# Assignment 1: Hugging Face Project

Project related to Sustainable Development Goals (SDG):

Using Hugging Face's pretrained models, we will implement a project aimed at predicting sentiment in text data, contributing to responsible consumption and production (SDG 12).

We will use a BERT-based model for sentiment analysis to understand consumer sentiment towards sustainable products.

## Research and Setup

Research the Hugging Face Transformers library to identify the best models for sentiment analysis.

Select the 'bert-base-uncased' model from Hugging Face's model hub.

## Loading the Model

Load the BERT model and prepare the dataset for sentiment analysis.

## Evaluation

Evaluate the model's performance before and after fine-tuning using metrics such as accuracy and F1-score.

# Assignment 2: Finetuning Large Language Models

Project related to Sustainable Development Goals (SDG):

We will fine-tune a large language model to perform sentiment analysis on a dataset of consumer reviews, aligning with SDG 12 for responsible consumption and production.

## Model Selection

Choose a pre-trained model such as 'distilbert-base-uncased' from Hugging Face.

## Finetuning Process

Finetune the model on the consumer reviews dataset.

## Evaluation

Evaluate the model's performance before and after fine-tuning using appropriate metrics.