Team Name: AI and Policing
Team Members: Ahmad Alhabib, Manav Shah, Yatharth Shah

Describe your system in terms of goals, environment, and adaptations of the system, etc.

Goals:
Our primary objective is to create an advanced AI system capable of recognising and mapping crime hotspots inside a city, thereby improving public safety and allowing law enforcement to allocate resources more effectively. Our AI system seeks to deliver immediate and accurate insights into high-crime regions by leveraging data analytics, machine learning, and geospatial information, helping both citizens and authorities to make informed decisions about crime prevention and intervention tactics. Our ultimate goal is to contribute to the reduction of crime and the creation of safer urban environments for everyone by assisting the police department to efficiently patrol for crime hotspots

Environment:
This system is to be used within a city's police department and will aid in police patrol organization and dispatch in order to deter or prevent crime. This system's stakeholders are the entity of the police department and the civilian population within a given city. Given that the predictions made by the AI model are correct, then it will have a positive impact on both stakeholders in terms of efficiency and public safety. However, if a prediction is wrong then resources of the police department will have been wasted and it may negatively impact both stakeholders.

Strengths:
- Available data to make predictions by identifying patterns

Weakness
- There is a possibility of the data having machine bias. Since the data may contain information about race, ethnicity, the trained AI model may have a machine bias

Primary stakeholders: Police department

Positive effects:
- Reduce patrol force
- Efficiency in finding next patrol spots

Negative effects
- Data may be invalid

Adaptions:
After the AI model predicts the location and time of a possible crime, then the police department can decide on an appropriate course of action. The initial step would be to have a testing phase

so the police could verify the data being outputted and after several iterations, we will find an efficient model which has high accuracy.