Title of the Project : Automated Depression Prediction using

NLP

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**ABSTRACT**

In today's fast-paced society, psychological health issues such as anxiety, depression, and stress have become prevalent among the general population. To address this problem, researchers have explored the use of machine learning algorithms to predict the likelihood of depression in individuals. As data sets related to depression become more abundant and machine learning technology advances, there is an opportunity to develop intelligent systems capable of identifying symptoms of depression in written material. By applying natural language processingand machine learning algorithms to analyze writtentext, such as social media posts, emails, and chat messages, researchers can potentially identify patterns and linguistic cues associated with depression. These patterns may include changes in word usage, tone, and sentiment. The dataset consists of text-based questions on this information channel. Machine learning Techniques are currently well suited for analysing the data and diagnosing the problem. The accuracy over the full attribute set and selected attribute set on various machine learning algorithms have been compared. In summary, while the potential for AI to aid in mental health diagnosis and treatment is exciting, it's important to proceed with care and consideration for the complexities of the field and the needs of patients.