Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	28 October 2022
Team ID	PNT2022TMID32341
Project name	Analytics For Hospitals -Healthcare Data
Maximum Marks	4 marks

Functional Requirements:

Following are the functional requirements of the proposed solution:

Fr.no	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
01	Collect data	Data from various sources are collected using different methods in order to provide optimized results.
02	Data cleaning and wrangling	When combining multiple data sources, there are many opportunities for data to be duplicated or mislabeled hence we cleanse the data.
03	Creating data model	The process of analyzing and defining all the data, as well as the relationships between those bits of data comes under this.
04	Prediction and analysis	The hidden trends are analyzed and the final results are predicted using machine learning and AI algorithms.

Non-Functional requirements:

Following are the non - functional requirements of the proposed solution:

Fr.no	Non-functional requirement	Description
01	Usability	The project must be easy to use. The user needs to have a good experience while working with the interface.
02	Security	Every user can access the website only if they posses the password. The database is secured with encryption techniques which provides high levels of security
03	Reliability	The project must have minimal degree of failure under normal usage and how often does the user get access to this work
04	Performance	The project must respond quickly to the user's actions or even if the user has to wait the waiting period must be short.
05	Availability	The project is platform independent. It runs perfectly on almost every platform.
06	Scalability	The project allows multiple users to handle the data at the same time. It is highly scalable since adding features and making advancements in the website is uncomplicated.