



# PFuzeSangLuis

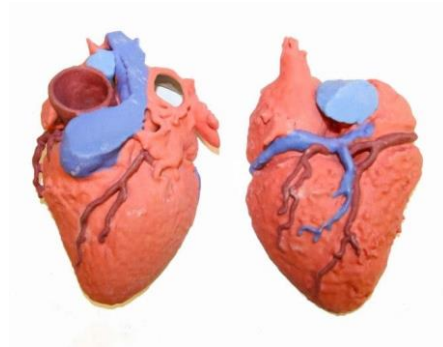
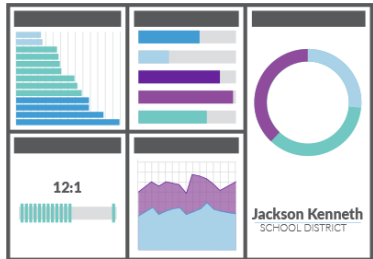
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Group 1

# Dashboard for Monitoring and Signaling Elder's Heart Disease



# Project Description



Dashboard for Monitoring and Signaling Elder's Heart Disease is a tool used for display important information about elder's activities and heart disease risk.

Using data visualization, dashboard uniquely communicate metrics visually to help users understand complex relationships in elder's activities data.

Machine learning is used to measure elder's heart disease risk, send this information to display on the dashboard.

# Get requirement

Who are stakeholders?

- Ans > **Hospital, Organizations, and Families**

Who are users?

- Ans > **Doctors , Organizations , Elders, and Families**

What is your goal?

- Ans > **To identify elder's heart disease before it happen**

What is the input to your system?

- Ans > **Behavior data, sensor data and medical inspection result**

What is the output of your system?

