

Project Design Phase-I
Proposed Solution Template

Date	09 November 2022
Team ID	PNT2022TMID32523
Project Name	Project - Analytics for hospital healthcare data
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Health care industry desires to clarify the patients using their pathology data for their care management improvement that facilities to build a multi-classification to build care management model with right classification of patient . Descriptive analysis, which examines and describes something that's already happened. Diagnostic analysis, which seeks to understand the cause of an event. Predictive analysis, which explores historical data, past trends, and assumptions to answer questions about the future.
2.	Idea / Solution description	When health providers have access to a patient's up-to-date health data, they can provide more efficient, higher quality, safer and more personalised care and care coordination. Patients looking at their own health data gain insight into how their health is evolving over time.
3.	Novelty / Uniqueness	One of the main benefits of data analytics from a healthcare facility's point of view is that it enables them to improve their operations, make their processes more efficient, and lower their costs.

4.	Social Impact / Customer Satisfaction	<p>Right care: Data can improve outcomes, reducing medical errors. Application of big data tools will facilitate evidence-based care that is personalized to the specific patient. Right provider: Proven outcomes for patients to receive the best medical care based on data that helps us better match the provider's skill set with the needs of the patient and allow assessment of specific providers.</p> <p>Right value: Cost-objective healthcare through different methods, such as patient-outcome reimbursement and eliminating fraud, waste, and abuse in the system utilizing big data .</p>
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		<p>Right innovation: Innovators will be able to address all aspects of therapeutic innovation discovery, development, and safety utilizing data from past trials as well as analyzing trends from current data.</p>
5.	Business Model (Revenue Model)	<p>Business analytics is playing a huge role in helping companies taking informed decisions, within different therapeutical areas, markets, and regions to reach up to decisions within the stipulated time frame, and get exposed to real-world insights from competitors, payers, regulators, patients, etc.</p>
6.	Scalability of the Solution	<p>Scalability is the ability of a health intervention shown to be efficacious on a small scale and/or under controlled conditions to be expanded under real world conditions to reach a greater proportion of the eligible population, while retaining effectiveness.</p>