|  |  |  |
| --- | --- | --- |
|  | Stakeholder requirement | System requirement |
| User | User would like to customize indoor environment by regulating temperature, humidity and air quality | Have an accessible interface for regulating temperature, humidity and air quality. |
| Facility manager | Long operational life | Should have a cabled connection to electricity |
| Easy maintenance and monitoring | Possibility to monitor the status of multiple panels. |
| HVAC vendor | Easy deployment of control system |  |
| Compatible with their equipment | Protocol of communication must be compatible. |
| Government | Meet regulations |  |

* Collect data from sensors
* Regulate parameters, description?!

1. Regulate temp between this range (15° to 30°) by controlling the heating/cooling coils and radiators.
2. Regulate humidity between 25 and 60%. Usually air is humidified to between 25 -45% during winter and dehumidified to below 60% during summer. Any figure outside this range shall produce discomfort and indoor air quality (IAQ) problems. by controlling the evaporating coils.
3. Regulate air quality depending on CO2 by entering more fresh air by controlling the fans/dampers.

* Send updates on current situation of indoor environment
* Send updates on the state of the panel
* Display the value of each parameter
* Have user input through buttons