

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

**2021-195**

**Project Status Document PP1**

**R.A.D. Prathapa  
IT18122060**

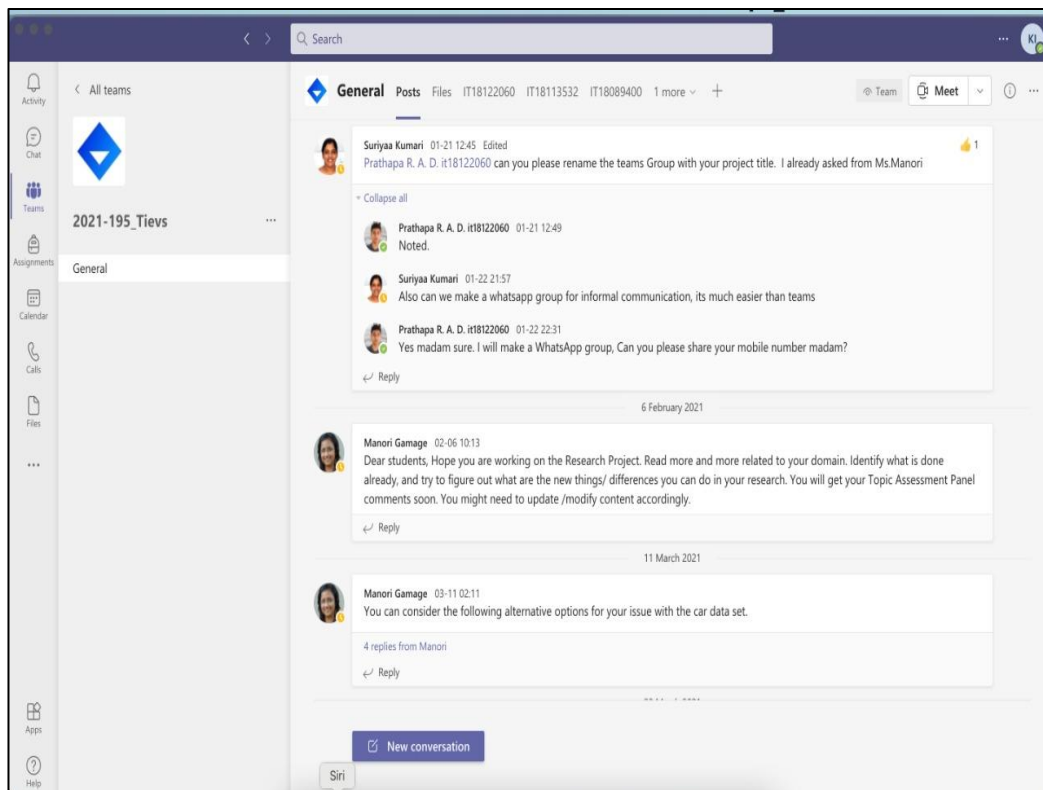
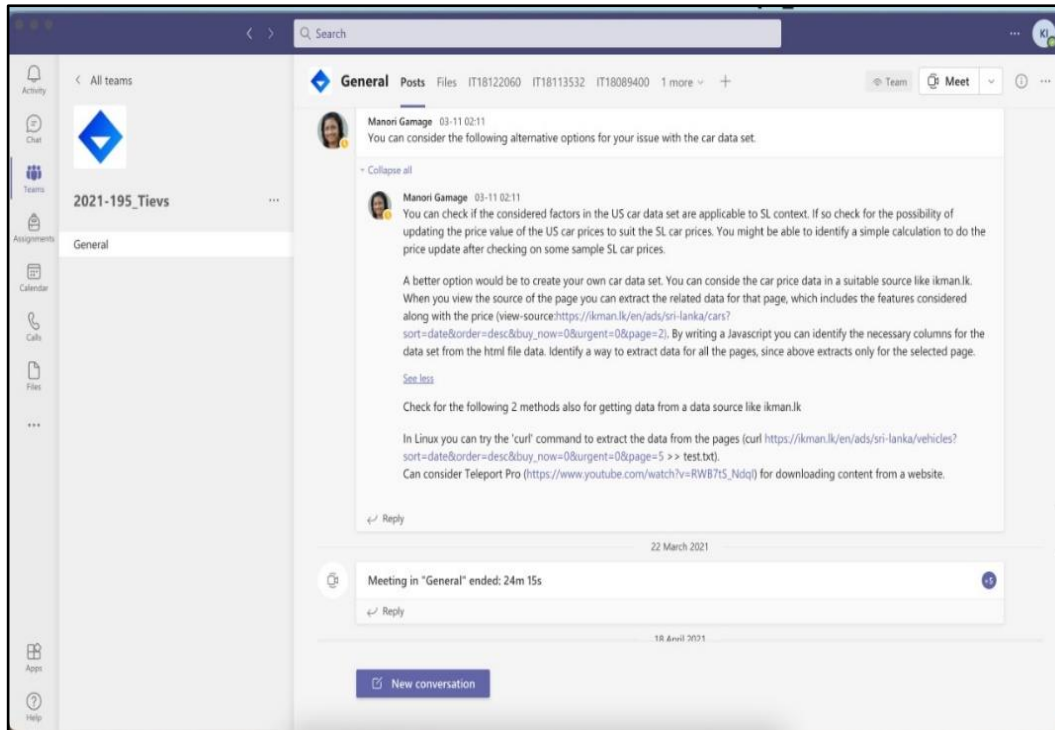
**CAR CLASSIFIEDS RECOMMENDATION SYSTEM**

