DASS Sprint Backlog 2

Team 51

Abhijit Srivastava, 2019113032 Gaurav Singh, 2020111014 Kavya Kolli, 2019101127 Pratyay Suvarnapathaki, 2020111016

Overview

Project number	50
Project Title	Framework to access and Validate sensor data
Document	DASS Project Plan v1.0
Creation date	10th March, 2021
Created By	Pratyay Suvarnapathaki
Client	Prof. Anuradha Vattem, Smart City Living Lab, IIITH

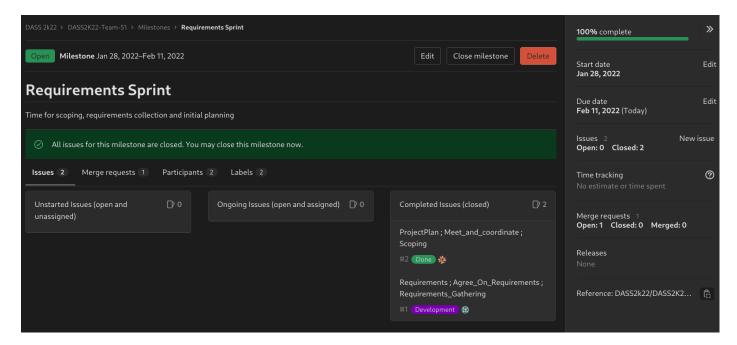
Problem Statement

The Smart City Living Lab has recently deployed more than 100 data collection nodes across the campus. These nodes track various metrics for air quality, water quality, energy, weather, etc. Thus, a large amount of data is being generated.

The natural extension of this hardware framework is to build a robust software setup to ensure accuracy and consistency in sensor readings. Factors such as hardware malfunctions, network failures, or software glitches affect data quality and result in inaccurate data generation.

Therefore, our role is to develop a framework to integrate with the existing oneM2M-based setup, and implement features such as uniform data quality validation, outlier detection, and hardware malfunction indication.

Requirements and Design Sprints Fully Complete



Plan Till R1

Implementation and testing in progress.

