

Title : EDD / D&D / Major Project Registration & Progress Review**FF No. 180**

Department: Computer Engineering	Academic Year: 2022-23
Semester : 06	Group No. : 10
Project Title: AI Therapist	
Project Area: Natural Language Processing	

Group Members Details:

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Project Synopsis

IMPORTANCE OF THE DECIDED PROJECT :-

According to the World Health Organization, there is a global shortage of health workers trained in mental health. Many mental health interventions do not reach those in need, with approximately 70% with no access to these services. Researchers are learning more about how therapy works by examining the language therapists use with clients. It could lead to more people getting better, and staying better. Here we propose an approach where AI can enhance therapy, thus bettering mental health. The system will detect the user's sentiments based on positive, negative and neutral expressions. Based on the expression the system will recommend video links. These links will help to treat their mental health with the help of their sentiments.

STEPS TO DO THE PROJECT/ METHODOLOGY :-

1. A model for sentiment detection and analysis of text-based speech will be built, which will take in user-inputs regarding their feelings, how their day went etc.
2. The model will output certain keywords depicting the current state of mind of the user.
3. This output would be input to the next model.
4. A recommendation system would be built, which will take in input from the previous model, process it and then recommend appropriate actions via suggesting video links which will aid the user to self-regulate his/her emotions.

TENTATIVE EXPECTED RESULTS FROM THE PROJECT :-

A model wherein we provide input about how our day went and our current mood, in text-based format. The AI therapist will then recommend videos/audio to help us feel better and overcome any anxiety or insecurity we feel, temporarily. We feel this would aid the individual and his journey in therapy become smooth via promotion of self-regulation of emotions.

Group No.	TY-CS-10		
Activity	Review Schedule	Progress Review Report submitted	Signature of Guide
Review 1	Mid Sem. Semester	No	
Review 2	End of Semester	No	

Progress Review Report:

Review No.: 1	Group No.: TY_10	Date:
Signature of Guide:		

Review No.: 2	Group No.:	Date:
Progress Review Report		
Signature of Guide:		