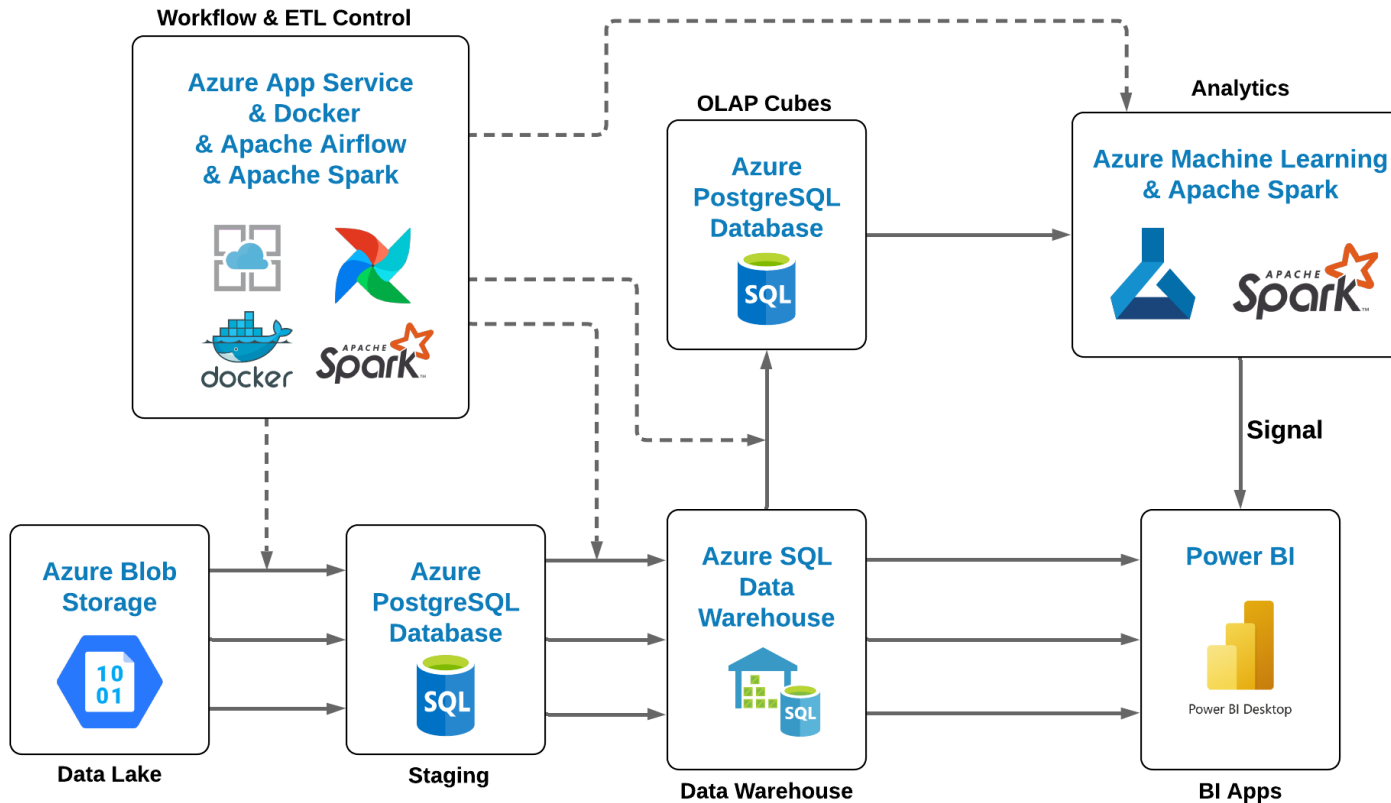
- Ans > **Dashboard and Signal**

What technologies do you need to achieve your goal?

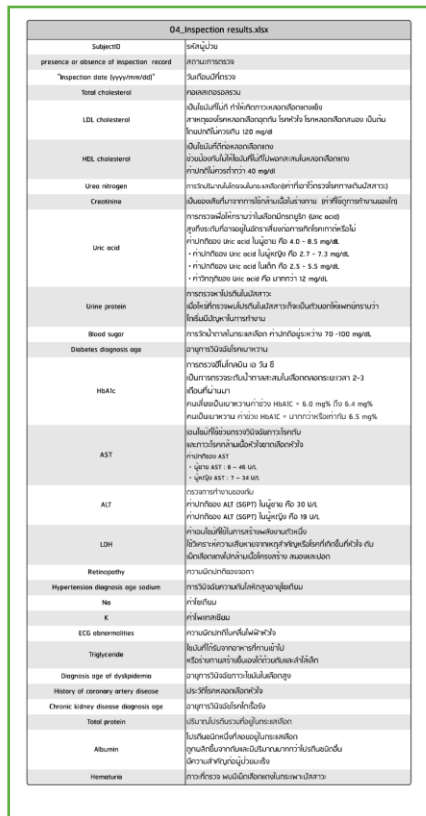
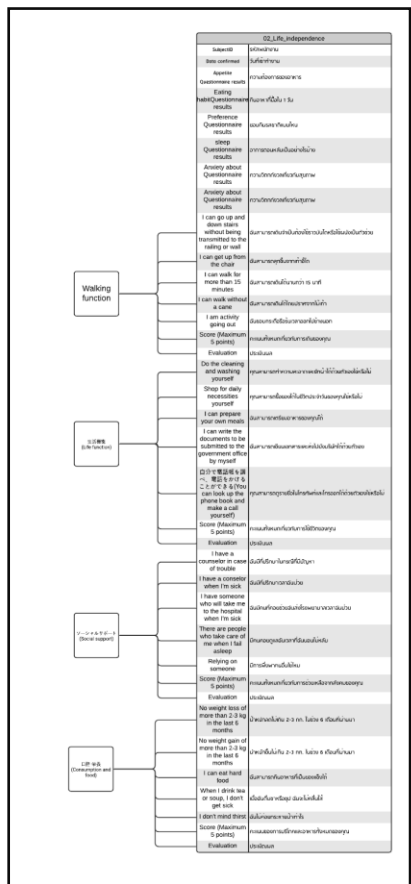
