AI-Powered Public Transport Management System

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PROBLEM STATEMENT

In these troubling times, it is crucial to make sure the chain of COVID-19 is stopped and also to ensure the growth of the economy, the scheduling of public transport is essential. It is of utmost importance to make sure that utilities are used with maximum efficiency along while maintaining social distancing which was completely ignored in the existing system, so we decided to make a scheduling system that was AI-powered in order to cope up with ever-changing conditions and ensure other criteria.

SOLUTION

Making use of the onboard vehicle cameras, crowds can be assessed and social distancing can be monitored. The feedback from the camera is then used by an AI model to decide the actual scheduling.

- By minimizing the inconvenience of the travelers based on such earlier record
- By automatically deciding action and path in case of emergency events
- By mitigating unforeseen circumstances - eg. large of number of travelers

An online platform further complements the AI where people can schedule their travel with the minimal possible waiting time. The system is versatile and can be large of utility even in the post-lockdown scenario by providing almost perfectly scheduled timings for the transport with the optimal number of vehicles.

MODULES

1. Webstation
2. Social distancing police
3. Daily scheduler
4. Hourly scheduler

DEMO

THANK YOU

FEEL FREE TO ASK QUESTIONS.