

## **Title: Developing a Slang Translator Tool for Enhanced Social Communication**

### **Context:**

As a neurodivergent individual and a digital creator working on various projects, I have experienced challenges with conventional forms of communication. Particularly in social settings, traditional language structures and academic English often do not reflect how people communicate in casual, everyday environments. For individuals who predominantly use slang or other non-standard linguistic forms, there is a disconnect between formal language instruction and their preferred mode of communication. This disconnect can create barriers to social inclusion and hinder mutual understanding. I aim to bridge this gap, especially for individuals who, like myself, find street talk and slang to be vital in social interactions.

### **Defining the Problem:**

The central issue is the lack of educational and communication tools that incorporate non-standard language forms like slang. Current educational platforms are designed with formal English in mind, ignoring the importance of slang and street talk in everyday communication, especially for individuals who use them as primary forms of expression. This can lead to feelings of exclusion and difficulty in learning or engaging with formal concepts presented in traditional language structures.

### **Objective:**

My goal is to develop an accessible, machine-learning-driven "slang translator" tool that facilitates understanding and communication by translating between formal English and slang. This tool will be integrated into educational platforms and projects to cater to users who prefer informal language, making learning and social interactions more inclusive and accessible.

### **Components of the Solution:**

#### **1. Inclusivity and Guidelines:**

Develop guidelines for creating a communication environment where individuals who speak in slang or non-standard English feel included. This includes providing options to learn or engage with material in their preferred form of communication.

## **2. ML Techniques and Algorithms:**

Implement machine-learning techniques and algorithms that can analyze and accurately translate between formal English and various slang dialects, ensuring users can understand both forms of expression.

## **3. Graph Structure for Difficulty-Based Learning:**

Use graph structures to categorize slang terms based on difficulty and regional variations, allowing users to systematically learn slang forms and their formal equivalents.

## **4. PARA Structure Implementation:**

Apply the PARA (Projects, Areas, Resources, Archives) framework to keep the translation tool's database organized and accessible, ensuring that slang translations can be easily retrieved and updated.

## **5. Theoretical Framework:**

Build a theoretical framework grounded in sociolinguistics to validate the tool's educational impact. This framework will also focus on how this translation tool can enhance social communication for neurodivergent individuals and others who rely on slang for social engagement.

## **Outcome:**

The slang translator tool will enable users, especially those who are neurodivergent or prefer non-standard forms of communication, to engage in learning and social interactions more effectively. By translating between slang and formal English, the tool will break down communication barriers and create an inclusive space for mutual understanding. Furthermore, the tool will empower individuals to learn in their preferred language style, fostering better engagement in both educational and social contexts.

## **Pronouns Note:**

In this inclusive approach, I also assert my personal pronouns as "Spectral/Specter/Spectacle" and encourage others to use them in all interactions. This further promotes an environment where everyone can express themselves in the ways that best suit their identities and linguistic preferences.

This initiative aligns with the broader goal of fostering understanding and accessibility through personalized, user-driven communication tools.