Project Design Phase-I
Proposed Solution
Template

Date	08 November 2023
Team ID	592207
Project Name	Predicting Mental Health Illness of Working Professionals Using Machine Learning
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Develop a mental health prediction system that can accurately and reliably predict whether a person needs to seek mental health treatment or not, based on inputs provided by them. The system should be easy to use and accessible to people from all backgrounds. It should also be designed in a way that is ethical and respectful of people's privacy.
2.	Idea / Solution description	Our proposed solution is a machine learning-powered mental health prediction system that aims to identify individuals at risk for developing mental health issues. The system will collect data from various sources, including self-reported questionnaires, social media interactions, and environmental factors, to analyze patterns and predict a person's mental health trajectory.
3.	Novelty / Uniqueness	Our solution stands out from existing mental health assessment tools by employing a comprehensive approach that considers multiple data sources and utilizes advanced machine learning algorithms. This approach enhances the accuracy and reliability of our risk predictions, allowing for early intervention and preventive measures.
4.	Social Impact / Customer Satisfaction	The potential social impact of our solution is immense, as it has the power to transform the way we address mental health issues. By enabling early detection and intervention, we can significantly improve the lives of individuals struggling with mental health challenges, reducing their suffering and improving their overall well-being.

5.	Business Model (Revenue Model)	To monetize our solution, we plan to offer two primary services: Mental Health Assessment: We will provide a subscription-based service that allows individuals, employers, and healthcare providers to access our mental health assessment tool. Risk Assessment Consulting: We will offer consulting services to organizations that want to implement our mental health assessment tool within their workforce and receive personalized recommendations for improving employee well-being.
6.	Scalability of the Solution	Our solution is designed to be scalable, capable of handling large volumes of data and accommodating a growing user base. We will leverage cloud-based infrastructure and distributed computing techniques to ensure the system can efficiently handle the increasing demand for our services.