

Date	7 <sup>th</sup> November 2024
Team ID	SWTID1727321147
Project Name	Time Series Analysis For Bitcoin Price Prediction using Prophet
Minimum Marks	3 Marks

## Define Problem Statements (Customer Problem Statement Template)

The volatile nature of Bitcoin prices poses a challenge for investors and traders to make informed decisions. The lack of accurate and accessible price forecasting models leads to increased risks and uncertainty in cryptocurrency markets. Traders, especially those with limited experience in data analysis, struggle to predict price movements, leading to potential financial losses or missed profit opportunities. To improve decision-making and risk management, we aim to develop an efficient time series forecasting model that predicts Bitcoin prices using Prophet. This will help traders and investors make better predictions, leading to a more secure and confident trading experience..

### Example:

Problem statement (PS)	I am (Customer)	I'm Trying to	But	Because	Which Makes me feel
PS - 1	I am a Cryptocurrency Trader	I am trying to forecast bitcoin prices accurately	The prices are highly volatile and unpredictable	Because current models are too complex	Anxious and Uncertain About My investments

