

# **CODING STREAM**

## **PROBLEM STATEMENTS**

All of these problem statements revolve around managing personal finances, investments, and transactions. They range from web and mobile applications that help users track their spending and expenses, plan for retirement, manage investment portfolios, and pay bills online to machine learning models that predict stock prices, detect fraudulent transactions, and automate income tax filings. Essentially, they aim to assist individuals in making informed financial decisions and achieve better financial outcomes.

# **CODING STREAM PERSONAL BUDGET MANAGER**

A web application that helps  
users track their  
spending and manage their  
finances.



# **CODING STREAM RETIREMENT PLANNING MANAGER**

An application that assists  
users in planning  
and saving for their  
retirement.

# **CODING STREAM STOCK PREDICTOR**

A machine learning model that predicts stock prices and assists users in making investment decisions.



# **CODING STREAM LOAN CALCULATOR**

A web application that calculates the cost of a loan and provides users with a payment schedule.

# **CODING STREAM TAX FILING SYSTEM**

A web application that  
automates the process of  
filing income tax returns.



# **CODING STREAM CREDIT SCORE CHECKER**

A web application that allows users to check their credit score and provides suggestions for improving it.

# **CODING STREAM**

## **INVESTMENT PORTFOLIO MANAGER**

A web application that assists  
users in managing their  
investment portfolios.



# **CODING STREAM BILL PAYMENT SYSTEM**

A web application that allows  
users to pay their bills  
online.

# **CODING STREAM EXPENSE TRACKER**

A mobile application that  
helps users track their  
expenses and set budgets.



# **CODING STREAM FRAUD DETECTION SYSTEM**

A machine learning model that  
detects fraudulent  
transactions and alerts users.

# CODING STREAM RUBRICS

Your solutions will be judged  
based on

Problem Statement Understanding and Relevance

UI Design

UX

Creativity and Innovation

Functionality and Completeness

Secure Coding



# **CODING STREAM**

## **SUBMISSION FORMAT**

Email your solution to  
**21Z202@psgtech.ac.in**

**Title and Description:** Provide a title and brief description of the project, highlighting the problem statement being addressed, the solution proposed, and the benefits to the end-users.

**Demo Video:** Create a demo video showcasing the project in action. The video should be no longer than five minutes and should cover the key features of the project.

**Source Code:** Share the project's source code privately with the email ID provided, ensuring that it is well-documented and easy to understand.

**Documentation:** Provide a document detailing the project's technical architecture, implementation details, and any key design decisions taken. Also, include any additional instructions for setting up and running the project.