain unnecessary parameters.
Use of HTTPS	Whether the URL uses HTTPS or not	Yes	Legitimate websites usually employ HTTPS, while many phishing sites do not.

Number of Subdomains	**Count of subdomains present in the URL**	**Yes**	**Phishing sites often use multiple subdomains to mimic legitimate sites, making this a useful feature.**
Use of IP Address	**Whether the URL contains an IP address instead of a domain name**	**Yes**	**URLs that use IP addresses instead of domain names are often suspicious and associated with phishing.**
Presence of Special Characters	**Count of special characters (e.g., "@", "-", "_")**	**Yes**	**High counts of special characters may indicate attempts to obfuscate the URL, common in phishing attempts.**