# “DreamIT”

## Multi-Model Approach to Recommend Personalized Music Playlist

.

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**Status Document - 1**

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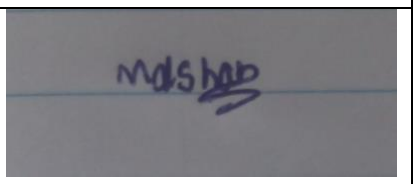
## Declaration

I declare that this is my work, and this proposal does not incorporate without acknowledgment any material previously submitted for a degree or diploma in any other university or institute of higher learning, and to the best of our knowledge and belief, it does not contain any material previously published or written by another person except where the acknowledgment is made in the text.

| Name | Student ID | Signature |
|---|---|---|
| Gunasekara C.M | It20665852 |  |

The above candidate is carrying out research for the undergraduate Dissertation under my supervision.

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Signature of the supervisor  Date

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# 1.Screenshots of calls of ms teams

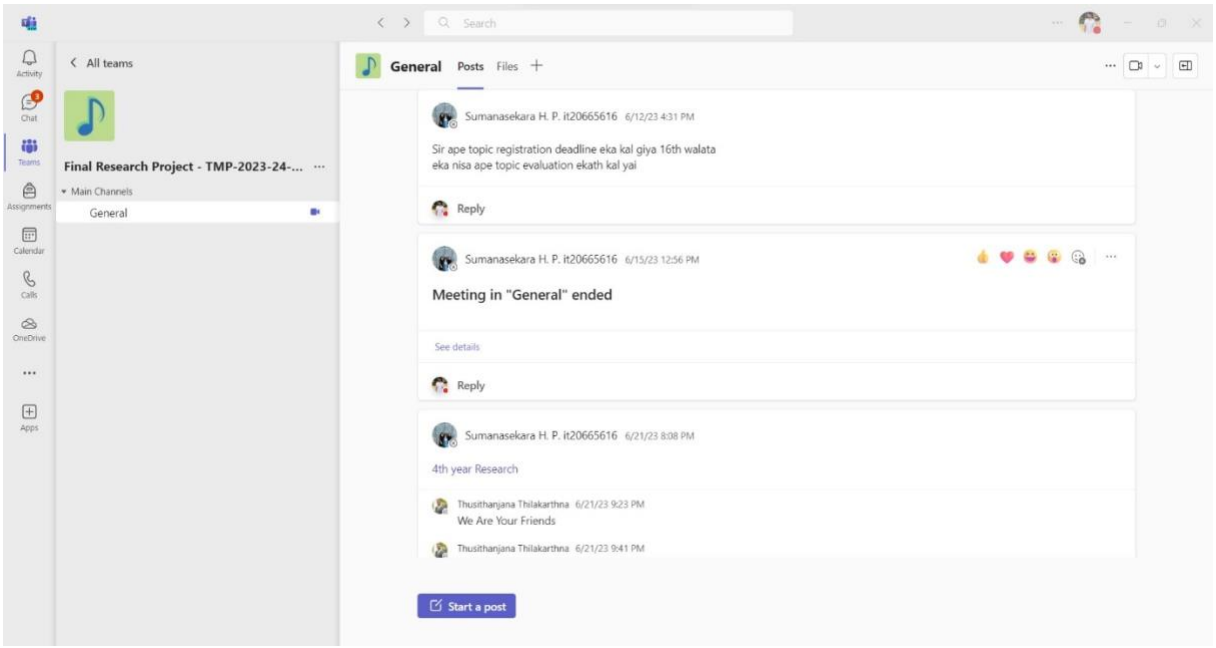
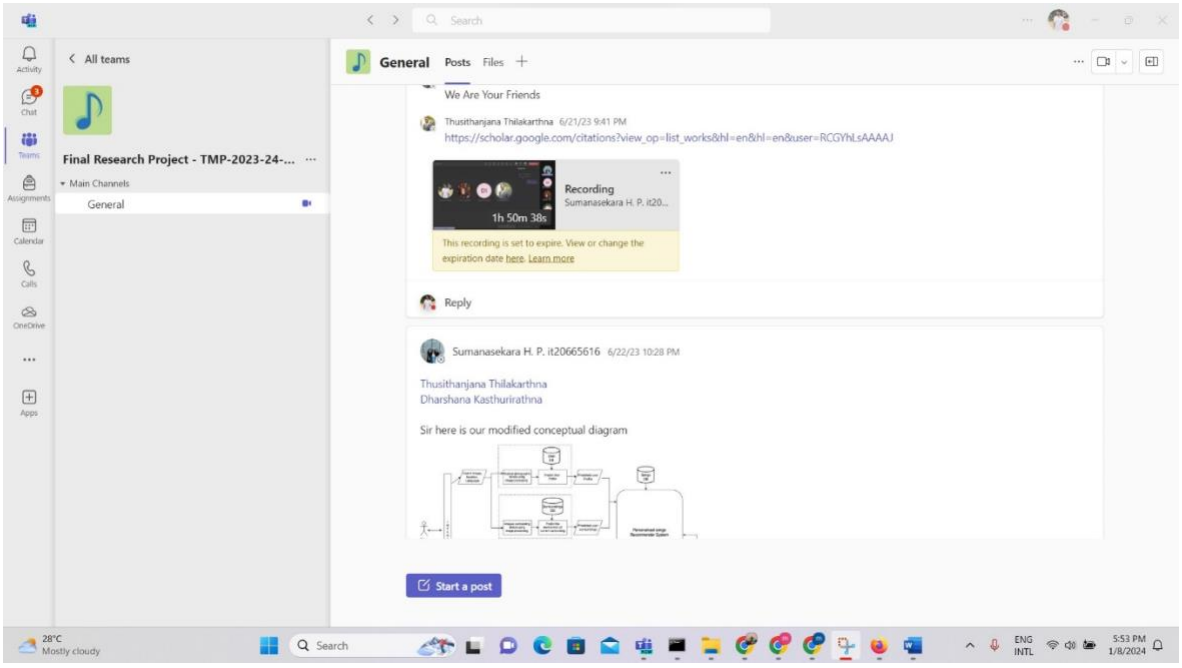



