

**“TIEVS” – A SMART ONLINE WEB APPLICATION THAN
ENHANCES CLASSIFIED ADVERTISING**

2021-195

Project Status Document PP1

**K.S.S. Bandaranayake
IT18113532**

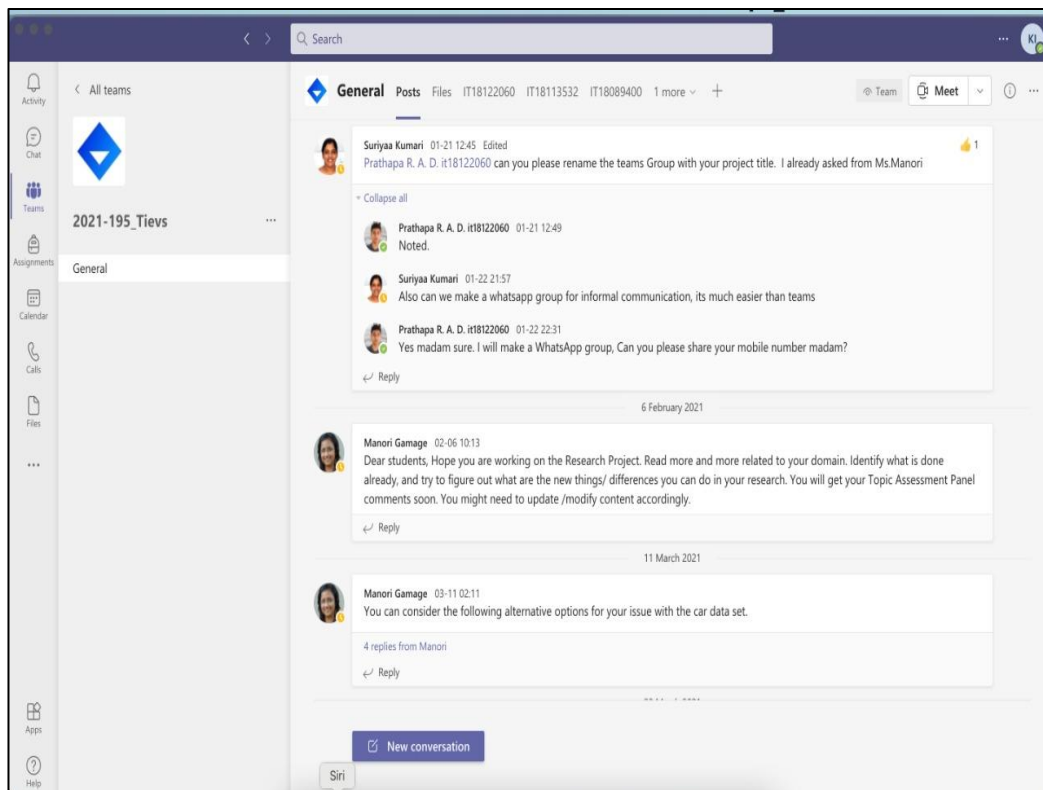
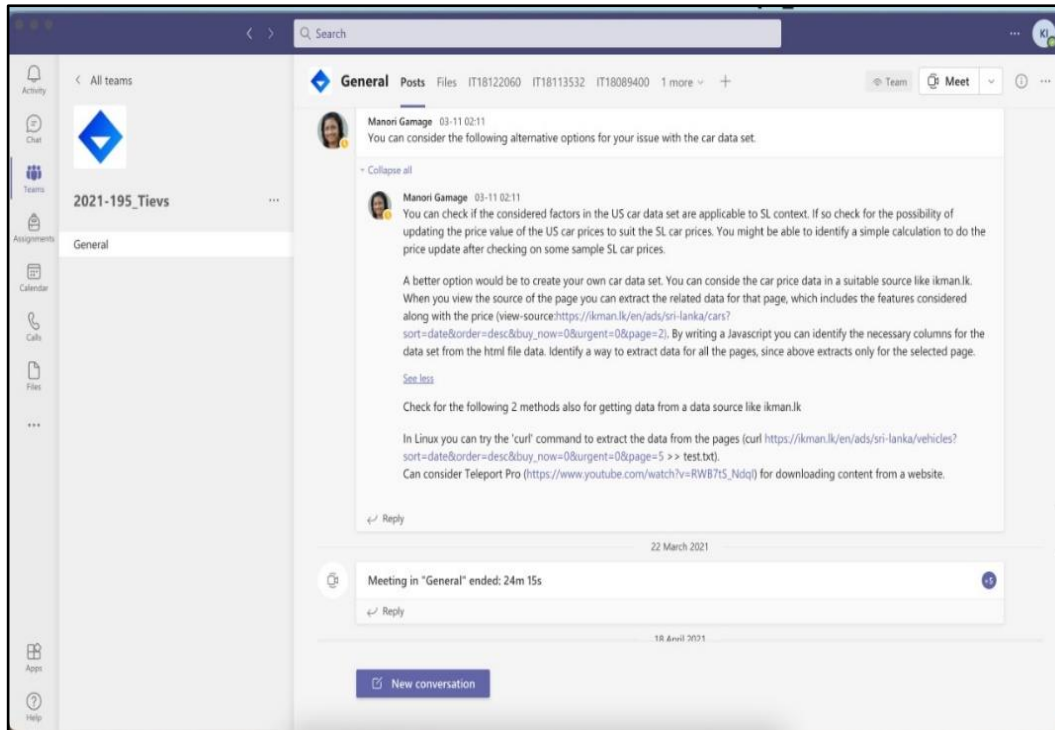
DYNAMIC CAR PRICE PREDICTION SYSTEM