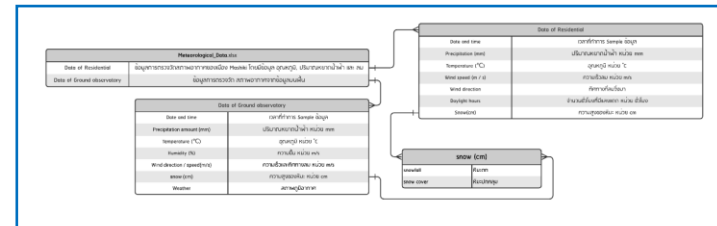
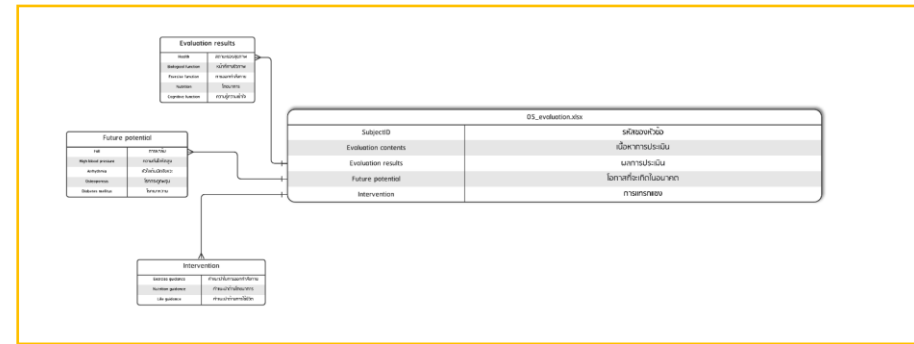
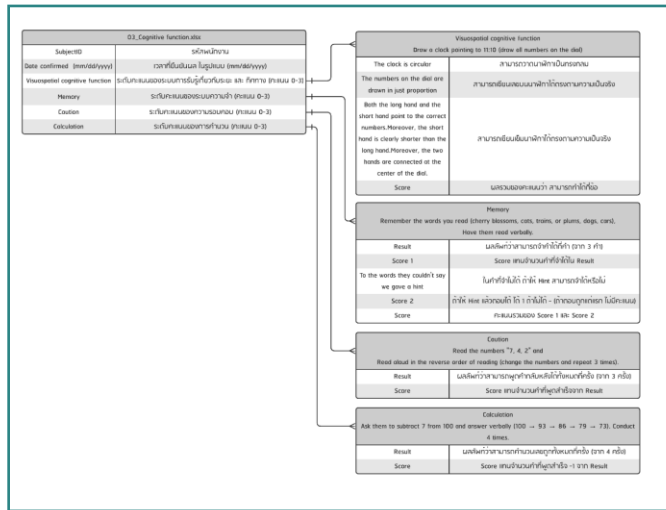
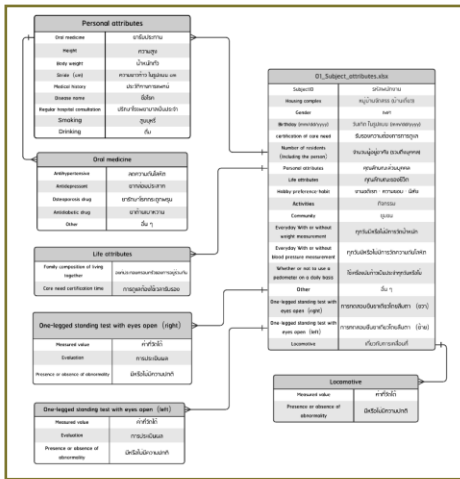
- Ans > **Big data and Machine learning**

