**Group 06**

**Implementation Plan**

**Mindmate**

**Week 1:**

* Set up development environment.
* Configure VS Code and GitHub repository.
* Create basic project structure.

**Week 2-3:**

* Research mental health resources.
* Ontology.

**Week 4:**

* Optimize chatbot Algorithms.

**Week 5:**

* Design UI components (chat, input, results).
* Design chatbot logic for symptoms and diagnosis.
* Add user authentication.

**Week 6:**

* Develop frontend.

**Week 7-8:**

* Data preprocessing.
* Features extraction.
* Building machine models for classification and regression.

**Week 9-10:**

* Develop backend in python.
* Integrate backend with frontend.

**Week 11:**

* Integrate Ontology.

**Week 12:**

* Integrate NLP libraries for user input.
* Develop psychiatrist recommendation system.
* Integrate real-time data APIs

**Week 13-14:**

* Sentimental Analysis.
* Entity recognition

**Week 15:**

* Develop psychiatrist recommendation system.
* Optimize application performance.
* Conduct security testing.

**Week 16:**

* Monitor user engagement.
* Monitor system performance.
* Implement minor feature updates.