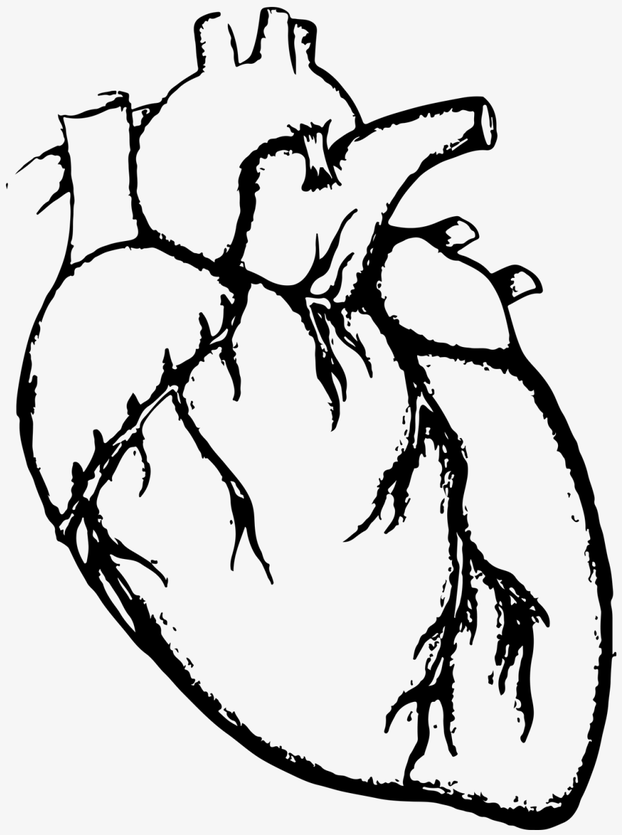

VISUALIZING AND PREDICTING HEART DISEASES WITH AN INTERACTIVE DASHBOARD

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Literature survey

PAPER 1

Armin Yazdani, Kasturi Dewi Varathan, Yin Kia Chiam,Asad Waqar Malik ,Wan Azman
Wan Ahmad ,BMC Medical Informatics and Decision Making volume 21, Article number: 194 (2021)

This paper is motivated by the gap in the literature, thus proposes an algorithm that
measures the strength of the significant features that contribute to heart disease prediction.

The study is aimed at predicting heart disease based on the scores of significant features
using Weighted Associative Rule Mining.

Literature survey

PAPER 2

Harshit Jindal, Sarthak Agrawal, Rishabh Khera, Rachna Jain and Preeti NagraPublished under licence by IOP Publishing Ltd
IOP Conference Series: Materials Science and Engineering, Volume 1022, 1st International Conference on Computational Research and Data Analytics (ICCRDA 2020) 24th October 2020, Rajpura, India Citation Harshit Jindal et al 2021 IOP Conf. Ser.: Mater. Sci.
Eng. 1022 012072

We prepared a heart disease prediction system to predict whether the patient is likely to be diagnosed with a heart disease or not using the medical history of the patient.

The strength of the proposed model was quiet satisfying and was able to predict evidence of having a heart disease in a particular individual by using KNN and Logistic Regression which showed a good accuracy in comparison to the previously used classifier such as naive bayes etc.

Literature survey

PAPER 3

Rohit Bharti,Aditya Khamparia,Mohammad Shabaz,Gaurav Dhiman,Sagar Pande and Parneet Singh

Volume 2021 | Article ID 8387680 |
https://doi.org/10.1155/2021/8387680

They can use different machine learning and deep learning models to diagnose the disease and classify or predict the results. A complete genomic data analysis can easily be done using machine learning models. Models can be trained for knowledge pandemic predictions and also medical records can be transformed and analyzed more deeply for better predictions.

Literature survey

PAPER 4

Proceedings of the International Conference on Innovative Computing & Communication
(ICICC) 2021 Rati Goel Inderprastha Engineering College Date Written: July 12, 2021

This paper can predict this disease by using various attributes in the data set. They have
collected a data set consists of 13 elements and 383 individual value to analyze the
patients performance.

The main aim of the paper is to get a better accuracy to detect the heart disease using
ML algorithm.