**B.Sc. (Honors) Degree in Information Technology Specializing in
Information Technology**

**Department of Information Technology Sri Lanka Institute of
Information Technology
Sri Lanka
July 2021**

1) The screenshots chats and calls with supervisors

1.1 MS Teams



Search

< All teams

2021-195_Tievs

General

Meeting in "General" started

Manori Gamage 01-20 21:57
0772531154

Prathapa R. A. D. IT18122060 01-20 21:58
https://www.kaggle.com/arashnic/property-data/select=user_activity.csv

Meeting ended: 1h 35m

21 January 2021

Manori Gamage 01-21 09:57
Article on predicting Price of cars. <https://towardsdatascience.com/predicting-used-car-prices-with-machine-learning-techniques-8a9d8313952>

Predicting Used Car Prices with Machine Learning Techniques
Comparing Performance of Five Different ML Models
towardsdatascience.com

Manori Gamage 01-21 09:57
there are many more which you can go through
<https://medium.com/swlh/predicting-car-prices-using-machine-learning-60a98a56f971>

Predicting Car Prices Using Machine Learning
medium.com

New conversation

Search

< All teams

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General

Manori Gamage 01-21 11:00
Other than analyzing the advertisement content for spam/irrelevant words, if you can propose what is missing in the advert or propose some better wording to include that would be more usable. Check the possibility of doing something like this.

Suriyaa Kumari 01-21 11:02
yes that will be good approach

Manori Gamage 01-21 11:02
Check the section 03 in the article. **3) Curating More Precise Content** <https://www.singlegrain.com/artificial-intelligence/12-ways-to-use-machine-learning-in-digital-marketing/>

12 Ways to Use Machine Learning in Digital Marketing - Single Grain
By 2020, 30% of brands will be using machine learning to help with personalization, automation, optimization and more. Here are 12 ways marketers can use ML.
www.singlegrain.com

Ravhan J.M.S. IT18089400 01-21 12:36
Okay madam. I will go through the article and check the possibility of doing this.

22 January 2021

Suriyaa Kumari 01-21 12:45 Edited
Prathapa R. A. D. IT18122060 can you please rename the teams Group with your project title. I already asked from Ms.Manori
3 replies from Prathapa R. A. D. IT18122060 and Suriyaa

New conversation

Search

< All teams

2021-195_Tievs

General

Predicting Car Prices Using Machine Learning
Introduction
medium.com

Suriyaa Kumari 01-21 10:47
Component 1
After discussing with Ms.Manori, I felt that you can add the following to the contribution

- add a chatbot to get the user input to capture the user preferences/requiremnts when user access to the system
- based on the input, you can do a classification with use of "Rule Based Classifier"

Prathapa R. A. D. IT18122060 01-21 11:59
Yes madam this idea looks more convenient.
Then shall I proceed with this as my component?

Suriyaa Kumari 01-21 12:04
Yes sure

Manori Gamage 01-21 11:00
Other than analyzing the advertisement content for spam/irrelevant words, if you can propose what is missing in the advert or propose some better wording to include that would be more usable. Check the possibility of doing something like this.

New conversation

Activity

Chat

Teams

Assignments

Calendar

Calls

Files

...

Apps

Help

< >

Search

...

KJ

General Posts Files IT18122060 IT18113532 IT18089400 1 more +

Team Meet

2021-195_Tievs

General

Jira Cloud

2020-12-15 09:40

Sorry, it looks like something went wrong.

Reply

Manori Gamage

2020-12-15 10:21

Classifying Fake and Real Job Advertisements using Machine Learning (analyticsindiamag.com)

Classifying Fake and Real Job Advertisements using Machine Learning

Classifying Fake and Real Job Advertisements using Machine Learning - fake job classification using support vector machine

analyticsindiamag.com

Collapse all

👍 ❤️ 😊 😬 😏 😜 ...

Manori Gamage

2020-12-15 10:23

Price Forecasting: Applying Machine Learning Approaches to Electricity, Flights, Hotels, Real Estate, and Stock Pricing | AltexSoft

Price Forecasting: Applying Machine Learning Approaches to Electricity, Flights, Hotels, Real Estate,...

