**Purpose:** Forecast the concentrations of pollutants PM2.5, PM10, CO, NO2, O3-8h and SO2

**Data set contain:** the concentration of ari pollution from October 2017 to October 2018 and meteorological data, say Temperature, Relative Humidity, Atmospheric Pressure, Precipitation, Season, Traffic Peak Time?, Wind Power.

Look into Videos with Haze, Try to classify the Haze based on type of Pollutant

Research on air quality prediction model based on deep learning

1. Project Proposal (10% of Project Marks) Due Oct 7, 2018

* At least 4 pages: single spaced, 12 pt times roman, 1 inch margin all around.
* Figures, References and Images additional
* Abstract, Introduction, Brief Summary of Existing Work, What you Plan To Do, How You Plan to Implement Your Ideas, Timeline (when you will finish different tasks)
* Describe 2 Assignments that you will Implement as Part of the Project (Oct 28, Nov 18)

1. Abstract
2. Introduction
3. Brief Summary of Existing Work
4. What you Plan To Do
5. How You Plan to Implement Your Ideas
6. Timeline
7. Project Literature Review (20%) Oct 28, 2018 1. About 4-6 pages of TEXT, same format as proposal 2. At least 10 papers to review per person 3. Figure, Tables, References to go into additional pages
8. Project Implementation & Documentation (40%) • Innovative • Software or Hardware • Documentation • Evaluation
9. Project Demo (10%) 15 minutes • Show what you have done • Have a few slides for explanation
10. Project Final Report (20%) • Introduction (including Literature review) • Methods • Results (preliminary) • Discussion • List of References