

PROJECT APPROVAL

UE20CS390A

**Project Title: A fintech application for the
currency of future**

Project guide: Prof. Gauri Sameer Rapate

Project ID : 127

Project team:

- 1) Aryansh Garg**
- 2) Harsh agrawal**
- 3) Harshit sharma**
- 4) Sagarikha M.**

OUTLINE:

- **Problem statement**
- **Scope and feasibility**
- **Applications**
- **Capstone (phase 1 and phase 2) project timeline**
- **Any other information**

PROBLEM STATEMENT

In the recent years, cryptocurrency has shown significant increase in the market capitalization, all the major companies like tesla have already started accepting bitcoin as their mode of payment.

In this ever growing era of using cryptocurrency as the mode of transaction, an application that can let people manage their cryptocurrency in terms of transactions and investments is the need of the hour.

Our goal is to develop an application that can predict prices of different cryptocurrencies by machine learning techniques and sentiment analysis as well as let users invest in the currency of their choice as personal finance. Users will be able to make peer-to- peer transactions through their crypto wallets as well

SCOPE AND FEASIBILITY STUDY

As the cryptocurrency is emerging to be the new mainstream mode of transactions, soon everyone will be needing a way to make transactions in crypto.

Since it is a new technology, there is no such platform available for making the transactions. People can use this application to get into the world of crypto and not miss out on major opportunities.

Firstly to spend in crypto people need to have cryptocurrency which can be done by investing in different currencies.

SCOPE AND FEASIBILITY STUDY

To make the investing process less risky, the application has a price prediction feature which uses machine learning techniques and sentiment analysis to predict the prices of different currencies so that the users can plan their investing strategies accordingly

Anyone who wish to make transactions in crypto or want to invest in crypto can use this one stop solution application.

CHALLENGES

1) Since it involves money, building trust among people by making the application secure.

2) Making better predictions by improving the accuracy of machine learning model, the model will perform better with time as more and more data will get registered.

3) Making the transactions smooth, hassle free and user friendly is one of the major challenge which can be done by developing a minimal interface

APPLICATIONS/USE CASES

- **Low cost and high speed money transfers**
- **store of value in the form of cryptocurrency**
- **Managing personal finance by investing in different cryptocurrencies**
- **A censorship resistant store of wealth.**
- **Private and secure transactions**
- **Plan investment strategies by looking at price predictions accordingly.**

EXPECTED DELIVERABLES

Capstone-1 deliverables:

- Complete literature survey
- finalizing of dataset and API
- High level design of the application
- Finalizing of machine learning model

Capstone-2 deliverables:

- End to end implementation
- Deployment of the application
- Application testing by different users
- Final report writing

CAPSTONE(PHASE-1 AND PHASE-2) PROJECT

TIMELINE

THANK YOU