



A blurred background image of an office interior. Several people are visible sitting at desks, working. The image is out of focus, emphasizing the text overlay. A small yellow horizontal bar is located in the top left corner.

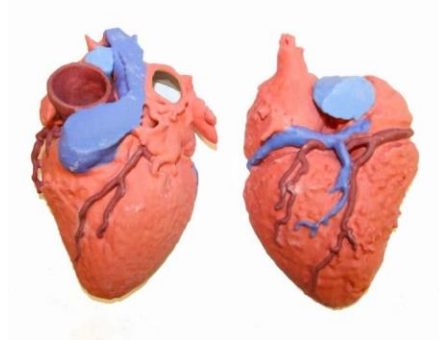
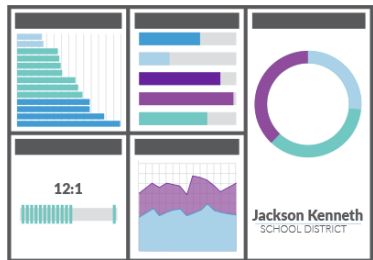
PFuzeSangLuis

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?

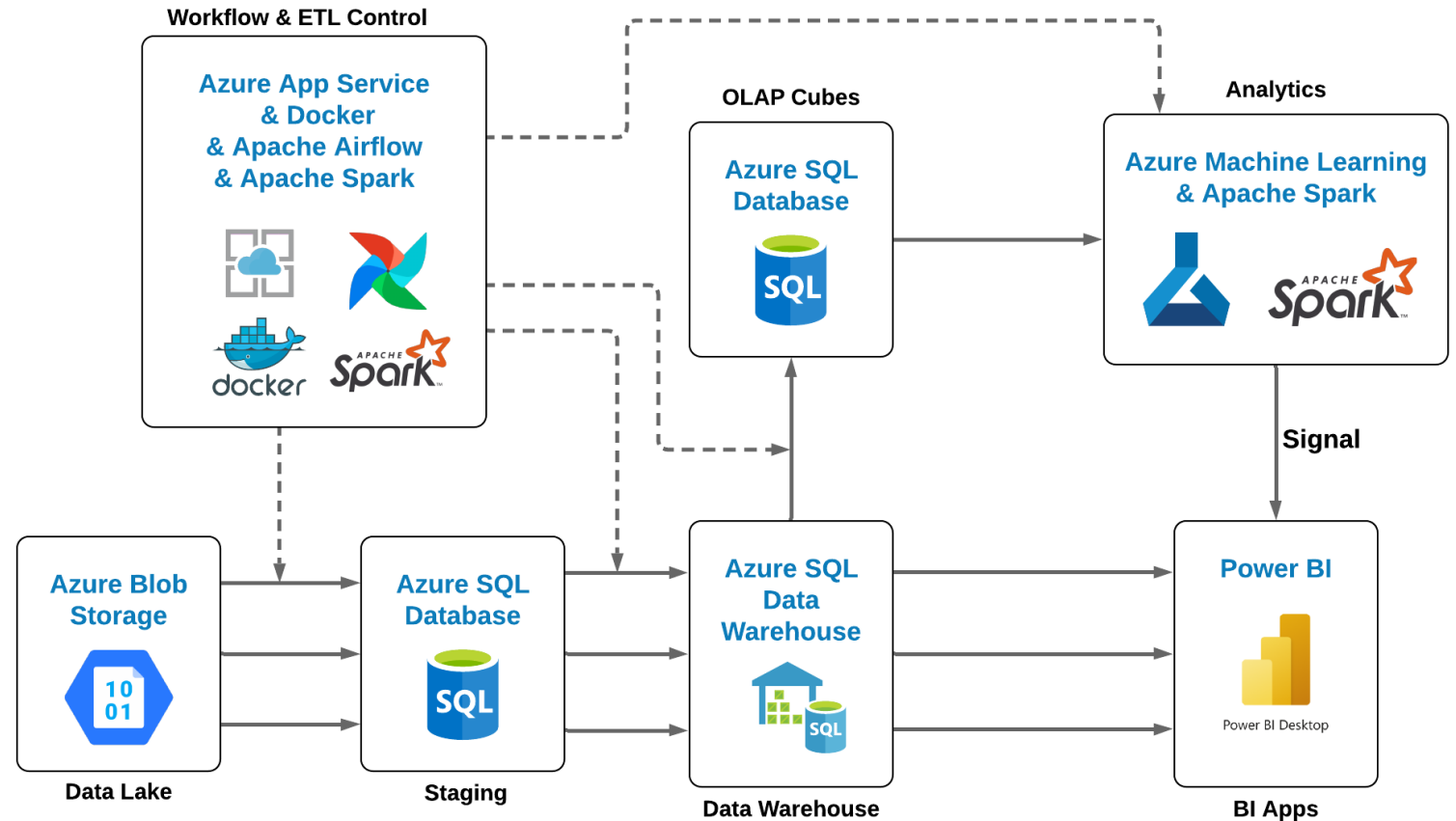
• Ans > **Dashboard and Signal**

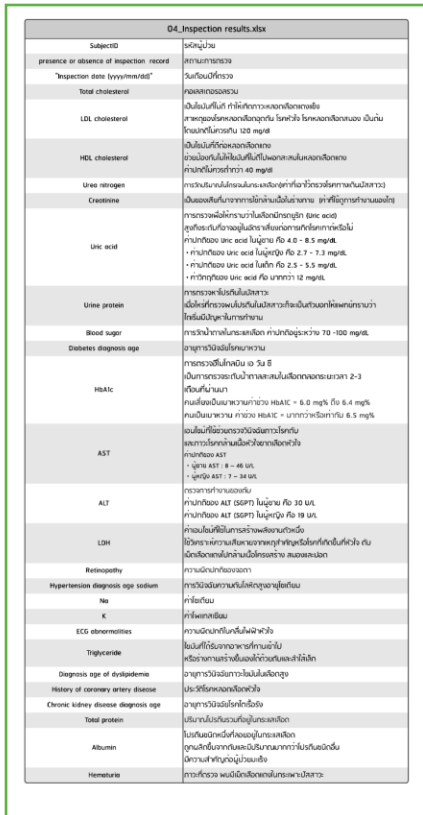
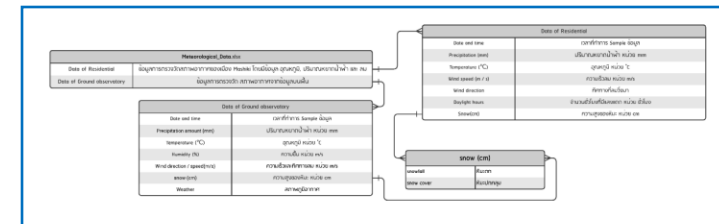
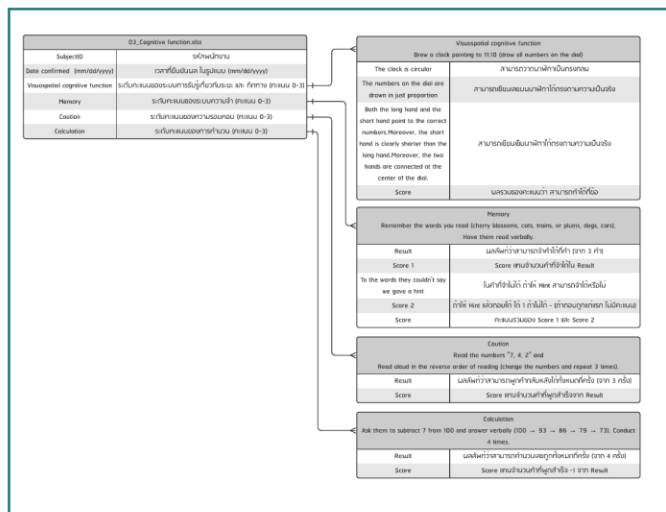
What technologies do you need to achieve your goal?

