Project approach:

For the project, our team wanted to make something that can be easily expanded or constrained. Each team member came up with an idea and in the end we combined it. We thought of each constrain that we were given and how possibly we can implement it into our project.

Goals and Objectives:

Our main goal : fully fledged, functional network between website, application, and sensors.

Our objectives:

* Application for retrieving and sending sensor information
* Website for the hypothetical client
* Back-End application for the server and warehouse management:
  + Website status
  + Database, logs of the website
  + Database, logs of the sensors
* Dockers for handling server

Risk assessment:

|  |  |  |  |
| --- | --- | --- | --- |
| **Risks:**  Team members can start arguing with each other about something they do not agree  Team member can get sick in such way that he will be incapable to work even from home.  Hardware failure  Internet failure of team members | **Impact:**  Low, possible postponing deliverables  All work will be transferred to other team members, which can lead to postponing and decreasing quality of deliverables  Extremely harmful, due to COVID-19 quarantine and inconveniency of maintaining it  Inability of a team member to work on a daily basis | **Possibility**  Moderate  Moderate  Low  Medium | **Solution/Workaround:**  Team members will discuss what is better for them and if there will be no solution for their argue problem, teachers will get involved.  Team members will try to work on everything, and sick team member will try his best to work and to get better.  Contacting client/teachers to find a workaround that problem.  Notifying a mentor and a team member and contacting an internet provider for them to solve a problem. |