**PSYCHIATRIST PATIENT MONITORING**

**TEAM: 18**

**OBJECTIVE:**

Our main objective of project is to help identify the mental health in people by using PHQ-9 test by using AI methods .

**PROPOSAL:**

* Loss of pleasure?
* Depressed mood?
* Sleep disturbance?
* Low energy?;
* Appetite changes?
* Feeling of failure?
* Trouble in concentrating?
* Moving or speaking too slowly and restless?
* Suicidal thoughts or self harm??

Based on the 9 open ended questions it will evaluate the object’s mental status whether he/she suffering from sever depression, mild depression or not. This is the best and quickest method of screen patients for depression.

After getting answers from the people, we will

1. Train the unsupervised algorithm
2. Observe the clusters formed by algorithm
3. Draw conclusions based on clusters formed

Table

Description automatically generated

Table

Description automatically generated

**REFERENCE:**

1. [**https://journals.sagepub.com/doi/full/10.1177/1049732320924625**](https://journals.sagepub.com/doi/full/10.1177/1049732320924625)
2. [**https://bmcpsychiatry.biomedcentral.com/articles/10.1186/s12888-020-02719-5**](https://bmcpsychiatry.biomedcentral.com/articles/10.1186/s12888-020-02719-5)

**GIT HUB LINK:**

**https://github.com/AnanyaSamala/Psychiatrist-Patient-Monitoring**