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

Conceptual Design

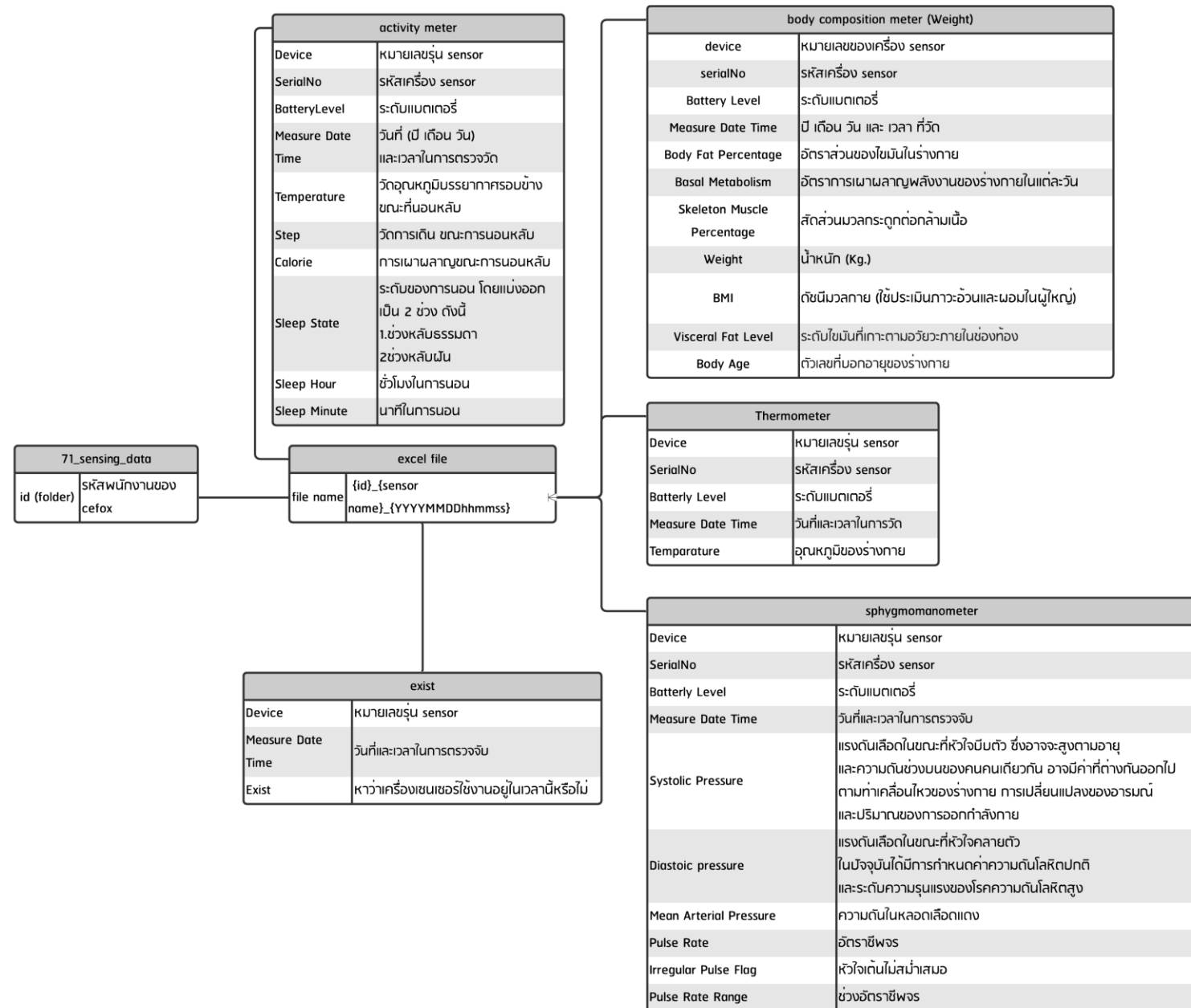
Data Pipeline Design

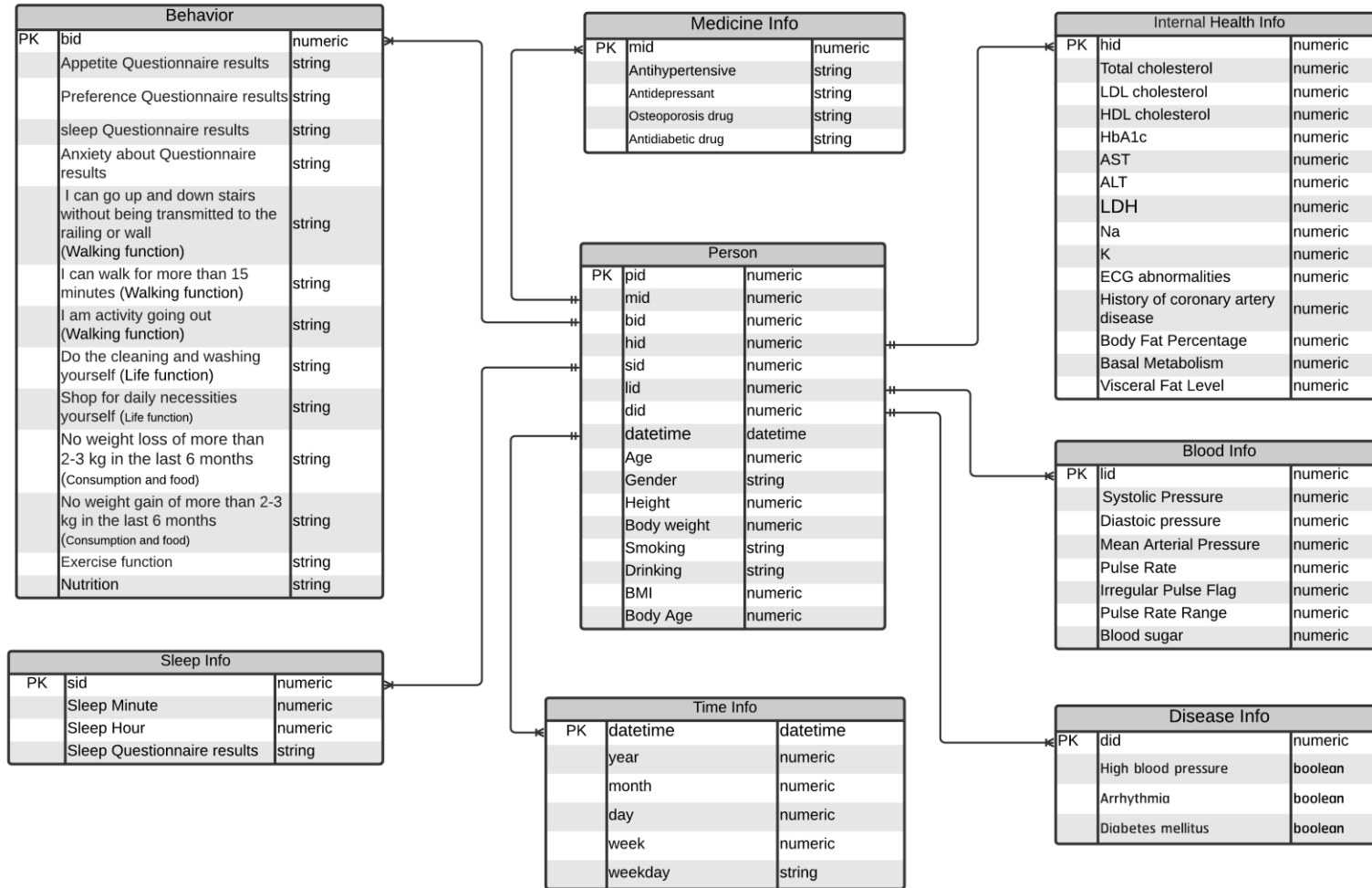




Overview Metadata of Sensei Data

Overview Metadata of 71_sensing_data





Data Model

Query Design

Heart disease risk
(Gauge)

Heart rate & Time
(Line graph)

Sleep time & Weekday
(Bar graph)

