



DASS Sprint Backlog 1



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	11th February, 2021
Created By	Pratyay Suvarnapathaki
Client	Prof. Anuradha Vатtem, 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 Sprint Progress

DASS 2k22 > DASS2K22-Team-51 > Milestones > Requirements Sprint

Open

Milestone Jan 28, 2022–Feb 11, 2022

EditClose milestoneDelete

Requirements Sprint

Time for scoping, requirements collection and initial planning

✓ All issues for this milestone are closed. You may close this milestone now.

Issues 2Merge requests 1Participants 2Labels 2

Unstarted Issues (open and unassigned)0

Ongoing Issues (open and assigned)0

Completed Issues (closed)2

ProjectPlan ; Meet_and_coordinate ; Scoping#2 Done

Requirements ; Agree_On_Requirements ; Requirements_Gathering#1 Development

100% complete

Start dateJan 28, 2022Edit

Due dateFeb 11, 2022 (Today)Edit

Issues 2Open: 0Closed: 2New issue

Time trackingNo estimate or time spent?

Merge requests 1Open: 1Closed: 0Merged: 0

ReleasesNone

Reference: DASS2k22/DASS2K2...🔗

Dev Sprint 1 Plan

DASS 2k22 > DASS2K22-Team-51 > Milestones > Dev Sprint 1

Upcoming

Milestone Feb 12, 2022–Feb 25, 2022

EditClose milestoneDelete

Dev Sprint 1

Issues 7Merge requests 0Participants 0Labels 1

Unstarted Issues (open and unassigned)7

DataValidation ; Outliers ; OutlierSpotting#9 Future

DataValidation ; Outliers ; OutlierAlgo#8 Future

DataValidation ; Good_values ; Nan_alert#7 Future

DataValidation ; Good_values ; Nan_Detection#6 Future

UpAndRunning ; Node_Posting_Data ; Check_Frequency#5 Future

UpAndRunning ; Program_Setup ; Data_Fetching#4 Future

UpAndRunning ; Program_Setup ; OneM2M_Interfacing#3 Future

Ongoing Issues (open and assigned)0

Completed Issues (closed)0

0% complete

Start dateFeb 12, 2022Edit

Due dateFeb 25, 2022 (Upcoming)Edit

Issues 7Open: 7Closed: 0New issue

Time trackingNo estimate or time spent?

Merge requests 0Open: 0Closed: 0Merged: 0

ReleasesNone

Reference: DASS2k22/DASS2K2...🔗