**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](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

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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

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2021-195\_Tievs

General


General Posts Files IT18122060 IT18113532 IT18089400 1 more +


Team Meet

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 (analyticiindiamag.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  
analyticiindiamag.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

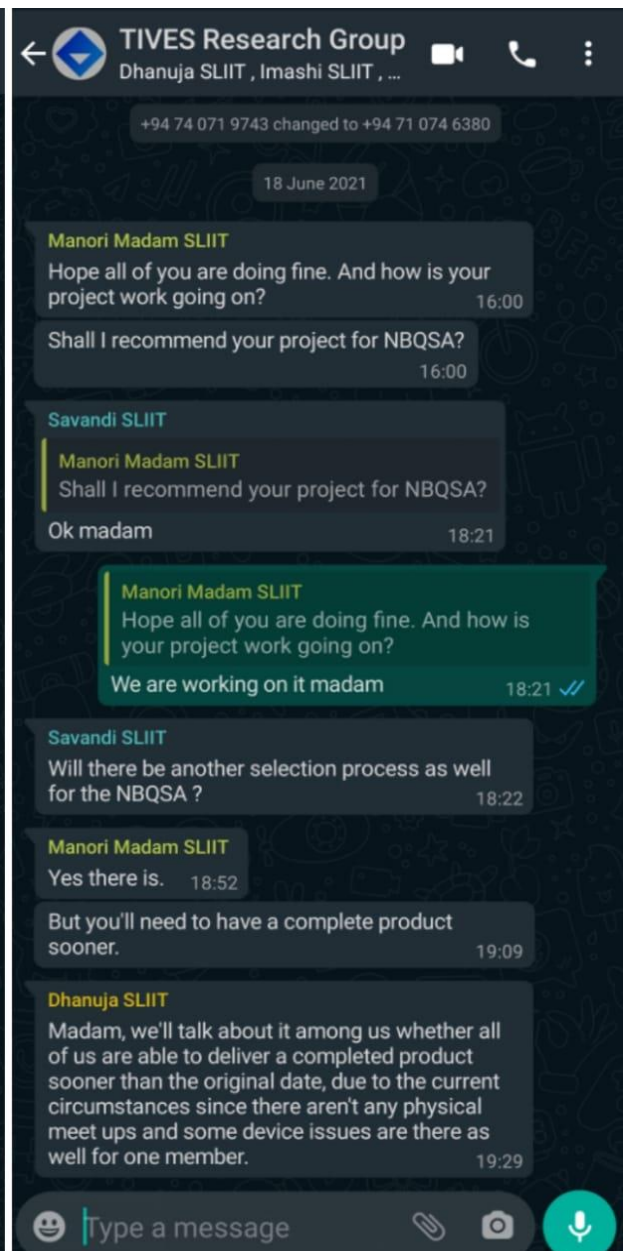
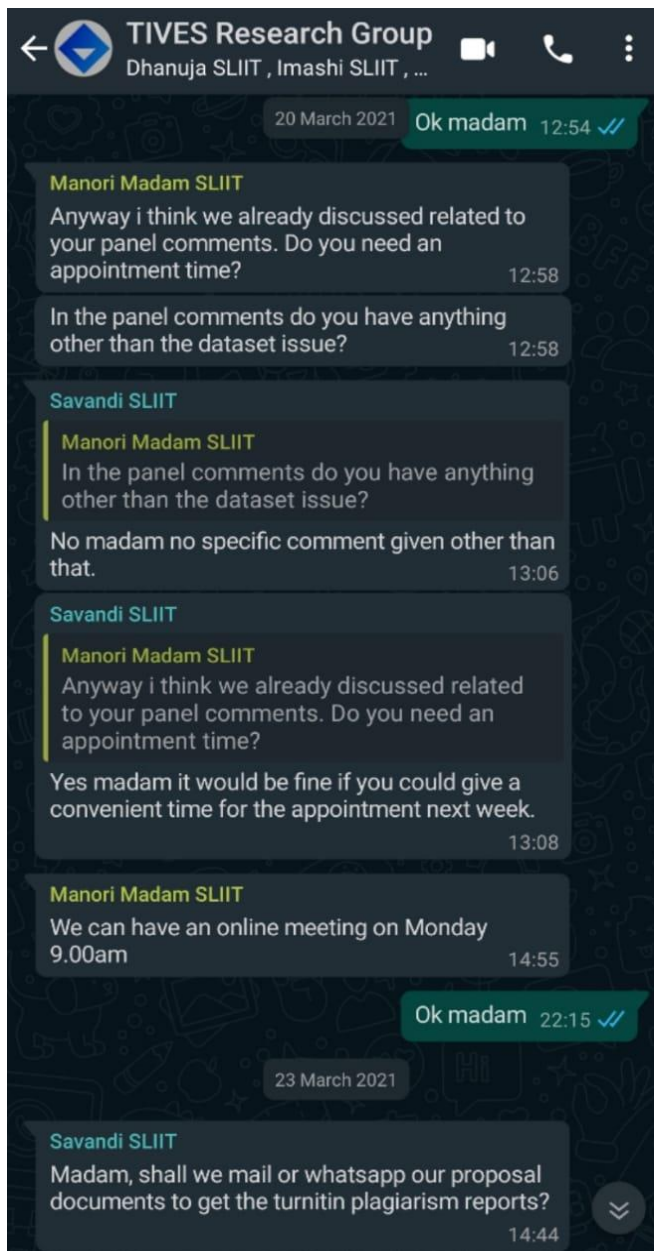
Linear Regression Machine Learning Project for House Price Prediction - Data Science & ML (studygyaan.com)  
 **Linear Regression Machine Learning Project for House Price Prediction - Data Science & ML**  
Learn to Predict House Price Prediction using Linear Regression Machine Learning with real world example for USA. Machine Learning Project.  
studygyaan.com