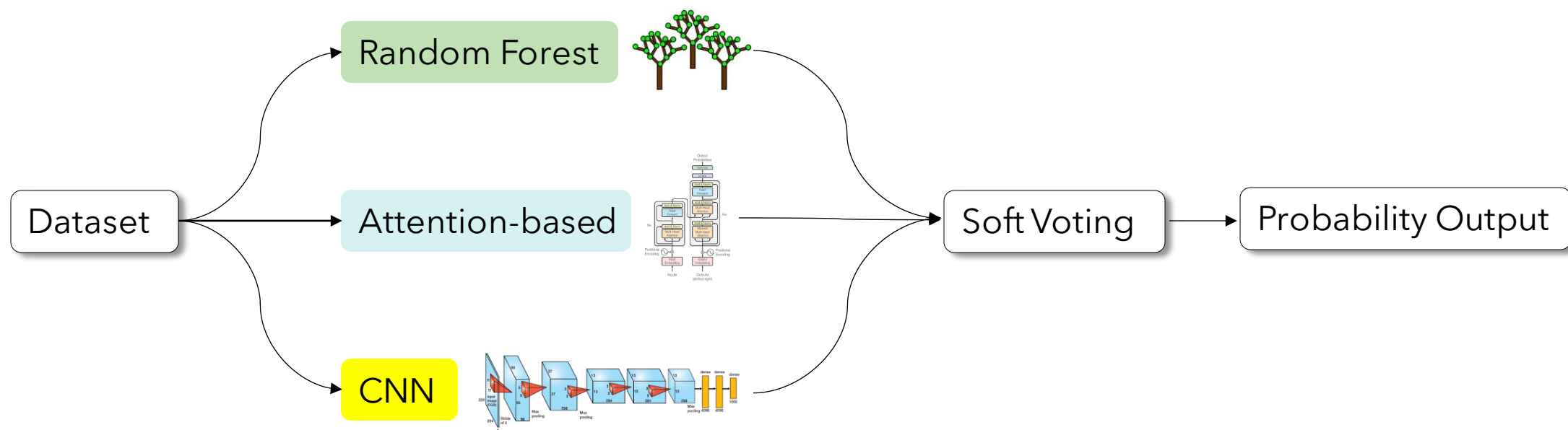
Today total calories
(Donut chart)

Average blood
pressure
& Time
(Line graph)

Dashboard Design



Heart Disease Prediction using Machine Learning



Members & Responsibility



Ms.Natchariya Wongamnuayporn
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(Fuze)
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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](#)