WEEK 1:  
Planning of how to approach crime prediction and analysing every available open – source crime data  
For the working model Denver Data has been used as an example

WEEK 2:

Detailed discussion on using GIS based system for splitting of given map area into several grids for the model to work. Further usage of Nominatim API for address augmentation scheme is also discussed.

WEEK 3:

Using python to simulate the working of entire GIS system by creating shapefiles as and when necessary, also discussing the general optimization of grid area factor. Choosing a suitable architecture scheme for the entire plan to work out and dividing the entire GIS model into several modules

WEEK 4:

Building a python Notebook and making the mapping model to work with proper outputs. Discussing on how to approach with merging of the crime points with the clipped-out map

WEEK 5:

Planning to further reduce time by further optimizing the algorithm and increasing modularity of the model. Using Denver Dataset to visualize the shapefile outputs. Planning the progress of the project using machine learning.