**Machine Learning Approach**

Machine Learning – A branch of Artificial Intelligence (AI) where computers learn patterns from data and make predictions or decisions without being explicitly programmed with fixed rules.

The AI will be employing machine learning algorithm specifically designed for detecting trends in mental health issues early. These algorithms will be trained to ensure accuracy and reliability in various cases. The system will improve its accuracy over time, by learning from new data countless time. The ML algorithm we will be using will be Logistic Regression is supervised ML algorithm used to classification. It predicts the probability hence its output lies in between 0 and 1. Random Forest it can be used for both classification and regression kind of problem.