When you give customers advice that can help them save some money, they will pay you back with loyalty, which is priceless. Interesting fact: Fareboon users sta

www.altexsoft.com

Linear Regression Machine Learning Project for House Price Prediction - Data Science & ML (studygyaan.com)

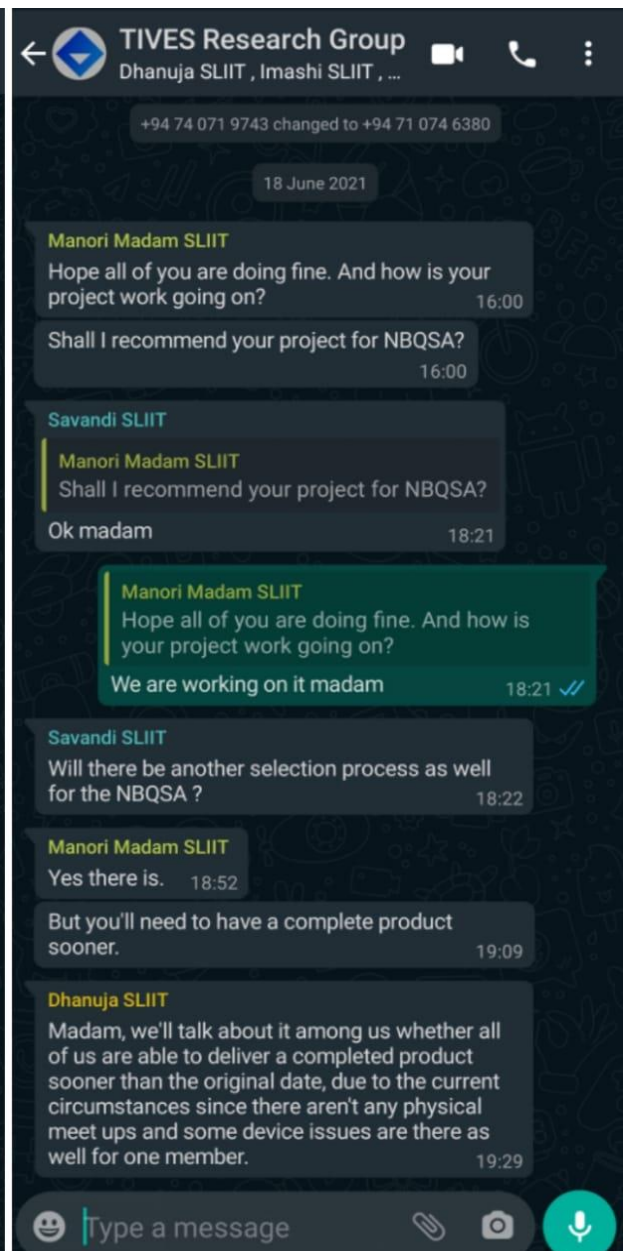
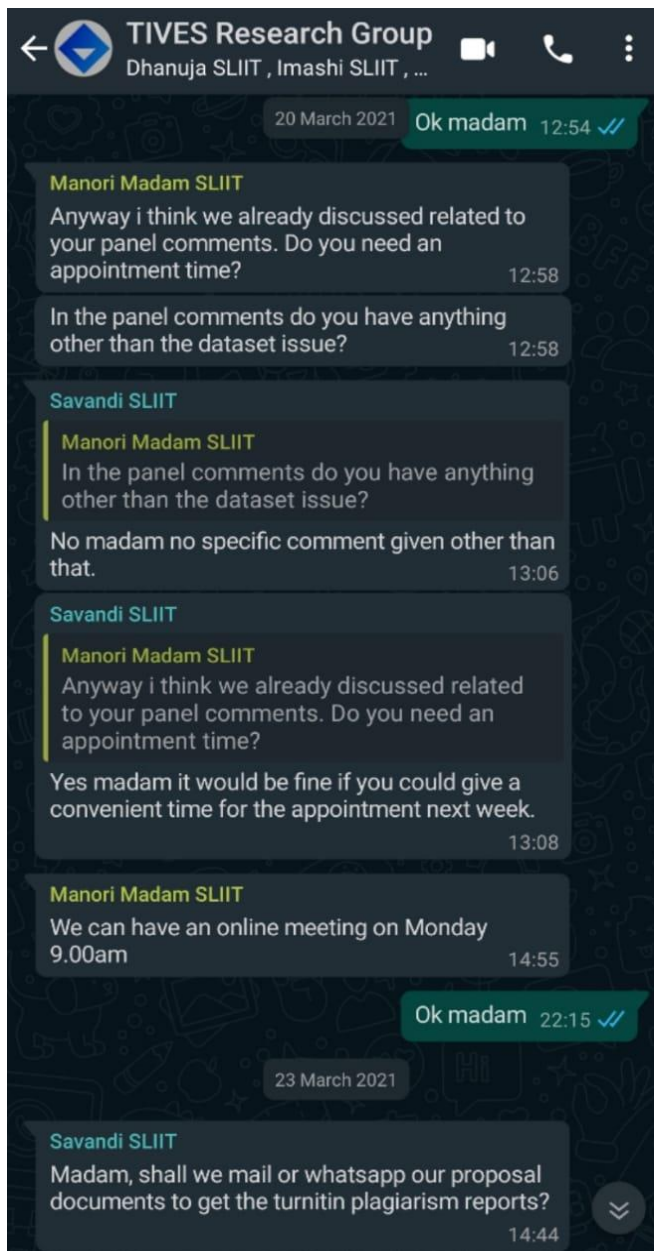
Linear Regression Machine Learning Project for House Price Prediction - Data Science & ML

