ANALYTICS FOR HOSPITAL HEALTH CARE DATA

Activity 3.1

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S.No	Parameter	Description
1.	Problem Statement	Heart diseases are the most common cause of death. Early detection of cardiac diseases and continuous supervision of doctors can reduce the mortality rate. It is not possible to monitor patients for 24 hours by a doctor. So we need a model for heart disease prediction through data wearable sensors like smart watches, etc.
2, .	Idea / Solution description	Predicting heart diseases using the health data of patients from wearable sensors and highlighting the attributes which might lead to heart disease so that the patient can be aware of the risks.
3.	Novelty / Uniqueness	• Real Time health monitoring. • Instant alert on health problems. • Analyzing the sensor data, Instead of lab testing data. • Predicting the likelihood of patients getting a heart attack.
4.	Social Impact / Customer satisfaction	As the real time data are collected by the wearables so the customers can easily use the wearables all time .From the predictive data model the health care data about the heart of the customer is monitored closely and it is reported to the dashboard which is easily accessible by that customer.
5.	Business Model	**Customer selection:** • Sports/Athletes • Eldery • Youth • Travel/Adventure **Value proposition:** Intelligent alert system fall prediction, medicine reminder, dietary remainders, motion detection, Instant information retrieval.
6.	Scalability of the Solution	Prediction is possible if the user has wearable devices like a smartwatch or a smartphone.