PUBLIC TRANSPORTATION OPTIMIZATION

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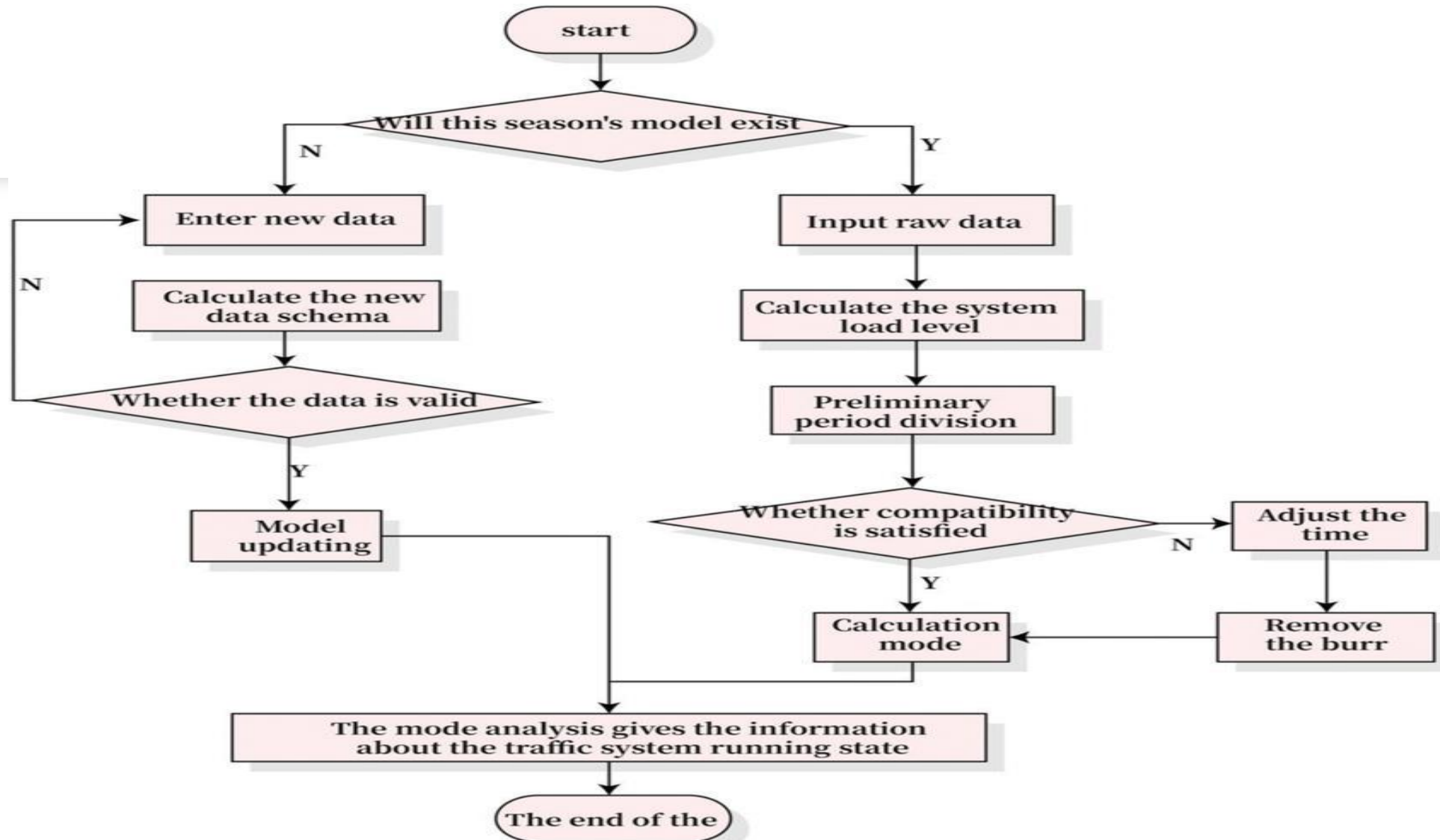
ABSTRACT

❖ 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