**Project Synopsis/Project Concept Document**

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| Project number | 49 |
| Project Title | Smart City Living Lab Dashboard building view implementation |
| Document | DASS Project Concept Document |
| Creation date | 19/01/2022 |
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| Client | Dr. Anuradha Vattem, Smart City Living Lab |

**Description**

We need to implement a dashboard which shows the data coming from a number of sensor nodes placed around campus in real time. The dashboard should be in building view and interactive – parts of the campus should be visible in greater detail as required, e.g. different floors of a building. An issue with the existing codebase is the lag in data received from the nodes, which we were instructed to fix if possible.

**Profile of Users**

***Replace this text and the instructions below with your statement in black.***  
User profile should provide details about the various types of end-users that are going to be using the system. This will influence the way a specific project is designed/implemented. For example, Students, Teachers, Administrators, Parents, etc may use a university registration system. In each case you should list down the characteristics. For example, a parent might not be computer literate which might impact the way the parent interface for the university registration system is designed.

**Feature highlights**

Feature Group 1 (frontend)

* A virtual campus
* Interactively move around/zoom in
* Data from nodes visible

Feature Group 2 (backend)

* Real-time update of node data

**Usage Model and Diagrams (if any)**

N/A