DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

# PROJECT PROPOSAL

## Project Title: -

Enhancing Insurance Claim Fraud Detection through Advanced Data Analytics Techniques

## Project Scope: -

This project aims to employ cutting-edge data analytics techniques to augment the efficacy of insurance claim fraud detection. By leveraging advanced statistical models, machine learning algorithms, and predictive analytics, the scope encompasses the development of a robust framework capable of identifying anomalous patterns indicative of fraudulent activities within insurance claims. The project will involve extensive data preprocessing, feature engineering, and the implementation of sophisticated algorithms to enhance the accuracy and efficiency of fraud detection systems. Additionally, the research will explore the integration of real-time data streams and anomaly detection methods, contributing to a comprehensive solution that empowers insurance companies to proactively identify and mitigate fraudulent claims, thereby safeguarding against financial losses and preserving the integrity of the insurance industry.

## 3. Requirements: -

* Hardware Requirements

1. Windows 11

* Software Requirements

1.NIL

**STUDENTS DETAILS**

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| --- | --- | --- |
| **Name** | **UID** | **Signature** |
| **Manav Kakkar** | 21BCS6294 |  |
| **Meenakshi Yadav** | 21BCS6048 |  |

**APPROVAL AND AUTHORITY TO PROCEED**

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

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| Name | **Title** | **Signature**  **(With Date)** |
| **Priyanka Kaushik** | **Professor** |  |