***Figure : meetings conducted through teams***

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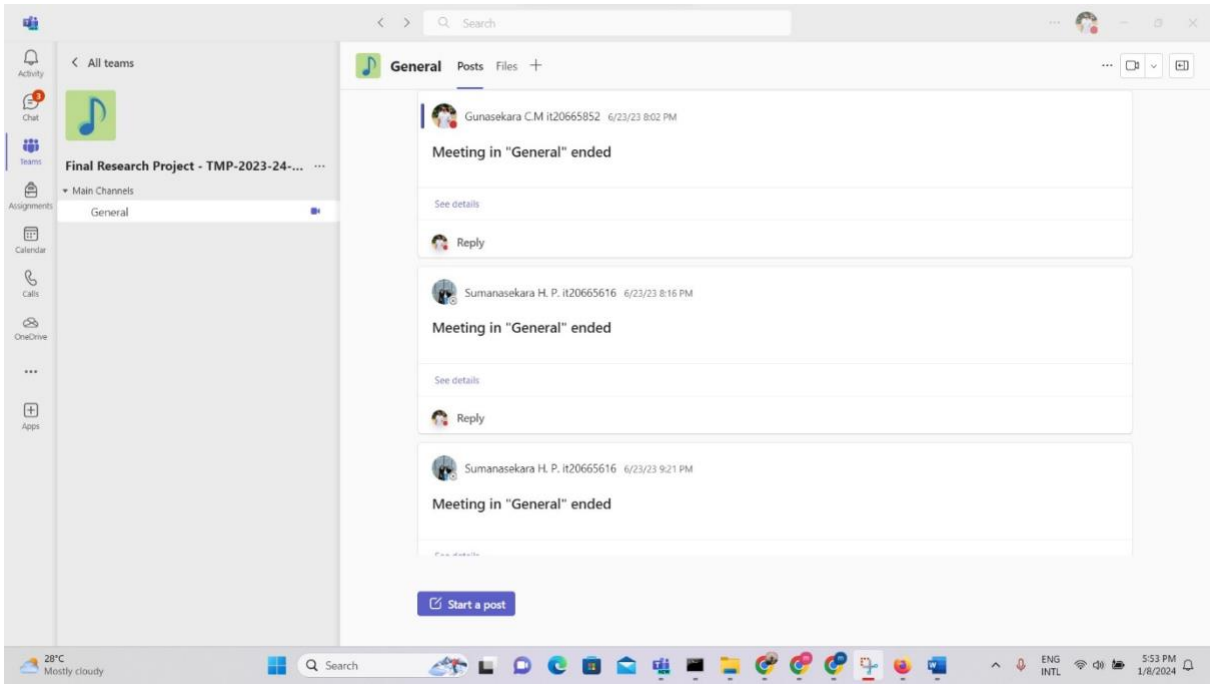


