Analytics for Hospital Health Data

Proposed Solution

Date	24th September 2022
Team ID	**PNT2022TMID37684**
Project Name	Analytics for Hospital Health Data

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To Predict the Length of the stay for each patient on case by case basis so that the hospital can use the information for optimal resource allocation and better functioning.
2.	Idea / Solution description	To create a dashboard for monitoring the length of stay of patients and also include the necessary data which were provided by the hospital to create an effective virtual dashboard using Cognos analytics.
3.	Novelty / Uniqueness	By Using Data Visualization techniques, the dashboard supports clinicians and hospital managers in viewing and exploring data on processes and outcomes of care in an interactive manner.
4.	Social Impact / Customer Satisfaction	The hospitals can use this dashboard to view their daily hospital records and they can update the given inputs and get the expected output effectively.
5.	Business Model (Revenue Model)	While using this dashboard the hospitals can easily get regular updates on the patients and this was widely applicable in all departments of the hospitals. The Hospital staff can easily login into the dashboard and view the risk rate of the patients according to the length of stay in the hospital and can give proper treatment according to that.
6.	Scalability of the Solution	The scalability of this project was a. The hospitals can view the length of stay of the patient case by case basis b. The patient id, department name, other hospital-related details, etc. c. It also helped to visualize an interactive dashboard efficiently.