

Scope Statement (Version 1.0)

Project Title: Space monitor

Date: April 25, 2015 Prepared by: April 27, 2015

Project Justification:

The aim is to develop project with complex network architecture, the project should contain microcontroller which communicates with server over internet and the webpage which demonstrate the sensors work in visual way. The project have to follow philosophy of internet of things.

Product Characteristics and Requirements:

1. The microcontroller have to:
 - (a) transmit data over internet to the server
 - (b) read data from Ultrasonic sensor
2. The server have to:
 - (a) received data from microcontroller
 - (b) keep data in the database
 - (c) provide RESTfull API for webpage
 - (d) be based on IBM BlueMix
3. The webpage have to:
 - (a) be implement fluid-design
 - (b) contain:
 - i. legend
 - ii. two donut chart
 - iii. bar chart
 - iv. plot
 - (c) receive data from RESTfull API

Summary of Project Deliverables

Project management-related deliverables: the following documentation and any other documents required to manage the project.

1. Scope statement

2. WBS
3. Network diagram and critical path
4. Risk register and probability impact matrix
5. Communication plan
6. Cost baseline
7. Team contract
8. Project completion report

Product-related deliverables:

1. A project meeting the agreed specification
2. A design document detailing the project architecture
3. All software code
4. Final presentation

Non Project Deliverables

1. No guarantee of increased revenue for the project
2. The ongoing site maintenance following the completion of the project
3. The website hosting and hosting contract
4. The website launch

Project Success Criteria:

1. The project will be completion within 3 months.
2. All HTML and CSS to validate to W3C standards.
3. The project will be fully functional
4. The product will follow Product Characteristics and Requirements

Assumptions:

The project team will consist of a Sponsor(University) and Project Manager/Programmer(Alexey Tukalo) and Programmers(Gatan M., Florian Henriet).