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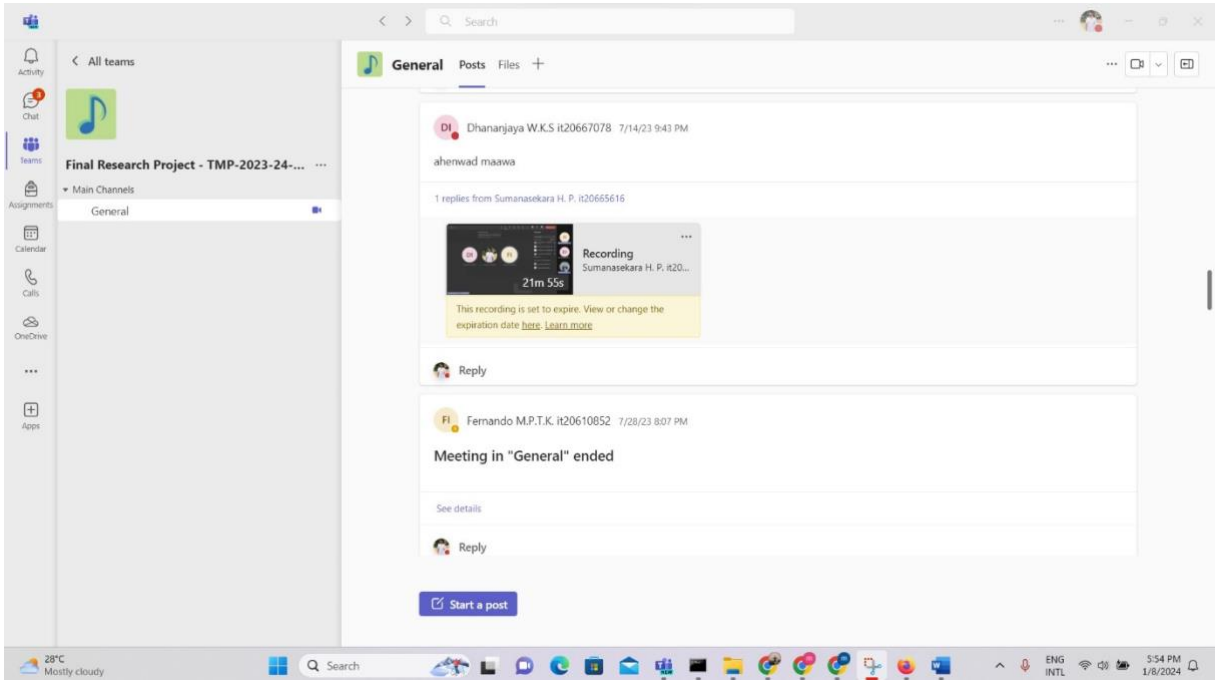