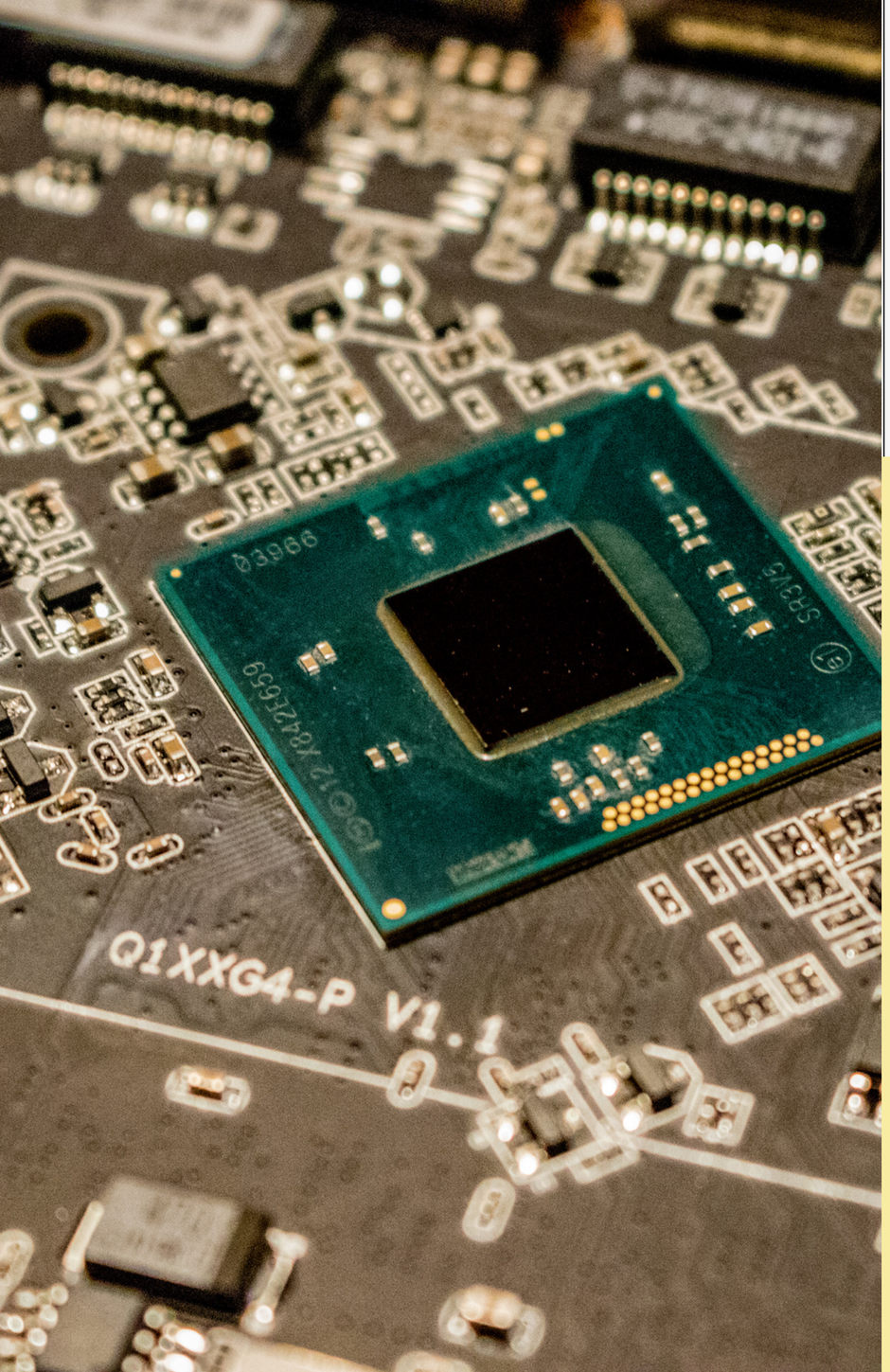
SOFTWARE REQUIREMENTS

01 Technology Used : Machine Learning

02 Language Used :Python

03 Tool :IBM Cognos Analytics

04 Platform : Jupyter Notebook