# Conceptual Design

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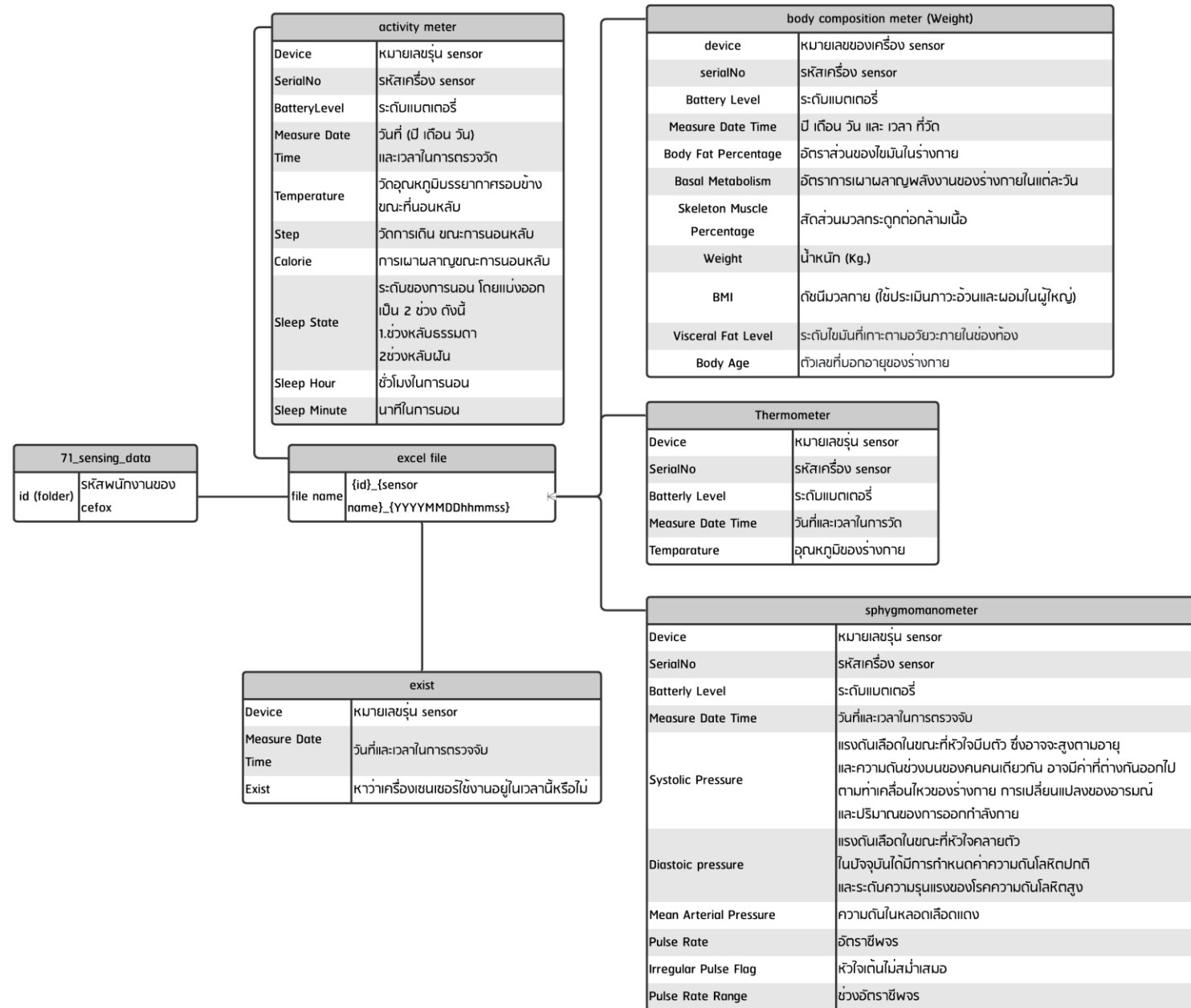


