

Project Design Phase-I
Proposed Solution Template

Date	12 november 2023
Team ID	591754
Project Name	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)	Mental health illness is a growing concern among working professionals. According to the World Health Organization (WHO), depression is the leading cause of disability worldwide, and it is estimated that 1 in 4 people will experience mental health illness in their lifetime. Working professionals are particularly vulnerable to mental health problems due to the pressures of work, such as long hours, demanding workloads, and job insecurity.
2.	Idea / Solution description	A predictive mental health solution for working professionals utilizes machine learning algorithms to analyze vast amounts of data and identify patterns indicative of potential mental health concerns. This solution aims to provide early intervention and support to individuals at risk, fostering a proactive approach to mental well-being in the workplace.

3.	Novelty / Uniqueness	predicting mental health illness among working professionals requires a holistic approach that considers the unique interplay of workplace dynamics, individual differences, data diversity, and ethical considerations. Building models that account for these complexities enables more accurate predictions and facilitates the development of targeted interventions to support employee well-being.
4.	Social Impact / Customer Satisfaction	While the potential for positive social impact is significant, it is crucial to manage potential risks, such as privacy concerns and ethical considerations, to ensure that predictive models are implemented responsibly and with a focus on the well-being of individuals and society as a whole.

5.	Business Model (Revenue Model)	The specific revenue model for a predictive mental health business will depend on a number of factors, including the target market, the type of data used, and the technology used to develop the models. However, all revenue models should be based on a clear understanding of the value that the business can provide to its customers.
6.	Scalability of the Solution	In order to be scalable, a predictive mental health solution must be able to handle large amounts of data and process it efficiently. Additionally, the solution must be able to be deployed to a large number of users without compromising its accuracy or performance.