***Capstone Project Report-Python***

Problem Statement

To detect a SMS as a scam or a ham.

Dataset

This dataset has examples of Messages with the detection of a scam or ham like- “You just won a million dollars!”- Scam

Why AI??

Normal People cannot really detect that if it’s a scam SMS or a ham SMS, that’s why AI and if there is Ai then the answers will have more chances of getting right.

Algorithm

The **Distance vector algorithm** is iterative, asynchronous and distributed. Distributed: It is distributed in that each node receives information from one or more of its directly attached neighbors performs calculation and then distributes the result back to its neighbors.

Code

1st cell= I import certain libraries like pandas, numpy and Label Encoder

2nd cell= this is where I imported the dataset and printed the head

3rd cell= I gave values to my x and y variables

4th cell= I used Label Encoder to move the string in the graph to floats

5th cell= I used it to find the equation of the line with SVR

6th cell= I used all this data to make the plot