A CHATBOT FOR PSYCHIATRIC COUNSELLING IN MENTAL HEALTHCARE SERVICE BASED EMOTIONAL DIALOGUE ANALYSIS AND SENTENCE CORRECTION

This paper focus on emotion recognition and monitoring, conversation understanding on chat assistant, Those are the most pivotal technology of the conversational Service for psychiatric counselling. The paper presents a Chatbot for mental healthcare. The Chatbot assists Psychiatric counselling in dialogues. The service communicates with a user through dialogues and conducts psychiatric counselling. To understand the dialogues and recognize user's emotion, the service apply various emotional intelligence techniques: a multi-model recognition and from conversation content, intonation, and facial expression, an intellegent corresponding such as such as psychiatric case-based reasoning and long-term monitoring, and ethics judgement, etc. The techniques enable continuous observations of user's emotional changes sensitively. The method is a user-customized correspondence technology that communicates with users through speech-text-audio-visual representation based on the user's age gender classification and recognized emotions. The Chatbot collect and summarizes the dialogues of text, voice and video information to recognize user's emotions. Based on the information, the purpose of the service is to develop a personalized dialog systems that communicate emotionely with the user through text, voice and visual expression. For this we adopt following approaches. It is distributed into 3 parts :- understanding conversations, emotional recognition and expression for communication.

We use this concept in our project to understand the mental state of the person being quarantined. The user chats with the chatbot and through the messages from the user chatbot is able to understand the mental state through which the user is going. Thus it make susre the user is always having a positive mind. Wehen the user undergo any sorrows chatbot analyzes and take actions to fill user's mind with positiveness.