



# LAMP

## LIGHTACTIVITY MONITORING PROGRAM

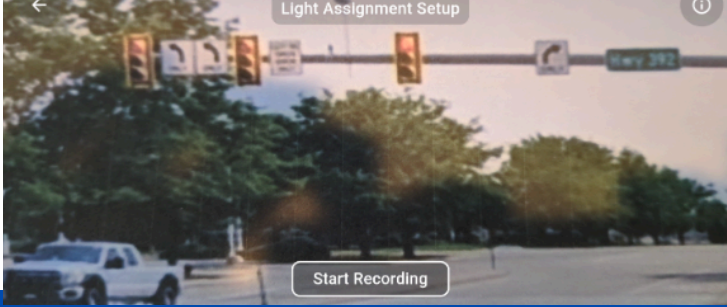
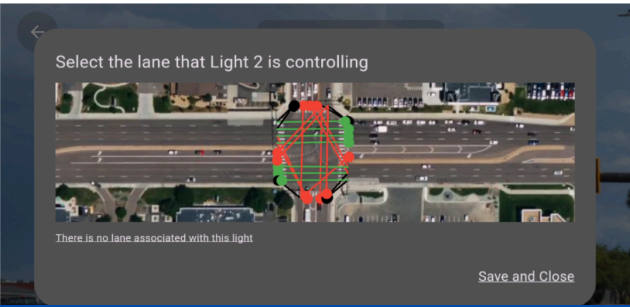


Username

Password

Password

The Light Activity Monitoring Platform (LAMP) is a mobile application, available on the Google Play Store, created to allow users to record the light state of traffic lights (i.e green, yellow, red) at an intersection and accurately record those states, the signal group of each light, and the time of the light detection.



### \$120,00 grant/internship

Partners - USDOT - LEIDOS - Neaera Consulting

#### Project

Develop a machine learning mobile application to capture the state of a traffic light in specifically define intersections and calculate the time it takes between the different light states.

#### Requirements

Using a smart phone and camera, record the light and log the time it takes to switch from Red to yellow and yellow to red. Track and save this information for further projects that Basic Safety Messages that are sent by connect vehicles are able to use for timing.

#### Skills/Industries

- Machine learning
- Flutter/Phyton code languages
- App development
- Business environment
- Following management software (DevOps)
- Followed SCRUM business strategy

