Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID54247
Project Name	Healthcare analytics
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	To Understand the User and the User's Problems: The first phase reviewed the characteristics of patients consulting psychological assistants to the general practitioner (PAGPs) with mental health or lifestyle problems in family medicine and on the current use of eHealth in the diagnosis and treatment of these patients. According to the literature scan, eHealth is used in family medicine to reach remote patients, to enhance user-friendliness, to improve the accessibility of care, and to stimulate patient' empowerment and independence of health care professionals. Patients from remote regions and patients who are less mobile or have a hearing disability can be reached relatively effortlessly via the internet.
2.	Idea / Solution description	To investigate the redesign process of an existing platform for ESM data collection for detailed functional analysis and disease management used by psychological assistants to the general practitioner (PAGPs) in family medicine. solution: Data visualization acquires the main takeaways in the health industry into focus, helps to identify patterns as well as correlations, and makes data analysis more relevant. For example, data visualizations include interactive infographic dashboards, bar charts, pie charts, heat maps, and histograms, all of which have their particular uses to represent ideas and data.
3.	Novelty / Uniqueness	The most noticeable impact of the technology is being observed in the field of healthcare. Data analytics solutions in healthcare can reduce treatment costs, outbreak prediction, prevention of avoidable diseases, and improve healthcare services as a whole. Big Data Analytics can provide insight into clinical data and thus facilitate informed decision-making about the diagnosis and treatment of patients, prevention of diseases or others. Big Data Analytics can also improve the efficiency of healthcare organizations by realizing the data potential.
4.	Social Impact / Customer Satisfaction	Social Impact : Research has highlighted the impact on psychological well-being of the most exposed groups, including children, college students, and health workers, who are more likely to develop post-traumatic stress disorder, anxiety, depression, and other symptoms of distress. These tools present benefits that could improve psychological treatment of patients online, such as the possibility to meet from home or from the workplace, saving money and time and maintaining the relationship between therapists and patients. The aim of this paper is to show empirical data from recent studies on the effect of the pandemic and reflect on possible interventions based on technological tools. Customer satisfaction : The purpose of this study was to determine patient satisfaction with healthcare services and encompass the physician's

		behaviour as moderation between patient satisfaction and healthcare services. The study seeks to measure the health care services, like a laboratory and diagnostic care, preventive healthcare and prenatal care, to patient satisfaction in the public health sectors. The main results of the regression analysis validate that health care services, such as laboratory and diagnostic care, preventive healthcare, and prenatal care, have a significant and positive effect on patient satisfaction.
5.	Business Model (Revenue Model)	The move from fee-for-service to pay-for-performance has changed the business of healthcare from provider- and payer-centric to patient-centric. For hospitals to succeed in this new era, they need to change the way they think about the patient experience. Creating proactive, responsive payment options based on each patient's unique financial situation not only improves the patient financial experience, it significantly improves a provider's ability to collect faster, easier and with less effort. Patients benefit by being able to get the care they need when they need it, and providers benefit through reduced collection costs, improved revenue, and more stable long-term financial viability.
6.	Scalability of the Solution	Data visualization acquires the main takeaways in the health industry into focus, helps to identify patterns as well as correlations, and makes data analysis more relevant. For example, data visualizations include interactive infographic dashboards, bar charts, pie charts, heat maps, and histograms, all of which have their particular uses to represent ideas and data.