

Project Design Phase-I
Proposed Solution

Date	16 October 2023
Team ID	
Project Name	Depression: A Common Mental Disorder
Maximum Marks	2 Marks

Proposed Solution :

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

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	How might we use Business Intelligence tools, specifically Tableau, to analyze and visualize depression data from different countries, in order to gain insights that will help improve awareness, reduce stigma, enhance access to care, and advance research for the common mental disorder of depression?
2.	Idea / Solution description	Gather data of patients from different countries with mental disorders. After cleaning of the data create interactive visuals to provide precise insights into depression prevalence, demographics, and trends across the countries. Conduct comparative studies among the different countries, and give predictive analysis.
3.	Novelty / Uniqueness	This solution gives multidimensional view of depression. It integrates quantitative data, qualitative insights, geospatial information, and sentiment analysis to paint a detailed picture of the mental health landscape. The use of interactive Tableau dashboards makes complex data accessible to a broad audience. Users, including policymakers and the public, can explore and understand the data, enhancing transparency and engagement.

4.	Social Impact / Customer Satisfaction	It increases social awareness. The solution's data-driven approach can significantly increase awareness of depression as a common mental disorder. By presenting data and insights in an easily understandable format, it can educate the public about the prevalence, factors, and consequences of depression. By employing sentiment analysis on social media and tailoring awareness campaigns, the solution can contribute to reducing the stigma associated with depression. This has the potential to encourage individuals to seek help and support without fear of judgment. The solution's insights can inform healthcare policies and resource allocation, leading to improved access to care for those in need. This can result in faster diagnosis, more effective treatment, and ultimately better outcomes for individuals living with depression. By fostering partnerships with mental health organizations, research institutions, and non-profits, the solution can encourage global collaboration to address depression. This collective effort can lead to the development of more effective interventions and research initiatives.
5.	Business Model (Revenue Model)	Research collaborations:- Establish partnerships with research institutions, universities, and organizations. Offer access to the data and insights for research purposes, leading to research collaborations and grants.
6.	Scalability of the Solution	Scalability considerations encompass data infrastructure, performance, geographic reach, real-time capabilities, integration with third-party services, expanding user base, collaboration, data security and privacy, technical support, and the ability to monitor and evaluate impact. The solution's scalability is essential to effectively address depression on a global scale.