Hi everyone, I am glad to see you. Thank you for coming to my presentation.

I am ZEHAO YE. And My presentation today is vehicle tracking in large area.

There are the sections that I’d like to talk about, which are background, project planning, project progress, next step and summary.

So the first section is Background, which consists of four parts, Objectives, Context, Outline Requirement, AND Initial Design.

The objective of my FYP is developing an vehicle tracking algorithm. This objective is expected to be achieve from two aspects, which are multi-vehicle tracking and long-distance tracking .Track multiple vehicles simultaneously.

Track from one edge of the field to the other edge of field of regards to the other

Get the location of autonomous vehicle based on GPS signal and dispatch the autonomous delivery vehicles. This would be help for building logistics network

What coming next is the outline requirement, which is the problem I try to solve. Because human can identify the vehicles from aerial photograph but the accuracy is relatively low compared with computer. What I am trying to do is to build an accurate surveillance system, which would be able to help smart city management.

In conclusion, The objective of my FYP is to develop an VT algorithm. The reason why I doing this is to complement the surveillance system to help smart city management and learn control theory about Kalman filter.

I separate the entire project into four section and I am doing the SVTAD in second section.