# **Fraud Detection for Credit Card Transactions:**

**What problem are we trying to solve:** Develop a fraud detection model for a credit card company that will help identify potentially fraudulent transactions.

**Dataset source:** [Credit Card Fraud Detection | Kaggle](https://www.kaggle.com/datasets/mlg-ulb/creditcardfraud?resource=download)

**Different steps:**

1. Obtain a dataset of credit card transactions, including both legitimate and fraudulent ones.
2. Clean and preprocess the data by handling outliers and class imbalance.
3. Develop a fraud detection model using Random Forest, etc. to identify potentially fraudulent transactions.
4. Evaluate the model's performance using precision, recall, and F1-score.

**Questions to be asked:**

1. What would the targets and features be?
2. What strategies would you employ to address class imbalance?

**Project Team members:**

Andi Mysllinj

Krishna Patel

Nancy Sakyi

Surender Raman

Susan Abraham

Vineetha Ramachandra