Air Pollution Monitoring and prediction using IoT

In this paper sensor data of a humidity and temperature sensor (DHT11) and a gas sensor(MQ135) was stored on the cloud using a web-enabled microcontroller(ESP8266).

This data was then processed (converted into CSV) and used to train machine learning model and forecast the pollution rate. The machine learning algorithm used is called Long Short Term Memory (LSTM) which is a modification Recurrent Neural networks(RNN).