Reply

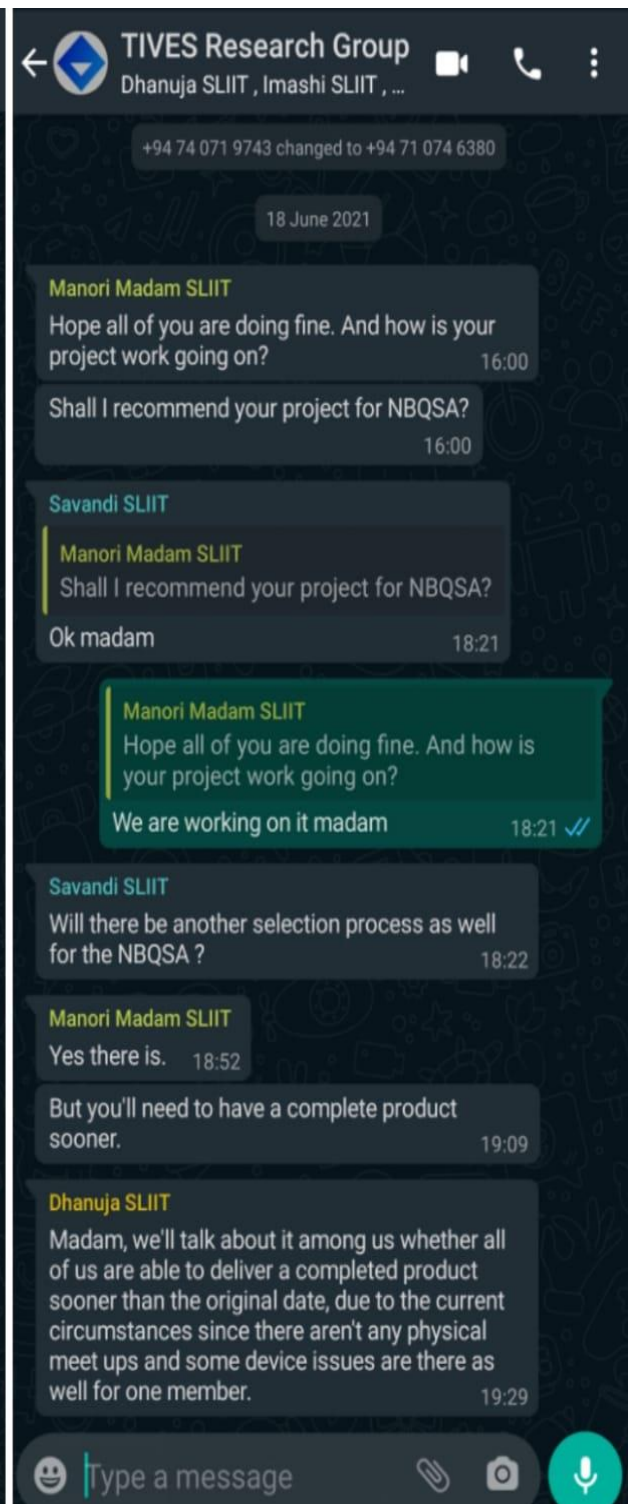
