Intelligent Transportation Systems

Proposal with TA 03/06

horizontal line

06 MARCH 2024 / 12:30 PM / TEAMS

# ATTENDEES

Alex Cavaco-Donia, James Szymanski, Duncan Waugh, Syed Mostaquim Ali

# AGENDA

## Discussion of the project

1. A simple discussion going over the scope and possible ideas of the project
2. A proposal to the TA

## New Business

* We proposed using neural networks and deep Q-learning to optimize traffic systems
* The scope of our project is defined for the TA
  + He fully understands our end goal and possible solutions for this result
* Mr. Ali proposed using PyTorch and TensorFlow
  + Giving us resources for PyTorch as we are more comfortable using it

# NOTES

* Mr. Ali included many resources of code for neural networks and deep Q-learning related to transportation
  + He included Github and code snippets for PyTorch and flow
* The scope of the project is roughly determined
  + We can continue researching and begin planning our project

# ACTION ITEMS

1. **Look into the resources provided by the TA**
2. **Perform additional research into deep Q-learning and neural networks related to transportation engineering**
3. **Fully plan our project**

# NEXT WEEK’S AGENDA

Finish planning the project and begin coding