# Data Pipeline Design

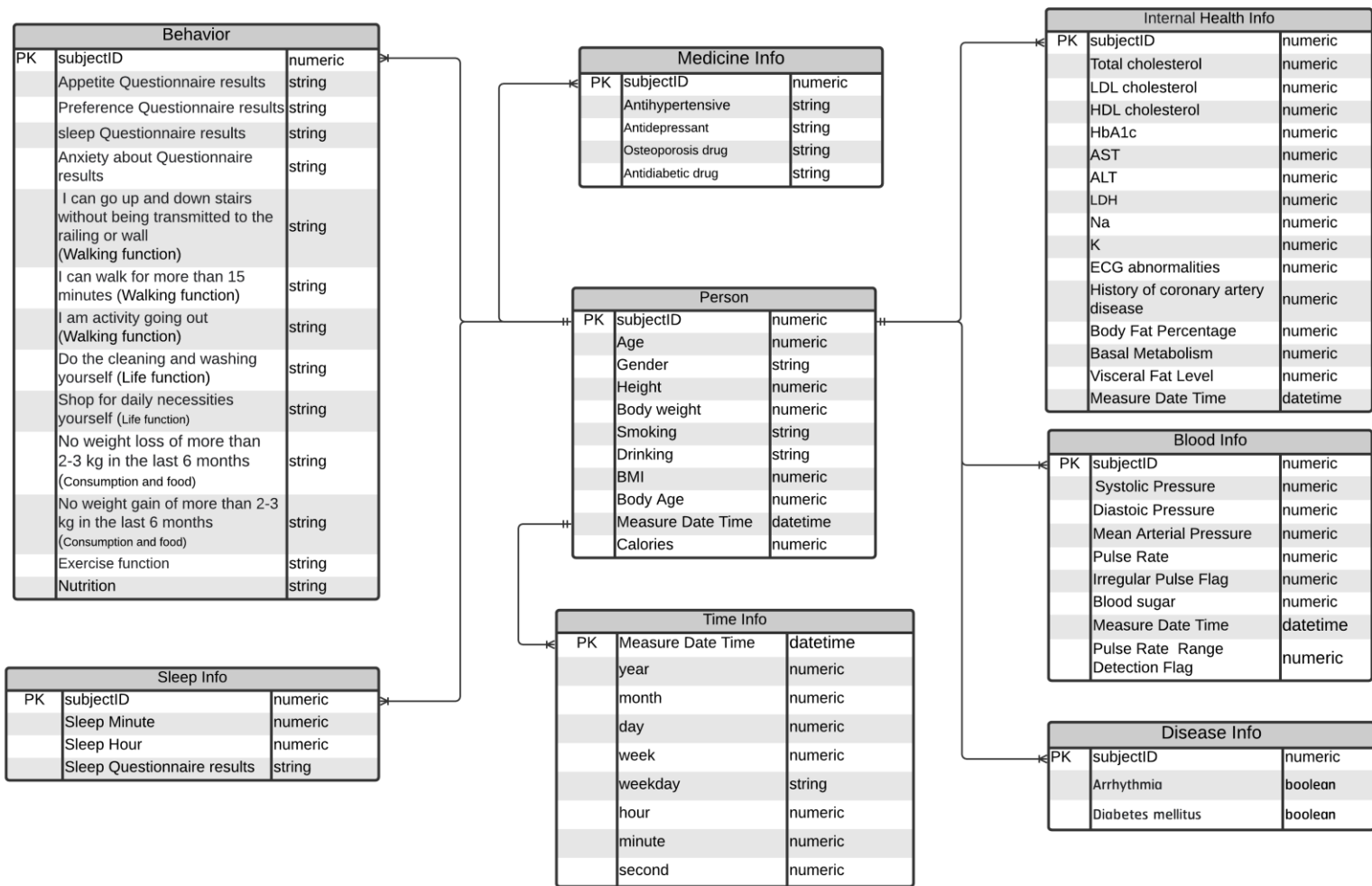


# Overview Metadata of Sensei Data

# Overview Metadata of 71\_sensing\_data







# Data Model

# Query Design

Heart disease risk  
(Gauge)

Heart rate & Time  
(Line graph)

Sleep time & Weekday  
(Bar graph)

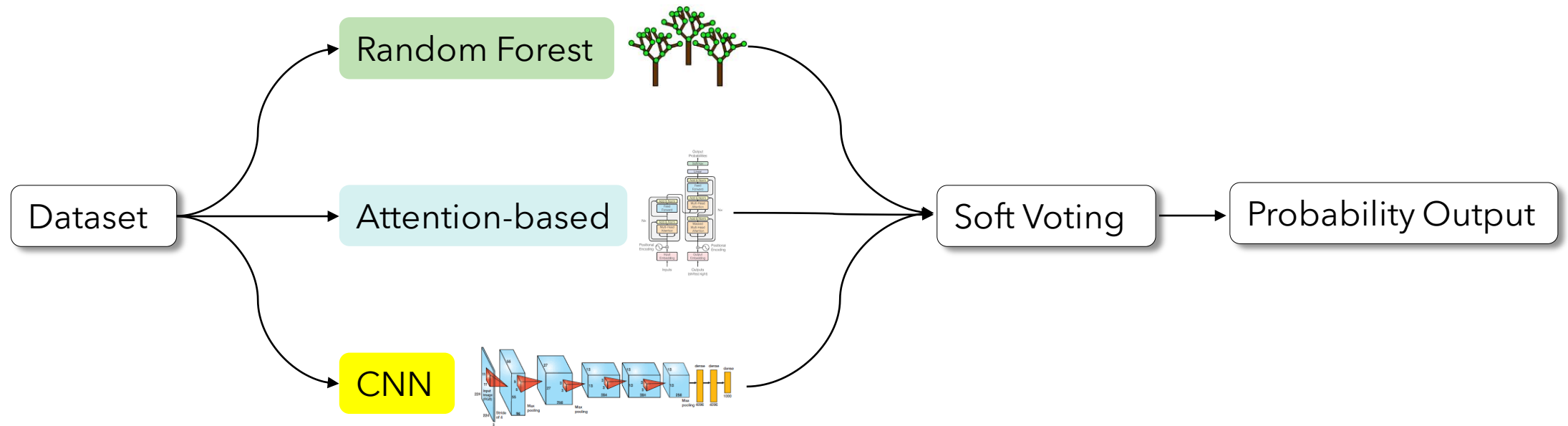
Today total calories  
(Donut chart)

Average blood  
pressure  
& Time  
(Line graph)

# Dashboard Design



# Heart Disease Prediction using Machine Learning



# Members & Responsibility



**Ms.Natchariya Wongamnuayporn**  
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**Mr.Natchapol Patamawisut**  
(Bank)  
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## Responsibility

- Kao** : Secretary & Testing
- Bank** : Leader & Programming
- Eye** : Data Cleansing
- New** : Data Cleansing
- Fuze** : Programming

# References

- [A Survey on Prediction Techniques of Heart Disease using Machine Learning - IJERT](#)
- [22.pdf \(acadpubl.eu\)](#)
- [Information | Free Full-Text | Ensemble Deep Learning Models for Heart Disease Classification: A Case Study from Mexico \(mdpi.com\)](#)
- [Heart Disease - Automatic AdvEDA & FE & 20 models | Kaggle](#)