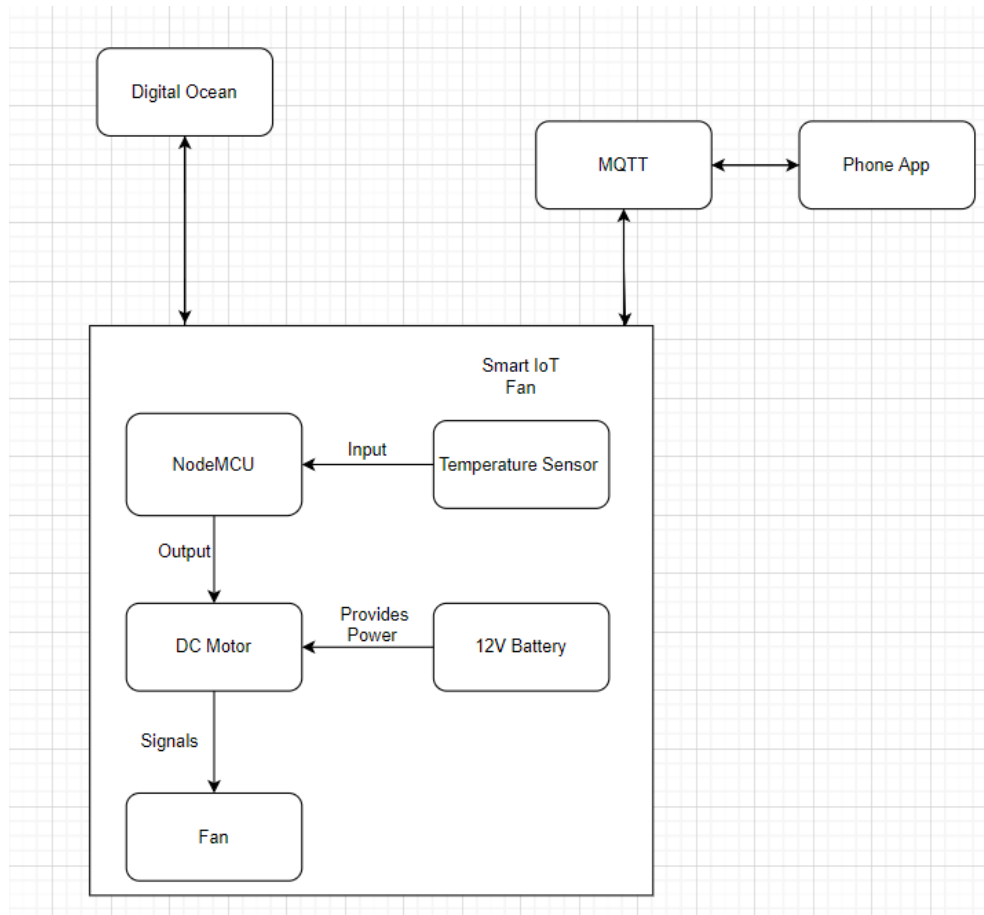# IoT Product Architecture

Smart IoT Fan
- IoT microcontroller responsible for message passing and actuations
- Collects informations from the temperature sensor
- If the temperature is above a certain limit, it will turn on the DC motor which will turn the fan on.
- Sends the the temperature log along with the Microcontroller id to the backend
- The mode MCU decides if the temperature read is sufficient enough for turning on the fan.