

## ADVANCED DATA MINING TECHNIQUES IN HEALTHCARE: BRIDGING AI AND BIG DATA

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### **ABSTRACT**

*The incorporation of big data analytics and artificial intelligence (AI) into mobile health (m-health) systems represents a significant breakthrough in contemporary healthcare. This project aims to research on how wearable sensors, IoT devices and mobile devices can be leveraged for improvising the m-health systems using AI & Big Data. Data preparation before analysis consists of cleaning, transformation and combining data. Health care specialists can leverage the power of big data technologies as Hadoop, and Spark or with contemporary machine learning algorithms to assist them in better decision making based on useful for different purposes information. The paper also provides a blueprint for the ideal way to embed big data and AI in m-health approach focused on apps, strategies and sources of knowledge so as better patient care while getting most out scarce resources.*

**KEYWORDS:** *Mobile Health, m-Health, Artificial Intelligence, Big Data Analytics, Data Cleaning, Data Integration*