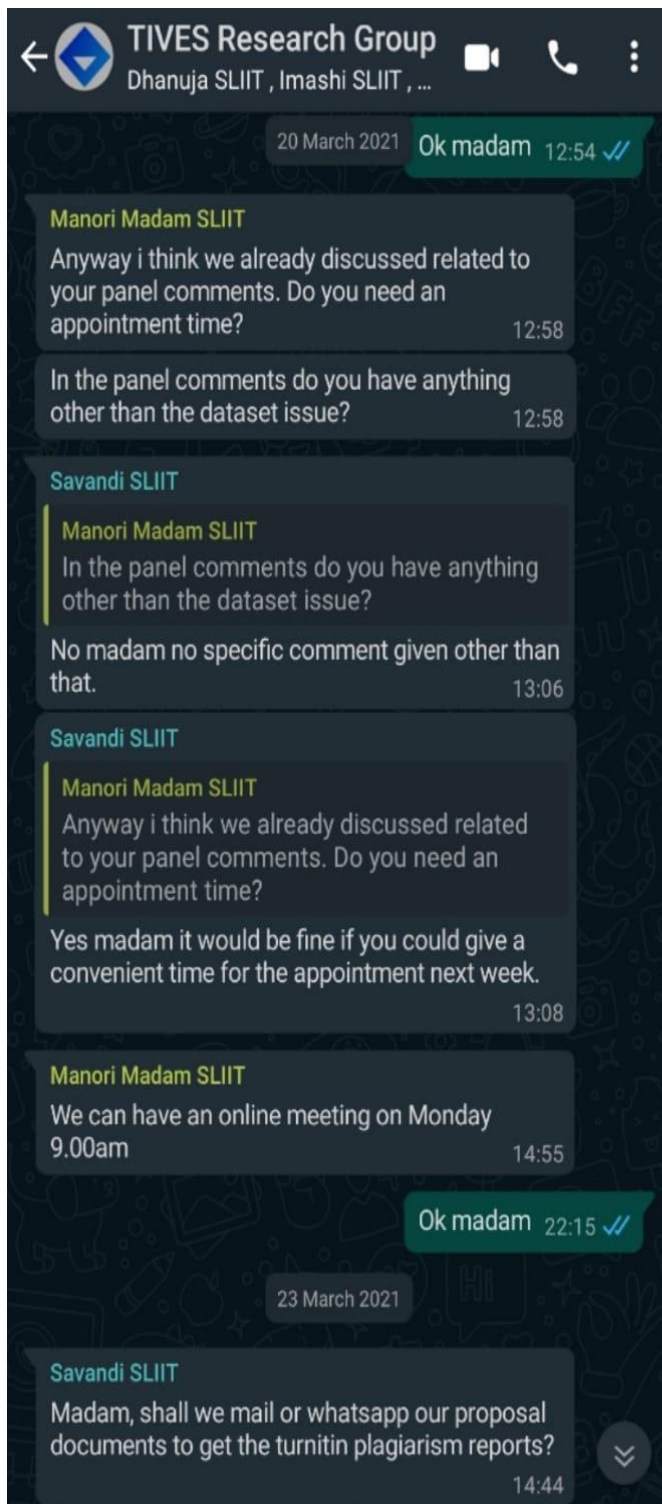
New conversation