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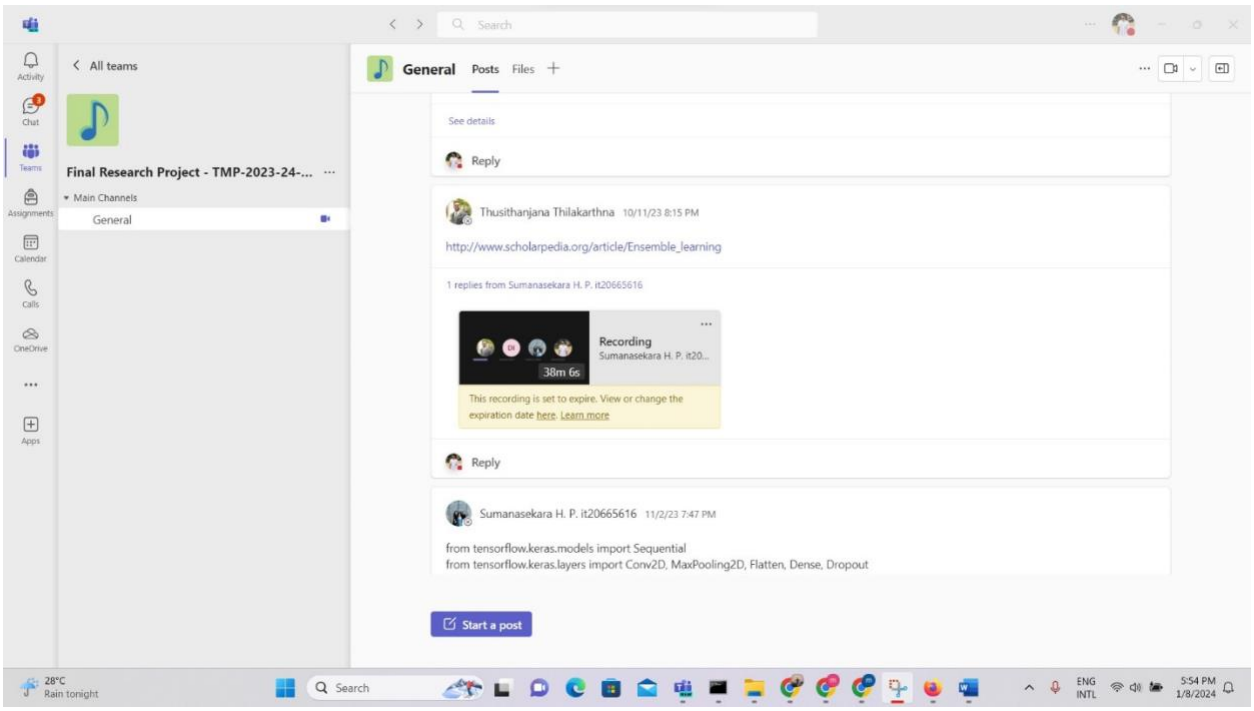



