Project Design Phase-I
Proposed Solution Template

Date	23 October 2022
Team ID	Team-592795
Project Name	Project - Predicting Mental Health Illness of Working Professionals Using Machine Learning
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Develop a machine learning model to predict potential mental health issues among working professionals based on relevant features such as workload, job satisfaction, work-life balance, and personal well-being indicators. The aim is to provide early intervention and support for individuals at risk, ultimately promoting a healthier and more productive workforce.
2.	Idea / Solution description	Create a machine learning system that analyzes data from working professionals, considering factors like workload, job satisfaction, work-life balance, and personal well-being. The system will learn patterns and signals indicative of potential mental health issues. When applied to new data, it will provide an early warning system, allowing for timely intervention and support to improve overall mental well-being in the workplace
3.	Novelty / Uniqueness	Utilize Natural Language Processing (NLP) and Speech Emotion Recognition (SER) techniques to analyze written communication and spoken interactions within the workplace. This can help detect emotional distress, frustration, or anxiety from emails, chat messages, and recorded meetings.
4.	Social Impact / Customer Satisfaction	By accurately predicting mental health concerns in working professionals, our machine learning solution aims to foster a healthier and more supportive work environment. This will lead to improved well-being, reduced absenteeism, and higher job satisfaction among employees. Ultimately, it will contribute to a more productive and socially responsible workplace, positively impacting the overall community and society at large.
5.	Business Model (Revenue Model)	We propose a subscription-based model for organizations to access our mental health prediction platform. They will pay a monthly fee based on the number of employees covered. Additionally, we may offer premium features such

		as personalized well-being plans and in-depth analytics for an additional cost. This model ensures a sustainable revenue stream while keeping the service accessible to a wide range of businesses, regardless of their size
6.	Scalability of the Solution	Our solution is designed to grow with your organization. Whether you have a small team or a large workforce, our machine learning model can handle the data and predictions efficiently. As your company expands, our platform can easily accommodate the increased workload without sacrificing performance. This means you can rely on our solution to support your mental health initiatives as your business scales