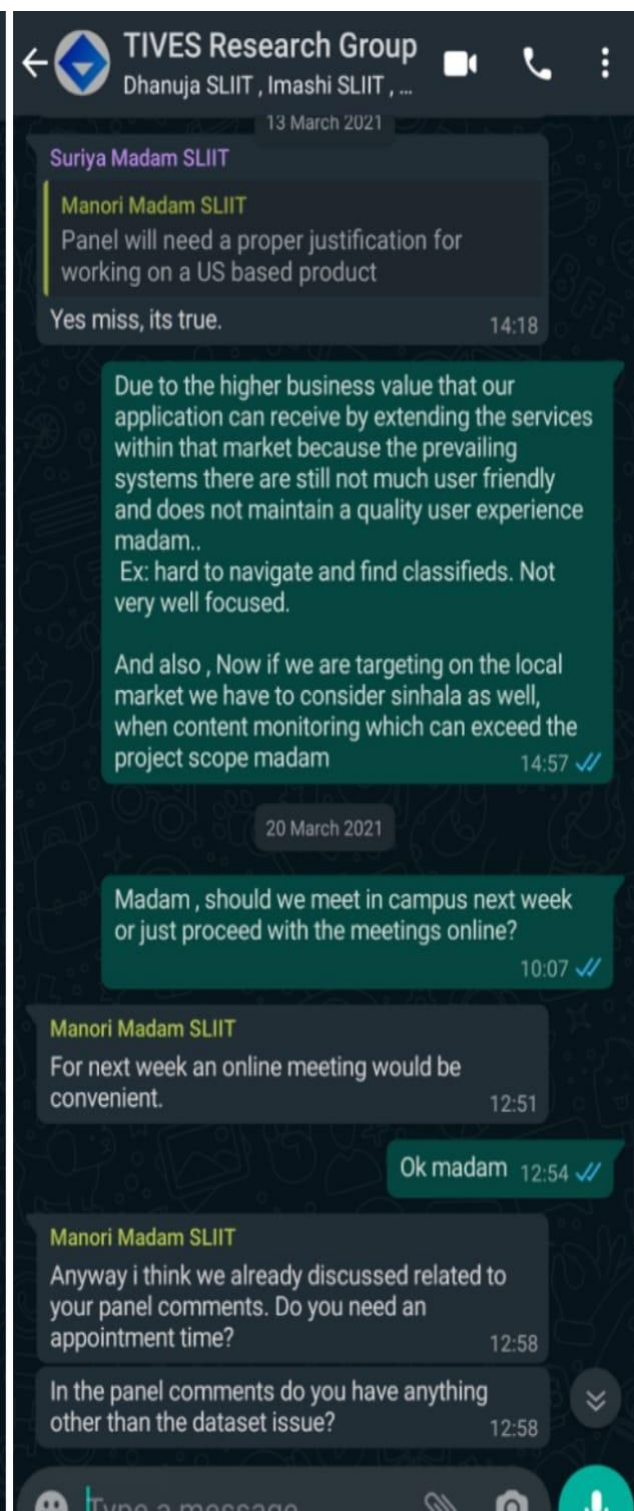
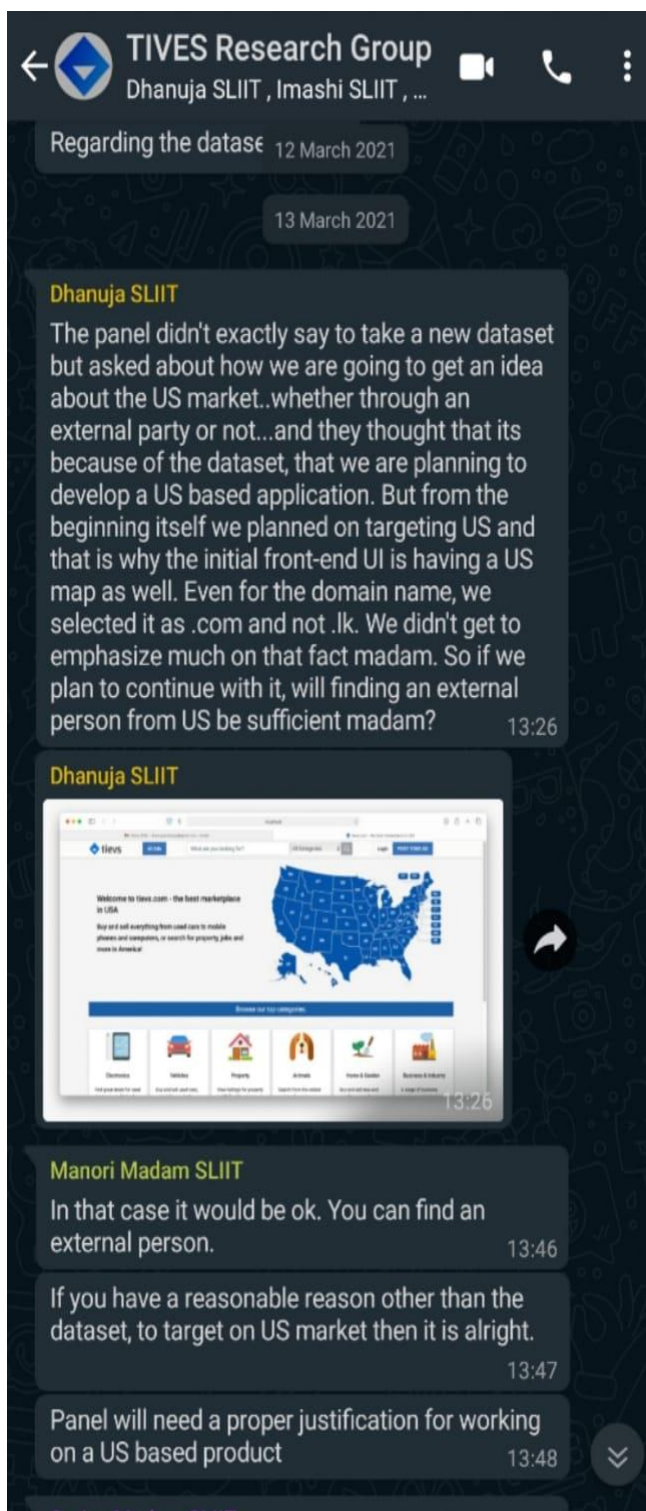












