

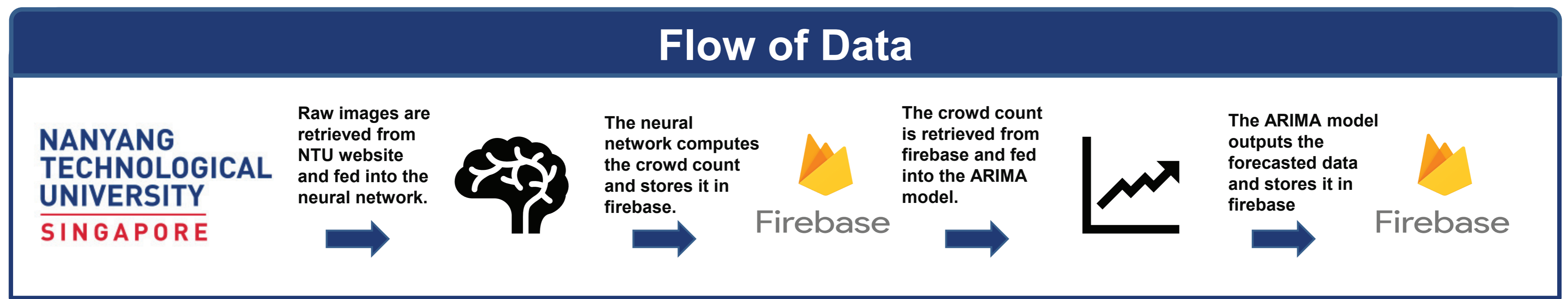
Smart Object Counter

Track real-time crowd count with future predictions of crowd levels

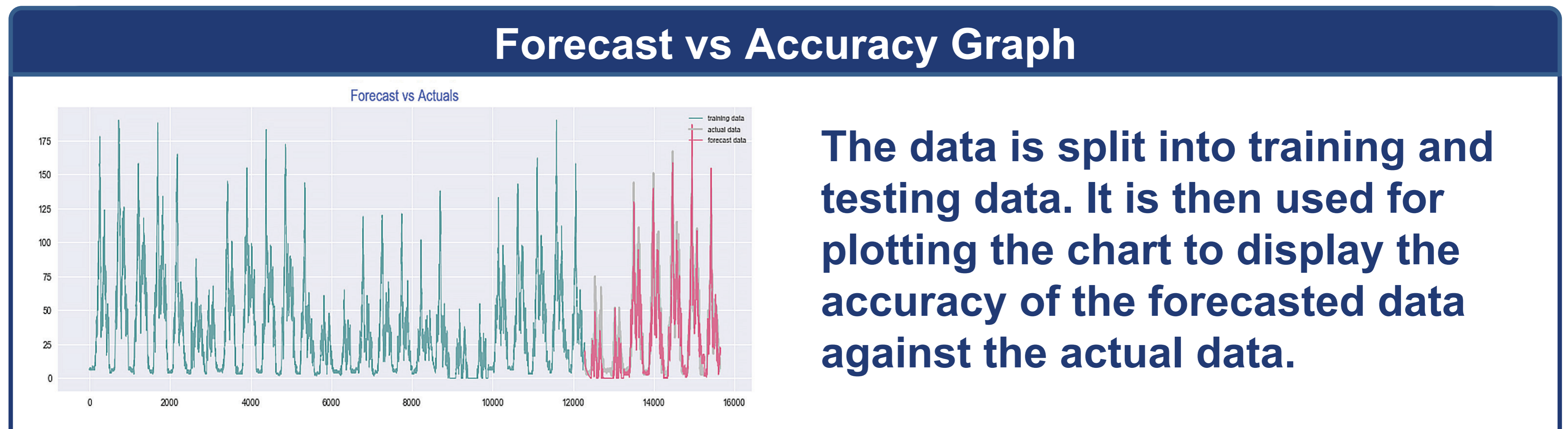
Project Objectives:

1. Create a web application that allows an everyday user to be able to get an estimate of the number of people in specific areas of Nanyang Technological University.
2. Make predictions on the crowd level in the near future.