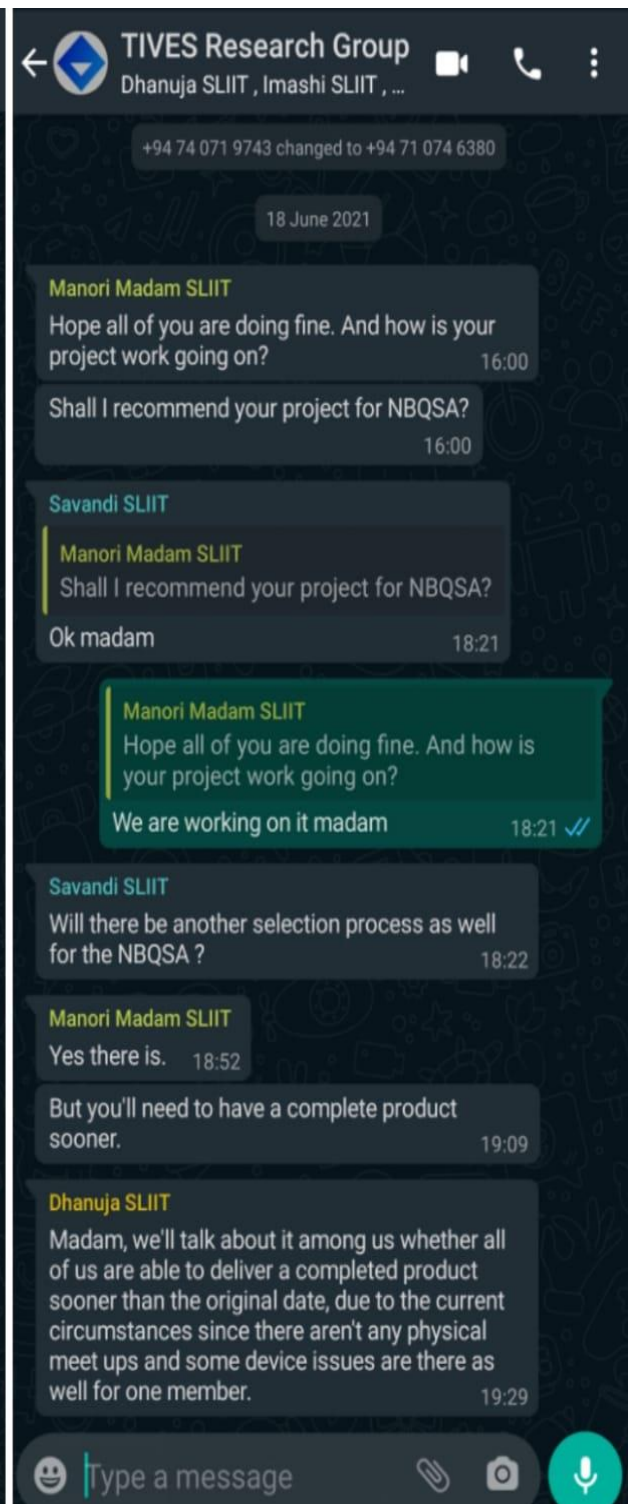
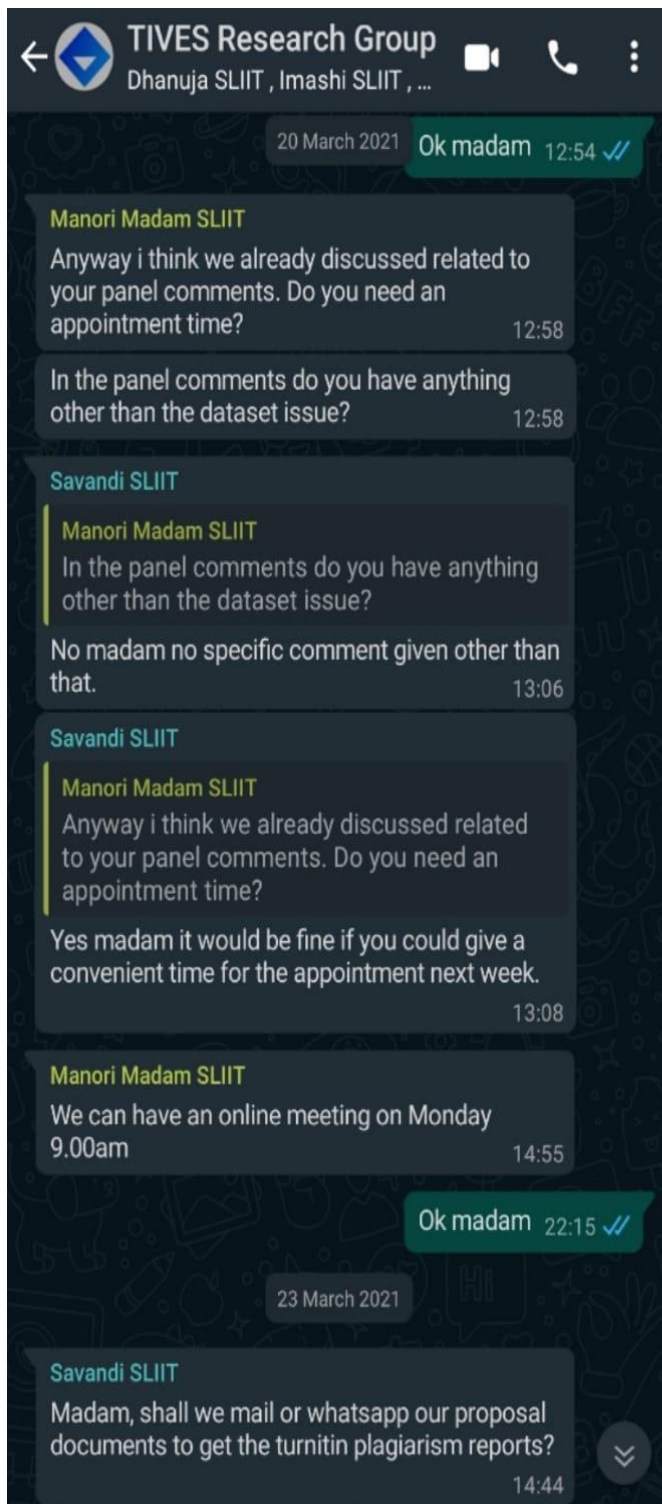
Learn to Predict House Price Prediction using Linear Regression Machine Learning with real world example for USA. Machine Learning Project.

