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Case Study

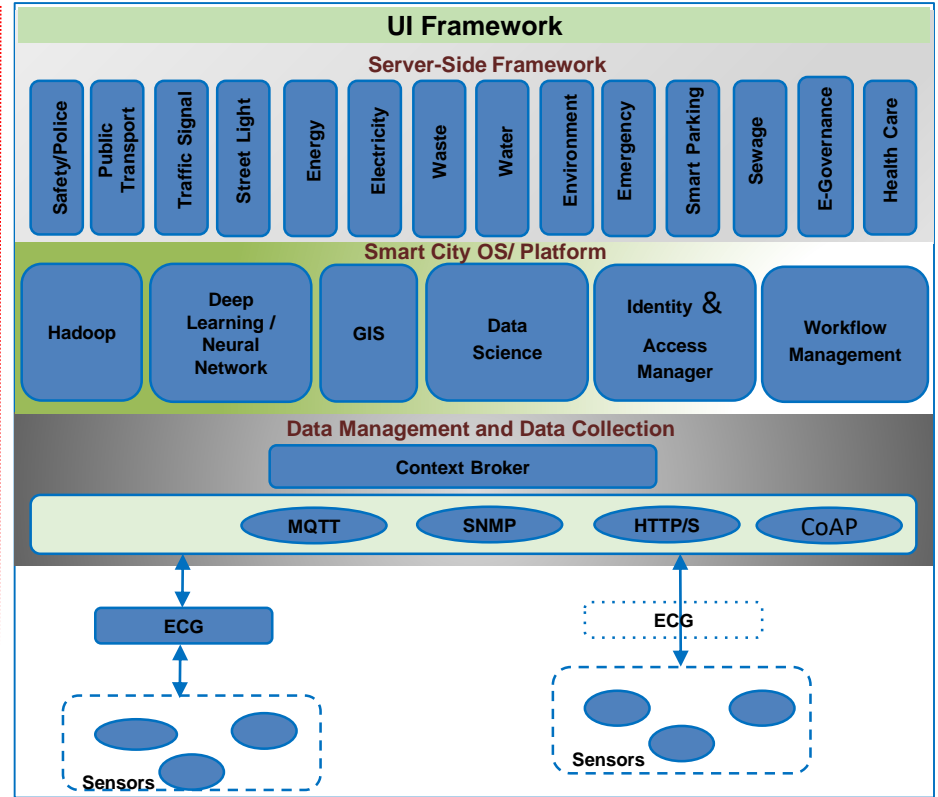
Smart City Platform & Traffic Management System

Design Scope

- Monitor and control traffic signals for a smart city

Solution/Highlights

- Design a complete system which would cater to the following:
 - **Architect and Implement a platform**
 - Build the platform infrastructure and expose APIs for application developers to develop end user application for each use case.
 - **Data collection**
 - Collect the data from different traffic signals
 - Publish Kafka topics
 - Collect traffic data from google maps
 - **Data Analytics**
 - Support for Data analytics
 - Implementation of an adaptive algorithm to control the traffic signal based on the traffic density.
 - **Smart Traffic Management**
 - Implement the traffic management application use cases on top of the platform





THANK YOU



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