*Figure : meetings conducted through teams*

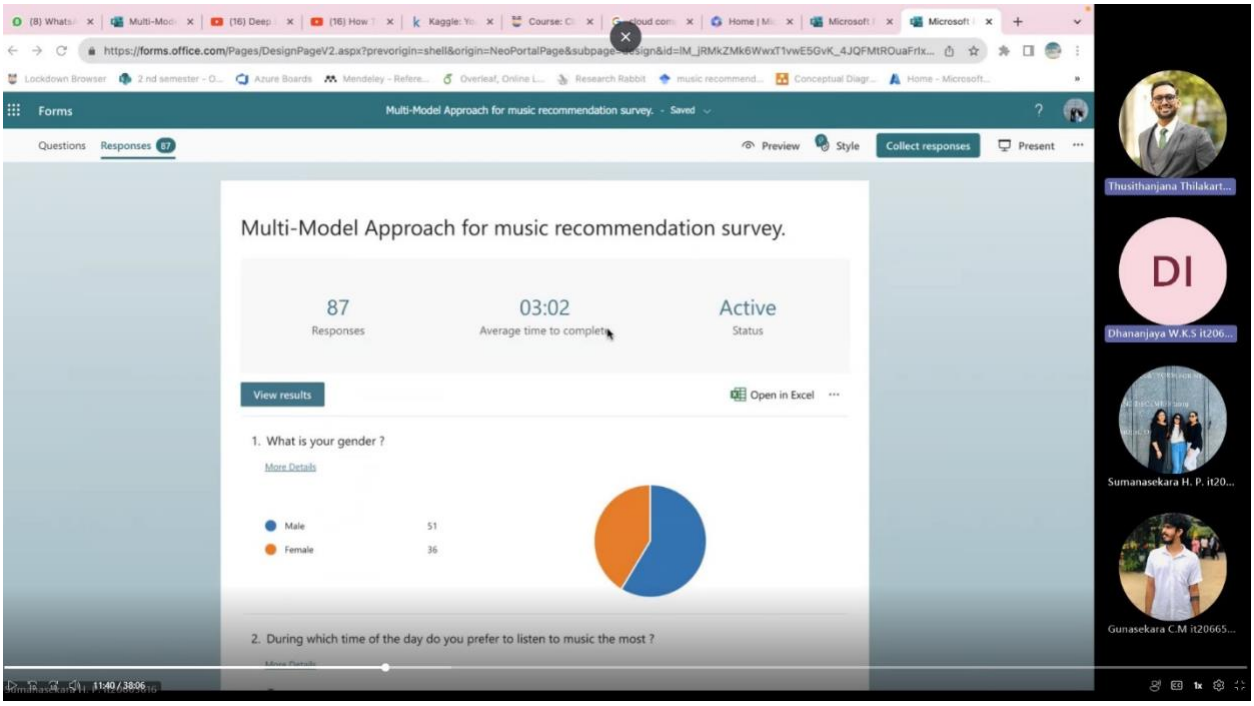



*Figure: meetings conducted through teams*

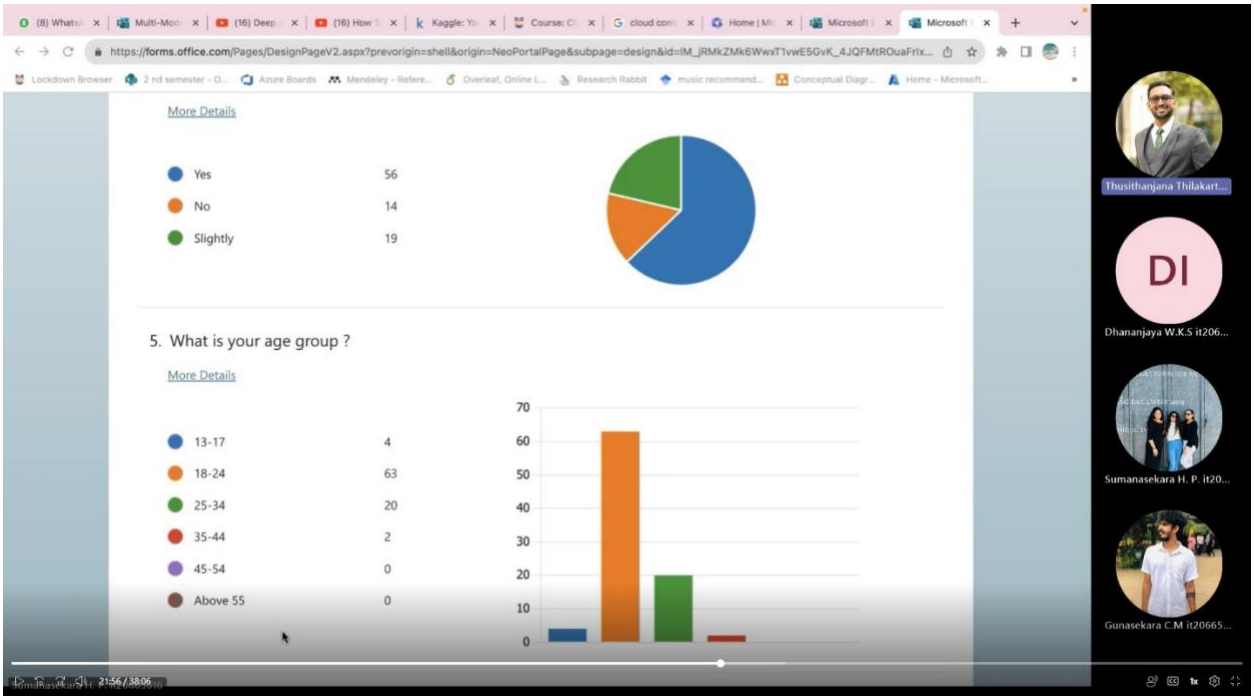



*Figure: meetings conducted through teams*