HARDWARE REQUIREMENTS

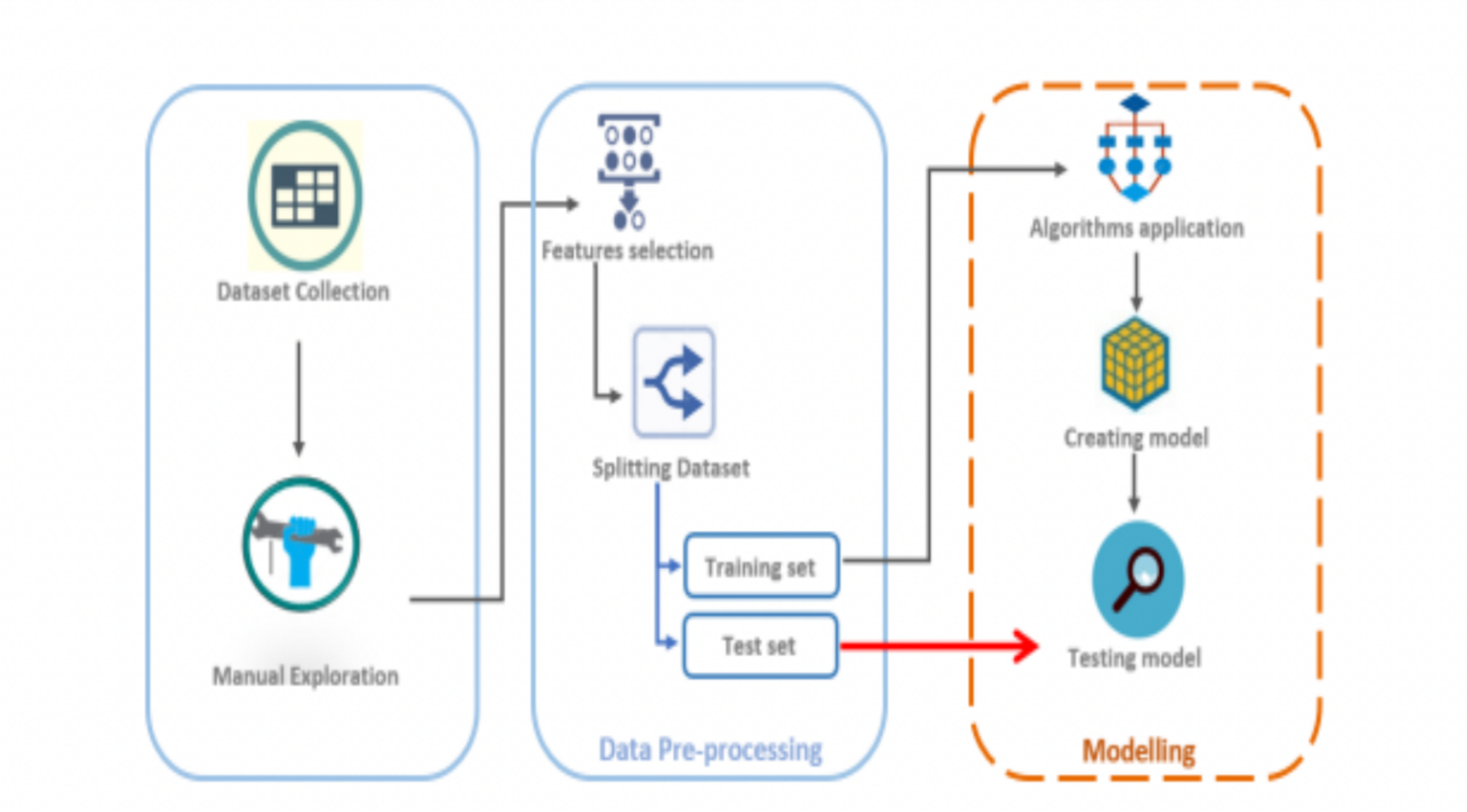
01 Hard Disk Drive : 250 GB

02 Processor : Intel core i3

03 Ram: 2GB

04 Operating System : Windows 7

ARCHITECTURE DIAGRAM



Thank you!