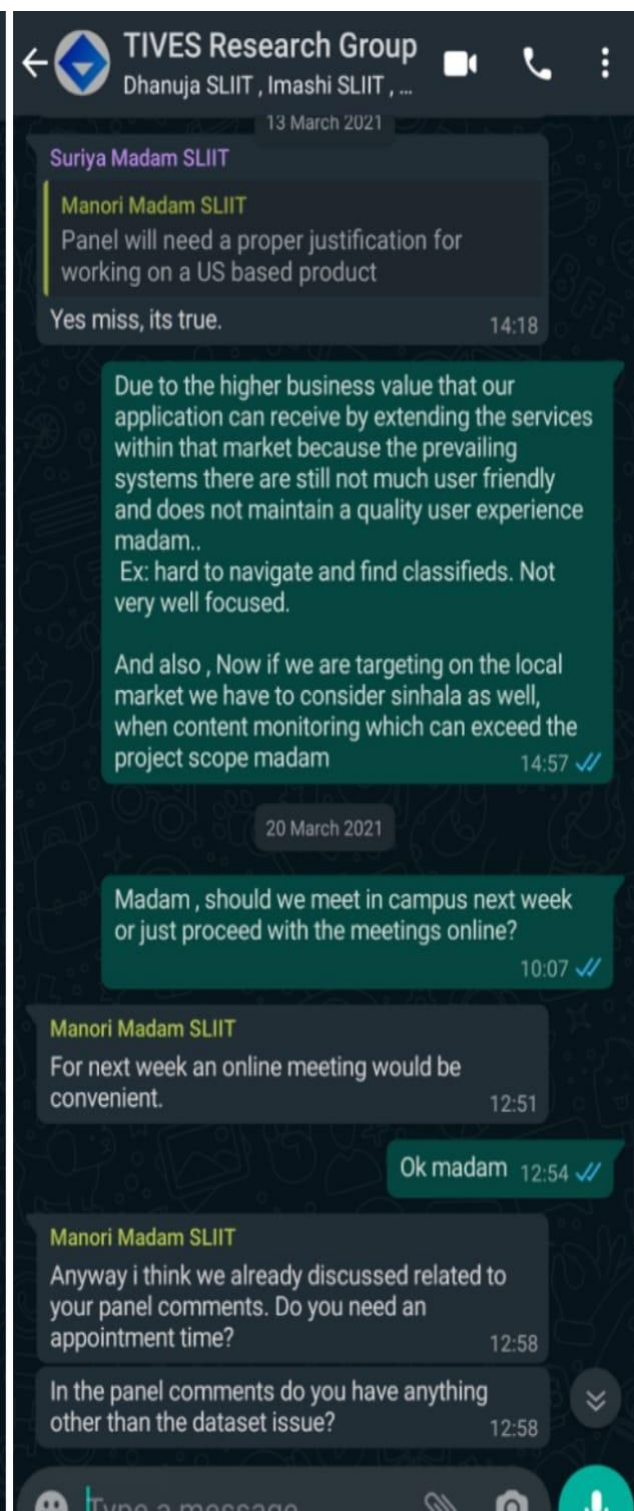
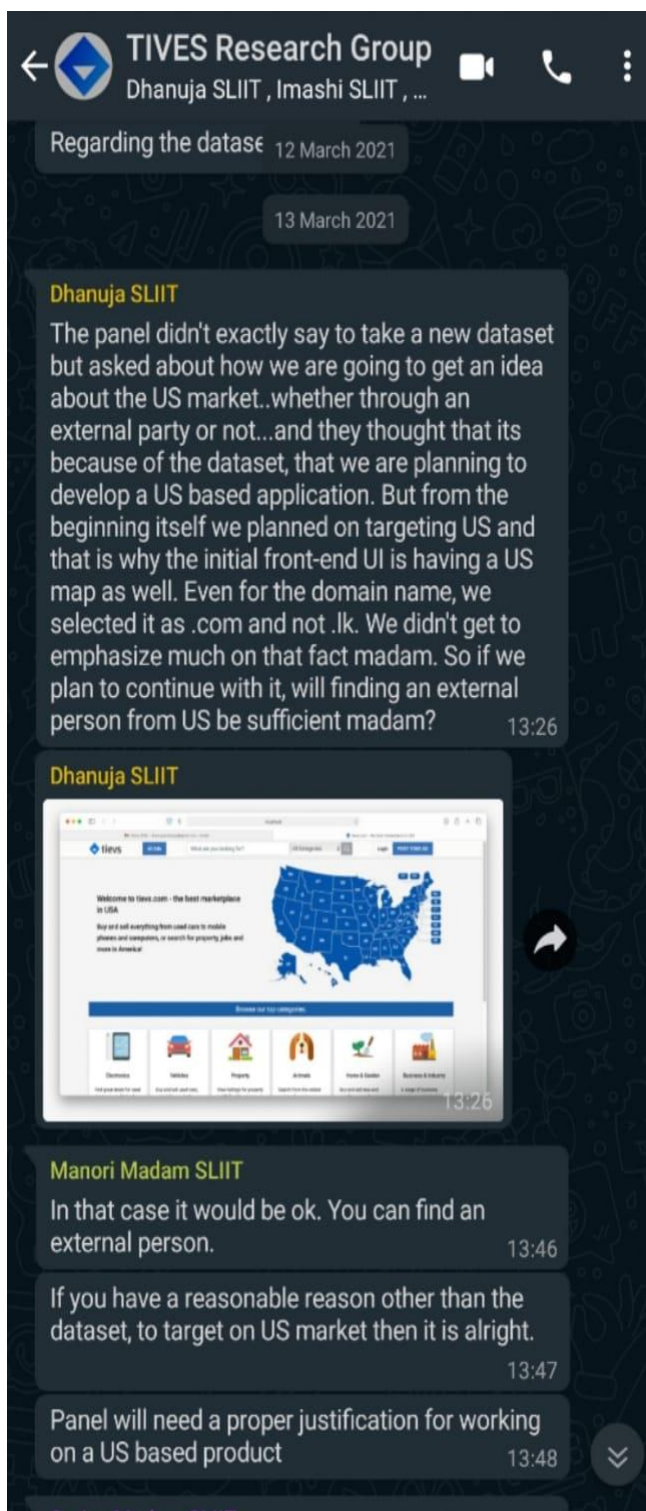
studygyaan.com