*Figure : **whatsapp chat***

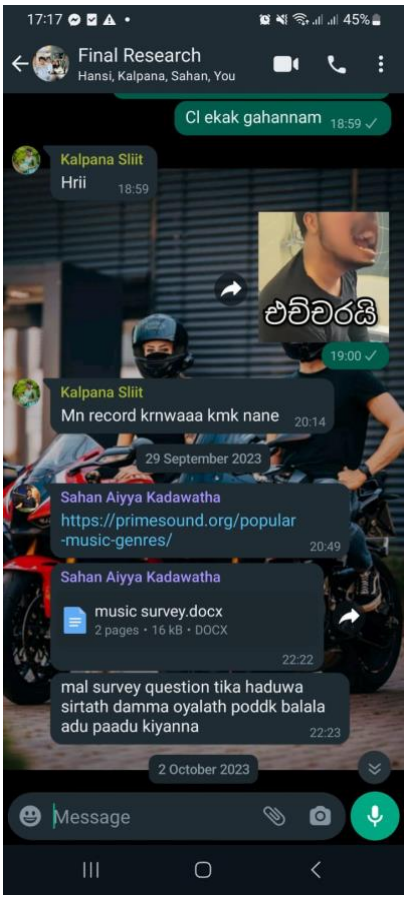



*Figure : **whatsapp chat***

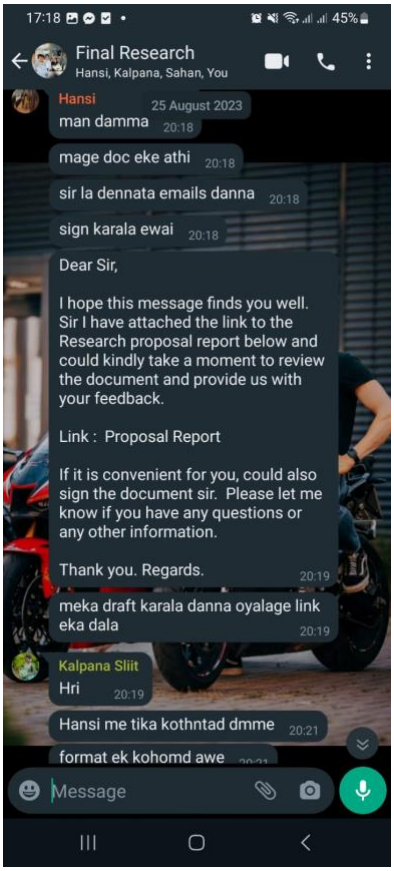
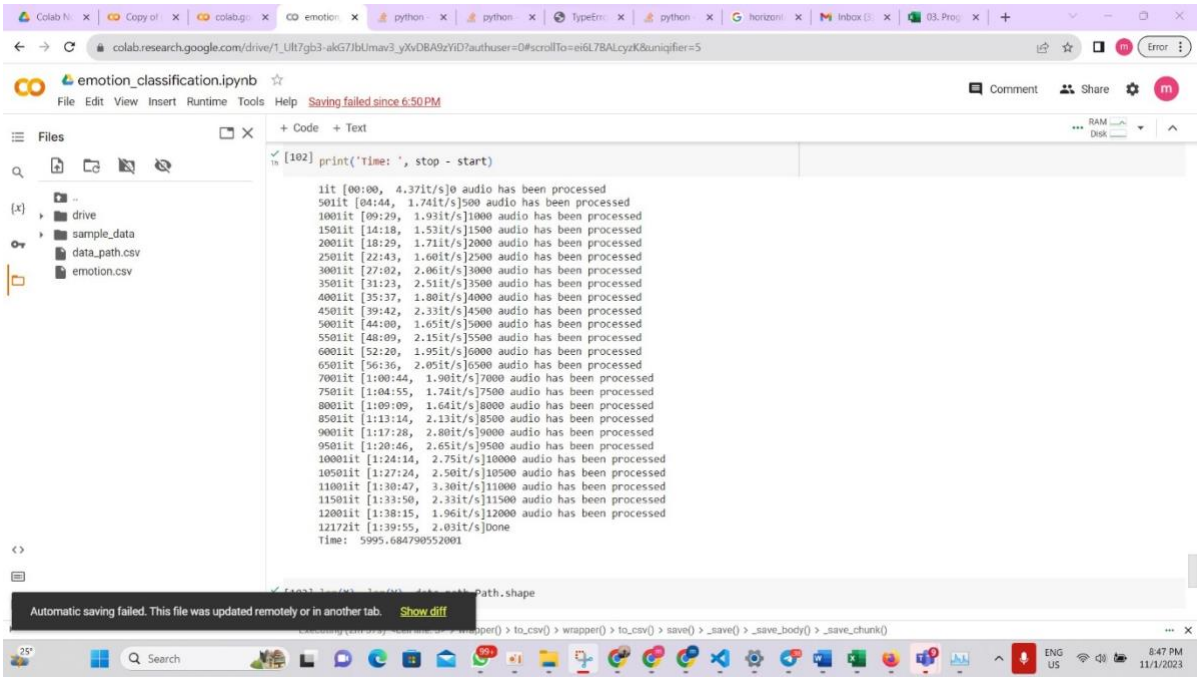



