Dashboard For the Living Lab

SMARTCITY
RESEARCH CENTER

INTRODUCTION

- Living Lab is a project to create an urban area enhancing three value domains: social, economic and environmental.

- Collects data for air quality, water quality, water quantity, energy capacity and consumption, solar energy usage and other environmental parameters.

- A dashboard is designed to present the data collected from several sensors throughout the IIIT campus

- Parameters are displayed and plots shown as per the selection

METHOD

- Data is taken from Thingspeak API / Onem2m API and pushed to MQTT server.

- The MQTT broker pushes the data to the data base.

- Data is fetched from data base and shown on the dashboard.

FEATURES

- Presents the data collected from various nodes deployed across the campus.

- Minimum of any 4 parameters can be chosen across the verticals

- Pattern of parameters can be monitored by selecting the node

- Variation of the parameters can be studied through live plots

- Easy UI to understand