

# Analytics Edge Ecosystem Workloads- GSoC

Publication Date: yyyy-mm-dd

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# 1 Introduction

## 1.1 Motivation

Today's society, where technology has broken down all barriers, makes it simple to address the majority of human issues. One of these issues includes traffic congestion. Over the years, there has been a sharp increase in traffic congestion, which has had detrimental effects on safety, accidents, air pollution, fuel waste, and most crucially, avoidable delays. At SUSE, we made an effort to develop a straightforward machine learning application that solves this issue.

Smart as a vertical — Many of us are very familiar with the word smart. In my opinion, everything which has the capability and sense to do something on its falls under the category of smart. Smart has now become a suffix to symbolize a person and any type of commodity. For Ex- Smartphones, Smart TVs, Smart cities, and many more...

More specifically this project falls under smart cities.

## 1.2 Scope

This Traffic Management System app's objectives are to enhance transportation processes, lessen traffic congestion and fatalities, offer users general notifications and alerts, and maintain traffic law enforcement.

## 1.3 Audience

This document is intended for DOT(Department Of Transportation), ATMS(Advance Traffic Management System) Team, Machine Learning Enthusiast, data analyst and Mlops and Devops practitioner.

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- 7 Additional resources

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