## 2) Project View/Gantt Chart

### 2.1) Work breakdown structure

The screenshot displays the Microsoft Teams interface for a project named 'Recommendation Sys...'. The left sidebar shows the 'Teams' section with a list of teams including '2021-195\_Tievs', 'General', 'ITP', 'Norm', 'HCI IT3060 Groups - Weekend ...', 'PAF\_Group51021.1', 'HCI WE 75', '2021-Reg-ICTD', 'PPW-2021', and 'General'. The main area shows the 'General' channel with a 'Board' view. The board is organized into three columns: 'Data Preprocessing', 'Data Embeddings', and 'Data Similarity Calculation'. Each column contains a list of tasks, each marked as 'Completed' by 'Prathapa R. A. D. i...'. The tasks are: 'Feature Engineering', 'Visualization', 'Handling Missing values', and 'Handling Outliers' under Data Preprocessing; 'Pickle export', 'Embedding method creation (GoogleJSE)', and 'Sentence Cleaning' under Data Embeddings; and 'Set index method creation', 'Calculation of the similarity using the method', and 'Loading from Pickle' under Data Similarity Calculation. A footer message states: 'We're sorry, but Planner is temporarily in read-only mode. Please try again later.'

Task	Status	Completed by
Feature Engineering	Completed	Prathapa R. A. D. i...
Visualization	Completed	Prathapa R. A. D. i...
Handling Missing values	Completed	Prathapa R. A. D. i...
Handling Outliers	Completed	Prathapa R. A. D. i...
Pickle export	Completed	Prathapa R. A. D. i...
Embedding method creation (GoogleJSE)	Completed	Prathapa R. A. D. i...
Sentence Cleaning	Completed	Prathapa R. A. D. i...
Set index method creation	Completed	Prathapa R. A. D. i...
Calculation of the similarity using the method	Completed	Prathapa R. A. D. it...
Loading from Pickle	Completed	Prathapa R. A. D. i...

