

I Group - 3

Group Assignment

INTE 31273

Integrative Programming and Technologies



Department of Industrial Management
Faculty of Science
University of Kelaniya
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Group Members

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IM/2017/056 R.G.V. Pramoda

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IM/2017/091 W.D.S.K. Wijerathne

Introduction

“Monitor” is a cloud-based sensor monitoring and alert management platform which can be used to centrally monitor any device regardless of its location. The main functionality of the system is to alert on certain events based on the readings coming from the sensors. The system should be able to collect sensor data readings from different sensors such as Temperature sensors, Humidity sensors, Pressure sensors etc. we will monitor three temperatures if any sensor increase temperature 30 C when fire alarm sent to email and SMS. Activate sensor button will send data to the backend

The system should visualize the sensor readings for each sensor and the status of the sensor to the user using a web portal. The sensor readings should be visualized as graphs for each sensor and the user should be able to see the past alerts that occurred in each sensor via the user interface.

Technologies

Database – MYSQL

Frontend – React

Charts – Chartjs

IM/2017/017 P.D.R. Deshan

- Contribution – Backend / Front-end
- challenges/issues – send Email and SMS

IM/2017/020 P.H.T.C. Dissanayaka

- Contribution – Front-end/Back-end
- challenges/issues – some errors with SQL database and java dependency errors

IM/2017/056 R.G.V. Pramoda

- Contribution – Front-end/Back-end
- challenges/issues -Getting(arrays) data through axios connection.

IM/2017/072 M.M.M.N. Shanthirathna

- Contribution – Front-end/Back-end
- challenges/issues -sensor readings, react-scripts dependencies

IM/2017/091 W.D.S.K. Wijerathne

- Contribution – Front-end/Back-end
- challenges/issues – errors in react dependencies and java dependencies.