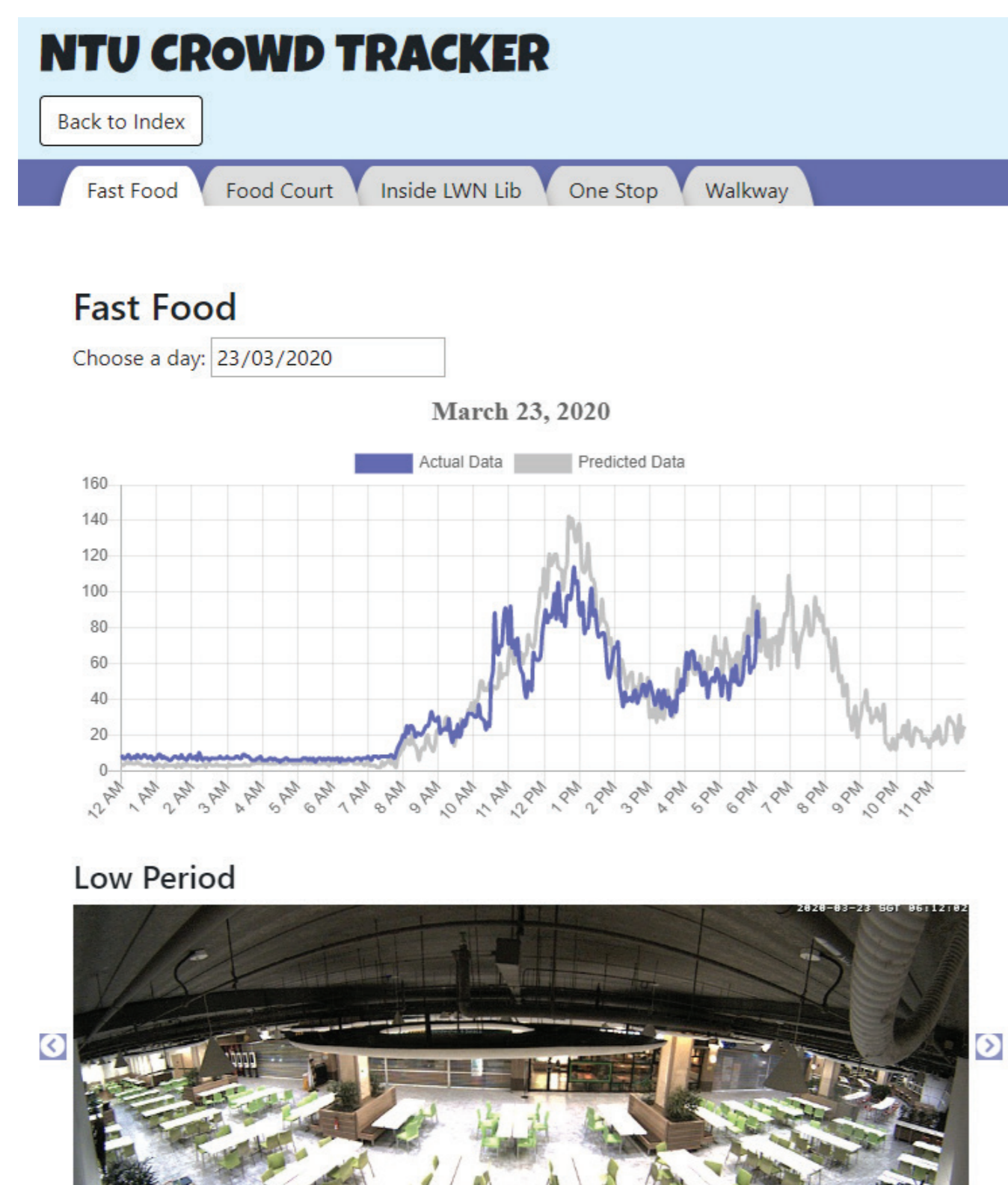
Flow of Data



Forecast vs Accuracy Graph



The data is split into training and testing data. It is then used for plotting the chart to display the accuracy of the forecasted data against the actual data.



Functions:

- Actual and forecasted data saved in firebase retrieved and displayed as a chart.
- ✓ Select from a range of locations
- ✓ Date selection option
- ✓ Displays peak and low period images for visual comparison

Student: Ting Jie Yi Rachel | **Supervisor:** Dr Loke Yuan Ren