# Credit Card Fraud Detection

Topic Of the Project: **Credit Card Fraud Detection**

**Abstract:**

Credit Card fraud detection is the process of identifying fraudulent transactions made using a credit card. With the rise of digital transactions, credit card fraud has become an increasingly prevalent problem, leading to significant financial losses for both consumers and financial institutions. To combat this problem, we aim to develop a credit card fraud detection system using Big Data Analytics.

We plan to use the "Credit Card Fraud Detection" dataset available on Kaggle. The dataset consists of credit card transactions that have been labelled as fraudulent or non-fraudulent. The dataset contains a total of 284,807 transactions, of which only 492(0.17%) are labelled as fraudulent.

We plan to provide a large volume card transaction data and leverage big data technologies such as Hadoop, Spark for real time data processing and analysis.