ANALYTICS FOR HOSPITALS' HEALTH CARE DATA

LITERATURE SURVEY

SUBMITTED BY

AMRISHA M	113219031010
GOPALAM MANISHA CHOWDARY	113219031046
JANARDHANEE M R	113219031057
KALAIMANI G	113219031066
SUSHMA R	113219031148

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING

TITLE	AUTHOR	ALGORITHM	ADVANTAGES	DISADVANTAGES
The Use of Big data analytics in Health care	Kornelia Batko and Andrzej Slezak	Data Analytics	Big Data Analytics in healthcare will allow to use new technologies both in treatment of patients and health management. Medical Centers will have a complete picture of their Activities, taking into account the clinical, management, financial and quality perspectives.	Medical enterprises still cannot keep up with the information needs of patients, clinicians, administrators and the creator's policy. The main challenge with Big Data is how to handle such a large amount of information and use it to make data-driven decisions in plenty of areas.
Big data analytics in health care: Promise and Potential	Viju Raghupathi and Wullianallur Raghupathi	Cluster analysis and Regression	The healthcare industry historically has generated large amounts of data, driven by record keeping, compliance & regulatory requirements, and patient care.While most data is stored in hard copy form, the current trend is toward rapid digitization of these large amounts of data.	As big data analytics becomes more mainstream, issues such as guaranteeing privacy, safeguarding security, establishing standards and governance, and continually improving the tools and technologies will garner attention.
Health care data analysis using evolutionary algorithm	A.suresh, R.Kumar, Varatharajan	k-Means Clustering,SVM, Naive bayes	Data mining is used and an assessment model for the health care analysis is developed with the preprocessing steps of performing data.	The analysis demonstrates that the planned perfect has accomplished a regular correctness of 98.79% of health care dataset.

| Data Visualisation in Health care | Ivan Dunskiy | Data analytics | Modern data visualization tools in healthcare convert complex data into user-friendly visuals that are easy to understand for its stakeholders, be they doctors, patients, or government officers.By visualizing real-time data on patient health status, doctors can define and group patients according to the treatment and attention they need.Also prevents practitioners from missing important information. | Visuals tend to increase our confidence, so it's possible for us to draw inaccurate conclusions from them. Much of the success with data visualization depends on how implement is done, and how it is used on a regular basis. If it's designed in an unsophisticated way, or if there's a flaw in how it operates, it might lead to inaccurate presentations. |