*Figure : **whatsapp chat***

## 2.Sample works




**Data preparation**

```
[ ]  #taking all rows and all cols without last col for X which include features
     #taking last col for Y, which include the emotions


     X = Emotions.iloc[: ,:-1].values
     Y = Emotions['Emotions'].values
```

```
[ ]  # As this is a multiclass classification problem onehotencoding our Y
     from sklearn.preprocessing import StandardScaler, OneHotEncoder
     encoder = OneHotEncoder()
     Y = encoder.fit_transform(np.array(Y).reshape(-1,1)).toarray()
```

```
[ ]  print(Y.shape)
     X.shape
```

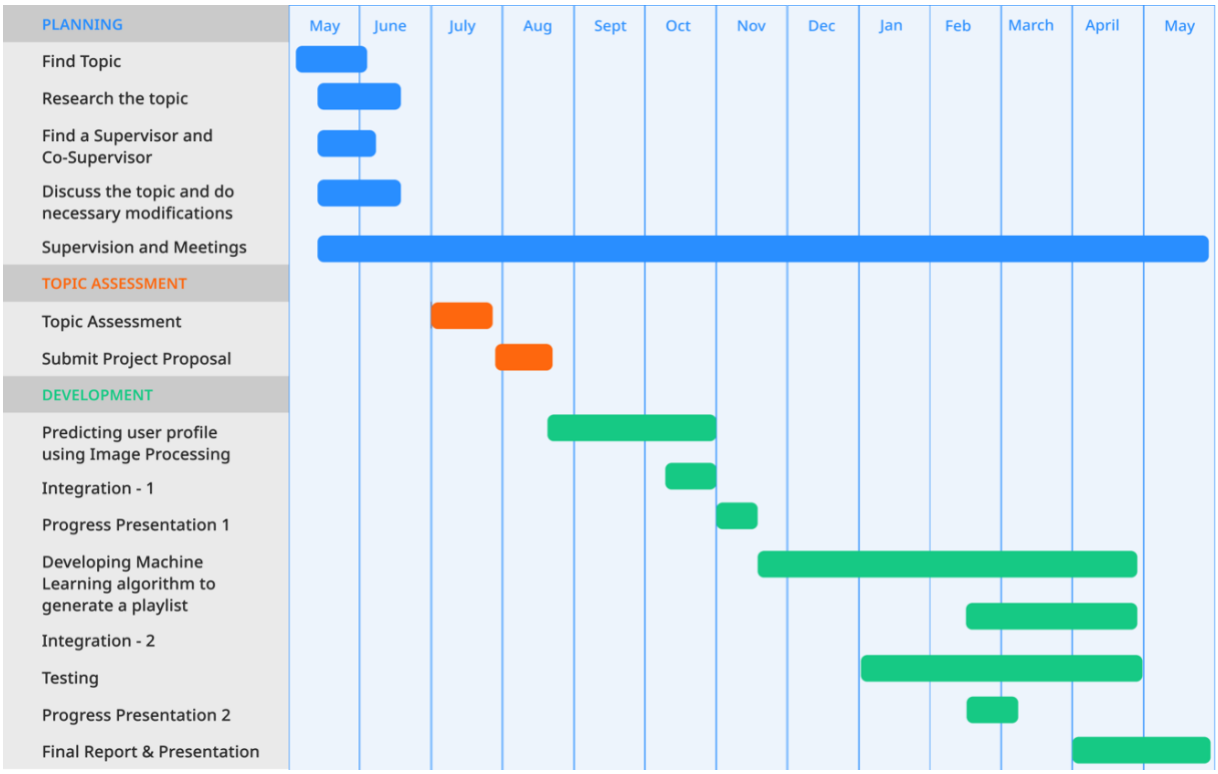
```
[ ]  from sklearn.model_selection import train_test_split

     x_train, x_test, y_train, y_test = train_test_split(X, Y, random_state=42,test_size=0.2, shuffle=True)
     x_train.shape, y_train.shape, x_test.shape, y_test.shape
```

```
[ ]  #reshape for lstm
     X_train = x_train.reshape(x_train.shape[0] , x_train.shape[1] , 1)
     X_test = x_test.reshape(x_test.shape[0] , x_test.shape[1] , 1)
```

```
[ ]  # scaling our data with sklearn's Standard scaler
     scaler = StandardScaler()
     x_train = scaler.fit_transform(x_train)
     x_test = scaler.transform(x_test)
     x_train.shape, y_train.shape, x_test.shape, y_test.shape
```

## 3.Grantt chart



## Work breakdown chart