Reply

New conversation

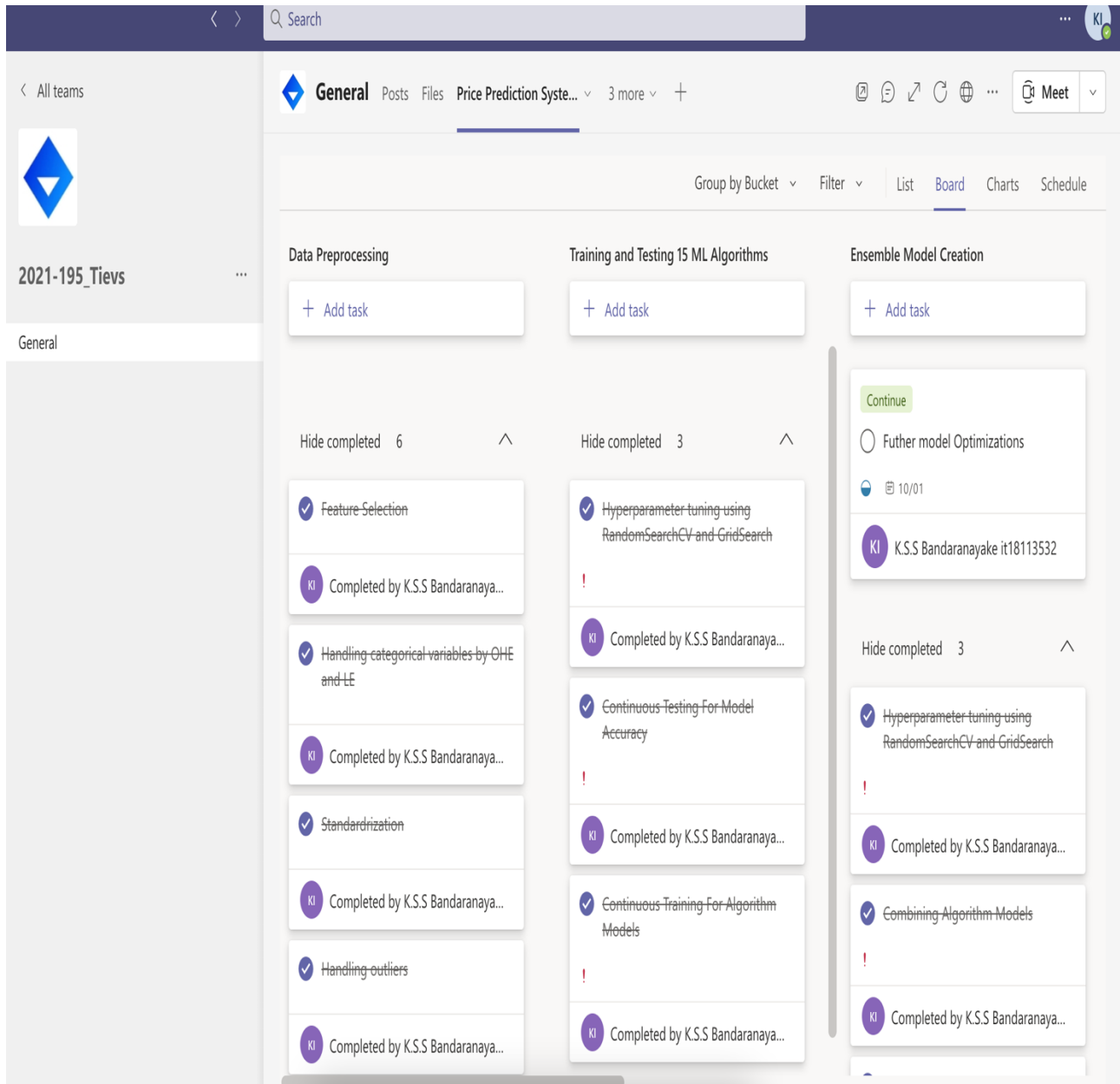






2) Project View/Gantt Chart

2.1) Work breakdown structure



The screenshot displays a project management interface for a "Price Prediction System" project. The interface is organized into three main columns representing different stages of the project:

- Data Preprocessing:** This column contains six tasks, all of which are completed. The tasks are: "Feature-Selection", "Handling categorical variables by OHE and LE", "Standardization", and "Handling outliers". Each task is marked with a checkmark and a "Completed by K.S.S Bandaranaya..." status.
- Training and Testing 15 ML Algorithms:** This column contains five tasks. The first task, "Hyperparameter tuning using RandomSearchCV and GridSearch", is marked with a checkmark and a "Completed by K.S.S Bandaranaya..." status. The second task, "Continuous Testing For Model Accuracy", is marked with a checkmark and a "Completed by K.S.S Bandaranaya..." status. The third task, "Continuous Training For Algorithm Models", is marked with a checkmark and a "Completed by K.S.S Bandaranaya..." status. The fourth and fifth tasks are marked with exclamation marks and "Completed by K.S.S Bandaranaya..." status.
- Ensemble Model Creation:** This column contains three tasks. The first task, "Further model Optimizations", is marked with a "Continue" label and a "Completed by K.S.S Bandaranaya..." status. The second task, "Hyperparameter tuning using RandomSearchCV and GridSearch", is marked with a checkmark and a "Completed by K.S.S Bandaranaya..." status. The third task, "Combining Algorithm Models", is marked with a checkmark and a "Completed by K.S.S Bandaranaya..." status.

The interface also includes a search bar at the top, a sidebar with a team list, and a bottom navigation bar with various icons.

Search

...

KI

General

Posts

Files

Price Prediction Syste...

3 more

+

...

Meet

Group by Bucket

Filter

List

Board

Charts

Schedule

Price Prediction API Creation (flask)

+ Add task

Hide completed 3

✓ Price Prediction of given set of features using imported model pickles

KI Completed by K.S.S Bandaranaya...

✓ Using pickling method, import models into API

KI Completed by K.S.S Bandaranaya...

✓ Create API using flask framework

KI Completed by K.S.S Bandaranaya...

