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Business case

Name:	Jasmeet Singh
Community & UN SDG(s):	Individual participation/Serving a context Community: Individuals seeking to understand and manage their own emotions for personal well-being. Family members and friends wanting to support their loved ones in emotional struggles. **UN SGDs: 3 & 4**
Date:	October 23, 2023

Proposed Project	EmoDetect
Date Produced	October 15, 2023
Background	The ongoing Human Emotion Detection project aims to increase emotional awareness and well-being for individuals. By accurately identifying emotions, this project aims to empower users to better understand and manage their feelings, aligning with the goal of ensuring good health and well-being (SDG-3). Additionally, the project serves as a resource for families and friends, fostering empathy and support for their loved ones' emotional struggles, in line with the objectives of Quality Education (SDG-4).
Business Need/ Opportunity	This project aims to create a user-friendly application for accurately identifying and managing six different types of emotions: anger, fear, happiness, neutrality, sadness, and surprise. Additionally, the app offers personalized recommendations, including meditation practices and nearby dining options, to help users enhance their emotional well-being. This approach aims to empower individuals to proactively improve their mental health and emotional resilience across a spectrum of emotions.
Options	1. Create a web application that has a user-friendly design which allows the users to detect their emotions. Based on the emotion detected the application will give personalized recommendations such as meditation practices and nearby dining options to help with the user's well-being. 2. Create a web application with the existing AI model from my previous class ENSE 480 and do not have the personalized recommendations. 3. Do Nothing.
Cost-Benefit Analysis	

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1. A full feature website

COST	BENEFITS
• A heavy program that might require more time to develop • Will require to learn flask for web application deployment	• A full developed website for this course's project • Exposure to flask will help in the capstone project • Implementation of flask will act as a simple hosting option as flask is highly compatible with python

2. A partial feature website

COST	BENEFITS
• A heavy model that might need more implementation and tinkering for the scope of thee project • The project scope will be comprised • Not all deliverables will be met for the course's project	• Minimal time required to deploy the application as the model already exists • Will get through 50% of the project

3. Do Nothing

COST	BENEFITS
• Do not do anything	• Might get some credit for making documentation

Recommendation

Option 1 is recommended for this project