

## Project Initialization and Planning Phase

Date	23 September 2024
Team ID	LTVIP2024TMID24973
Project Name	Detection of Phishing Websites from URLs Using Machine learning
Maximum Marks	3 Marks

### Define Problem Statements (Customer Problem Statement Template):

The major trouble is that phishing technique is bad accuracy and low adaptability to new phishing links. We plan to apply machine learning to overcome these limitation through imposing some classification algorithms and evaluating the overall performance of these algorithms on our dataset. We have decided on the Random Forest method because of its excellent performance in classification but random forest and decision tree are not good with nlp data

#### Example:

**Customer Problem Statement Template**

I am	I'm trying to	But	Because	Which makes me feel
A User browsing the web	Identify phishing websites before clicking on URLs	I can't distinguish between legitimate and malicious websites	I lack knowledge of telltale signs or sophisticated detection tools	Vulnerable to online scams

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
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PS-1	a cybersecurity analyst	protect my organization from phishing attacks.	many phishing websites closely mimic legitimate ones.	these attacks are becoming more sophisticated and difficult to identify.	overwhelmed and concerned about potential security breaches
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