**Descriptions of components:**

1. **Sensors:** A device which detects or measures a physical property and records, indicates, or otherwise responds to it. In our project, we have heterogeneous types of sensors, for example, temperature sensors for sensing temperature, humidity sensors for measuring humidity of a place at a particular time, light sensors for transport systems, etc.
2. **Gateway:** Gateway is a device which is used to connect two different networks, especially a connection to the internet. In our project, these connect sensors to the filter server (or sensor server) through a communication medium.
3. **Communication Medium:** A medium that helps to communicate Gateway and sensor (filter) server. It uses REST protocol as a medium to transfer information from gateway to sensor server.
4. **Sensor Server (Filter Server):** As the name indicates, it filters the information it gathers from the gateway through the communication medium and make it available to the developer that is using it. It hides all the irrelevant information which is of no use to a particular developer who intends to build application on our platform.
5. **Application Platform:** It allows developers to build secure, data-driven application using our API, which can be accessed from mobile devices anywhere and anytime. This application platform provides the ambient information gathered by different real-time sensors like temperature sensor, weight sensor, light sensor, humidity sensor, smoke sensor etc. Also only the needed information about the particular sensors is displayed and rest of the information of different sensors will be abstracted from the developer who is building application using our platform.