

# PUBLIC TRANSPORTATION OPTIMIZATION



**PRESENTED BY,**

**SONIYA.D**

**MAYILI.A**

**BHUVANESHWARI.A**

**JANANI.R**

**NARMADHA.S**

**DEVI.R**

**A.R ENGINEERING COLLEGE.**

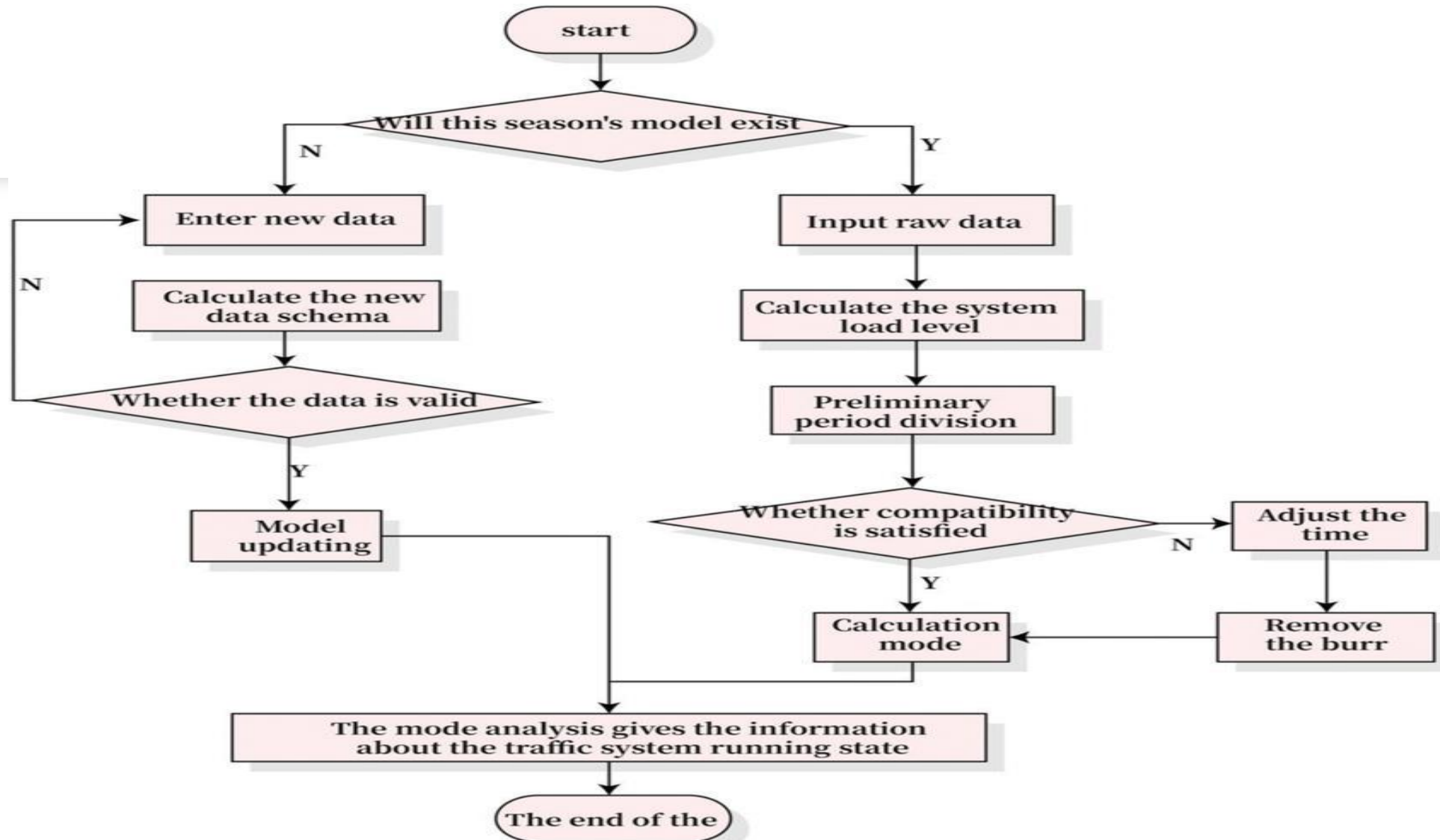
# ABSTRACT

- ❖ **Transportation refers to the movement of people, goods and services from one place to another.**
- ❖ **Internet of things is a platform that the device used to be smart, every day is processed to be smarter, and everyday communication becomes more informative.**
- ❖ **Public transportation optimization aims to propose an integrated transportation system model for catering the convenience and safety needs especially in the developing countries context.**
- ❖ **A new framework for public transport optimization based on IOT which integrates the scheduling problem of subway, bus and shared taxi is proposed for better coordinated transfer solution.**
- ❖ **It improve the quality of population life.**

# INTRODUCTION

- ❖ Nowadays the rapid economic growth of modern cities also causes many serious problems; one of them is traffic congestion.
- ❖ In Beijing, the Capital of china, people waste over three hours each day stuck in traffic in workdays.
- ❖ In order to better connect with bike- sharing, car-sharing, and other modes of transportation , public transportation will carry out important reforms, among which the optimization of line network is one of the most important task.
- ❖ It provides a comprehensive decision making method for improve the network topology structure and actual operation of public transit network.
- ❖ The internet of things provides a windows of opportunity for public transportation system.
- ❖ It provides better control strategies and scheduling scheme ,thus can more efficiency utilize the transportation resources and improve the quality of public transportation.

# BLOCK DIAGRAM



# DESCRIPTION

- ❖ Big data uses network information technology in an extremely large number of information system quickly process and analysis this huge data information.
- ❖ In this way, the INTERNET OF THINGS system has the characteristics of rapidness , high efficiency , low density and strong authenticity.
- ❖ The main working mechanism of cluster analysis is to classify similar objects according to the correlation of different data in the objects.
- ❖ Through the analysis of various road traffic problems, the possibility of optimizing traffic through big data and the INTERNET OF THINGS is created.
- ❖ To improve the public transportation optimization management of the latest information in the transportation system requires the use of information technology and data management systems.

THANK YOU