



## TASK 2

### MULTI-LABEL EMOTION DETECTION

#### DATASET PREPROCESSING STEPS.

- 1-LOAD DATASET AND TEXT CLEANING,HANDLING ERROS
- 2-LOAD MODULES.

#### MODEL SELECTION AND RATIONALE.

- 1-USED TRANSFORMERS AND TORCH
- 2-IMPLEMENT BERT ON HIGH SCALE

#### CHALLENGES FACED

- 1-FIRSTLY,ITS TAKE TOO MUCH TIME FOR EARLY STOPPING ON EPOCHS
- 2-visualization results

#### SOLUTION

- 1-TO DIVIDE PROBLEM INTO STEP BY STEP BUT TIME-TAKING
- 2-TAKE A SAMPLES IN DATASET TO HIGHER SPEED OF LOADING DATASETS

#### RESULTS WITH VISUALIZE

- 1-RESULTS OF DIFFERENT MODELS

**Micro F1 Score: 0.1736**

**Macro F1 Score: 0.1607**

**Hamming Loss: 0.2049**