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Teams

Join or create a team

Search

Sri Lanka Institute of Information Technology

General

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Recommendation Sys...

3 more

+

Group by Bucket

Filter

List

Board

Charts

Schedule

ecSys API Creation (flask)

+ Add task

Hide completed 4

✓ Check set\_index method creation

Completed by Prathapa R. A. D. i...

✓ Find similar method creation

Completed by Prathapa R. A. D. i...

✓ Create API router

Completed by Prathapa R. A. D. i...

✓ Import pickle modules for similarity calculation

Completed by Prathapa R. A. D. i...

UI and final integration

+ Add task

○ Integration and System testing

Prathapa R. A. D. it18122060

○ Application Integration

Prathapa R. A. D. it18122060

○ UI Creation

Prathapa R. A. D. it18122060

○ CMS implementation

Prathapa R. A. D. it18122060

Research Process Milestones

+ Add task

○ Log Book Creation

Prathapa R. A. D. it18122060

○ Status Document 2 Creation

Prathapa R. A. D. it18122060

○ Status Document 1 Creation

Prathapa R. A. D. it18122060

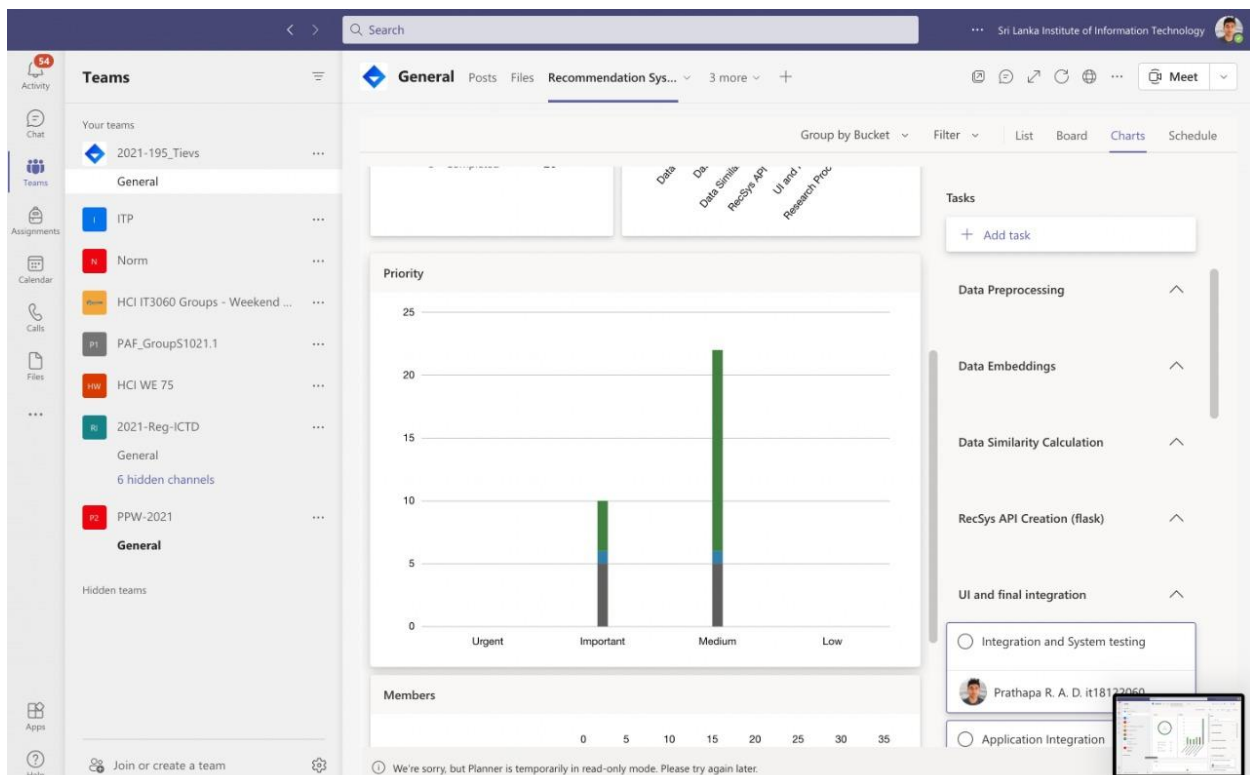
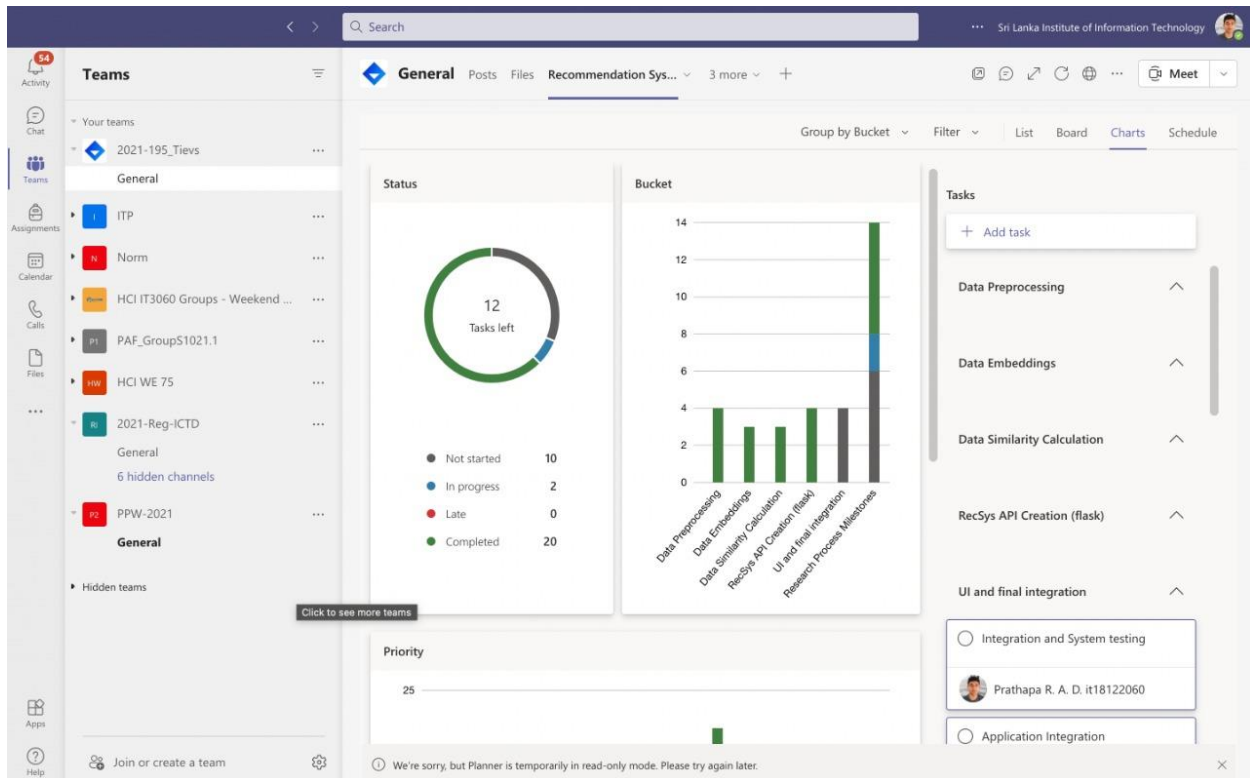
○ Final presentation and viva

Prathapa R. A. D. it18122060

○ Final Research Paper

We're sorry, but Planner is temporarily in read-only mode. Please try again later.

## 2.2) MS teams generated reports.





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Recommendation Sys...

3 more

+

Meet

Group by Bucket

Filter

List

Board

Charts

Schedule

10

5

0

Urgent

Important

Medium

Low

Members

0

5

10

15

20

25

30

35

Suriyaa Kumari

Ravihari J.M.S. it18089400

Manori Gamage

MADHUSHANI S.K.A.K.I. it18082548

K.S.S Bandaranayake it18113532

Prathapa R. A. D. it18122060

Unassigned

Tasks

+ Add task

Data Preprocessing

^

Data Embeddings

^

Data Similarity Calculation

^

RecSys API Creation (flask)

^

UI and final integration

^

Integration and System testing

Prathapa R. A. D. it18122060

Application Integration

Join or create a team

We're sorry, but Planner is temporarily in read-only mode. Please try again later.

## 2.3) Gantt Chart

