# DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

## PROJECTPROPOSAL

### 1. Project Title : -

**Credit Card Fraud Analytics**

### 2. Project Scope: - (Max 500 words)

Credit card fraud is a common problem that can result in significant financial losses for individuals and businesses. To prevent fraud, various approaches have been developed to detect fraudulent transactions. These approaches include transaction monitoring, machine learning algorithms, and behavioral analysis. Transaction monitoring involves analyzing real-time transaction data to identify patterns of fraudulent behavior.

Machine learning algorithms are trained on large datasets to identify patterns of fraudulent activity. Behavioral analysis looks at various factors such as location, time of day, and customer spending patterns to identify suspicious transactions. Combining these approaches can improve the accuracy of fraud detection and prevent financial losses.

There are several methods used to detect credit card fraud, including: Rule Based Systems, Machine Learning, behavioral analytics, Biometrics Credit card fraud detection is an ongoing process that requires continuous monitoring and adaptation to new types of fraud. By using a combination of these methods, credit card issuers can minimize the risk of financial losses due to fraudulent transactions.

## 3. Requirements: -

- **Hardware Requirements**

1. System Working on Windows 8/10/11 or Mac or Linux
2. RAM 4GB(Min)
3. ROM 128(Min)
4. Processor above i3 6 th Gen
5. GPU: 2GB and Above

- **Software Requirements**

1. Data Analytics software
2. Machine Learning
3. Rule-Engines
4. Fraud Detection Software
5. Data Visualization Software

### STUDENTS DETAILS

| Name | UID | Signature |
|---|---|---|
| Chinnari Abhishek | 21BCS3692 | |

### APPROVAL AND AUTHORITY TO PROCEED

We approve the project as described above, and authorize the team to proceed.

| Name | Title | Signature (With Date) |
|---|---|---|
| Sidrah Fayaz Wani | Credit Card Fraud Analytics | |