

Estimation and Prediction of Hospitalization and Medical Care Costs

Proposed Solution

Date	03 May 2023
Team ID	NM2023TMID05108
Project Name	Estimation and Prediction of Hospitalization and Medical Care Costs
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Medical costs are one of the most common recurring expenses in a person's life. Based on different research studies, BMI, ageing, smoking, and other factors are all related to greater personal medical care costs. The estimates of the expenditures Care Costs of health care related to obesity are needed to help create cost-effective obesity prevention strategies. Obesity prevention at a young age is a top concern in global health, clinical practice, and public health.
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	<p>The scalability of this project was</p> <ol style="list-style-type: none"> The hospitals can view the length of stay of the patient case by case basis The patient id, department name, other hospital-related details, etc. It also helped to visualize an interactive dashboard efficiently.