Implementing UI components and final in

+ Add task

○ Application front-end/back-end integration and testing for bugs

! 07/28

KI K.S.S Bandaranayake it18113532

○ Designing UI

! 08/09

KI K.S.S Bandaranayake it18113532

Finalization

○ Integration testing and Finalize System

! 10/01

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Overall Research Process

+ Add task

Submission

○ SRS Doc 2 Creation and Submission

! 09/01

KI K.S.S Bandaranayake it18113532

○ Final Research Paper Submission

! 09/13

KI K.S.S Bandaranayake it18113532

○ Final Report Submission

! 10/05

KI K.S.S Bandaranayake it18113532

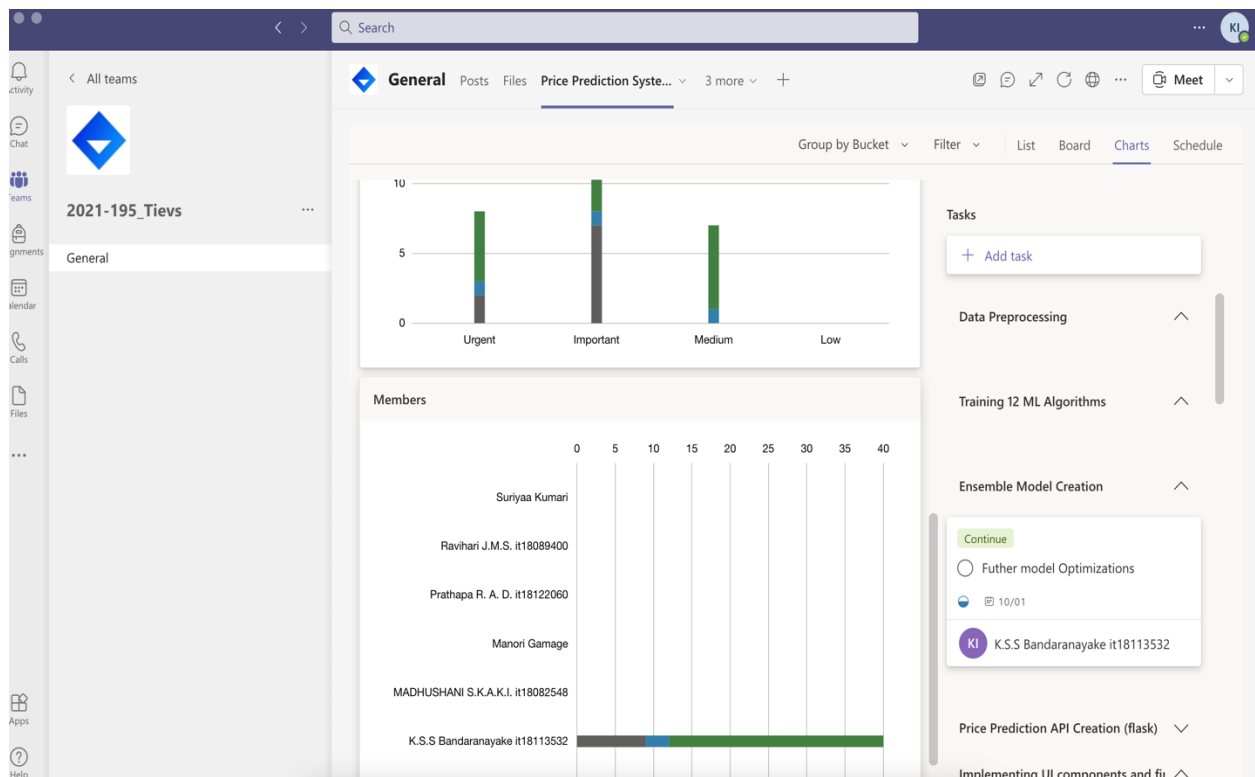
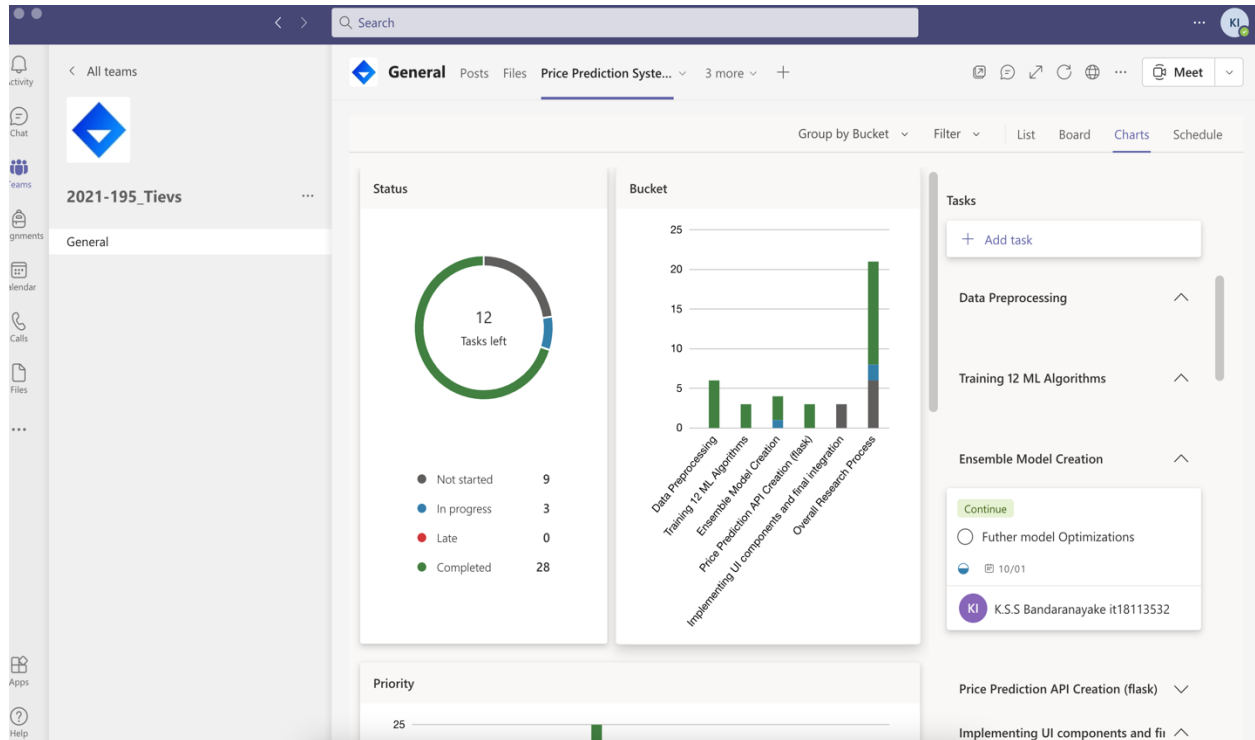
○ Progress Review 2

! 09/15

KI K.S.S Bandaranayake it18113532

○ Final Presentation and Viva

2.2) MS teams generated reports.



2.3) Gantt Chart Current Status

** Depicted by the blue line

