ABSTRACT

INTRODUCTION

AT PRESENT IN INDIA AND VARIOUS OTHER COUNTRIES THE NUMBER OF METROPOLITIN CITIES ARE INCREASING LETS TAKE OUR INDIAN CITIES AS EXAMPLE BANGALORE AND DELHI WHERE THE TRAFFIC WILL BE A LOT .

DAY TO DAY THE NO OF VEHICLES ARE INCREASING AND DAY TO DAY VEHICLE USERS INCRESING. IN CITIES MANY PEOPLE ARE COMING TO CITIES FOR STUDY OR WORKING PURPOSE BY WHICH TRAFFIC SITUATION BECOMEING WORSE .

MOTIVATION

WHY HAVE WE CHOSEN THESE PROJECT?

1)THESE PROJECT IS HELPFUL FOR GOVERNAMENT ORGANIZATION ESPECIALLY FOR TRAFFIC DEPARTMENT . NORMALLY TO IMPLEMENT ANY TECHNIQUES WHICH HELPFUL FOR MANAGING TRAFFIC PROBLEM BY USING THESE DATASET IT MAKES EASY. IN REAL TIME WE USE CC-CAMERAS AND SENSORS BUT CONTINOUSLY MONITORING NOT POSSIBLE AT THAT TIME FOR TRAFFIC MONITORING USING THESE DATASETS WHILE SENSING WHICH IS MOR EFFICIENCT AND TIME SAVING .

2) **IT USEFUL FOR VEHICLE MANUFACTURING UNITS LIKE THE COMPANY WHO MANUFACTURING THE VEHICLES IMPLEMENT OUR DATASETS BY IMPLEMENTING THESE GET THE ALERTS IN WHICH AREA THERE WILL BE THE MORE TRAFFIC AND HELPS OF FINDING THE ROUTE FOR THE VEHICLE WHICH IS TRAFFIC FREE EX:GOOGLE MAPS BY WHICH CAN SAVE THE LOT OF TIME WHICH IS MORE IMPORTANT NOW A DAYS.**

TRADITIONAL SYSTEM

IN REAL TIME THE PROCESS GOING WAS MANUAL OBSERVATION BY TRAFFIC POLICES THROUGH WALKIETALKIES THEY COMMUNICATE. WHERE AS OTHER PROCESS IS THROUGH CC-CAMERA FOOTAGES MONITORING THE TRAFFIC .

- **IN REAL TIME THERE IS ON AI .**

PROBLEM STATEMENT

- **BY WHICH MORE TIME COSUMPTION TO ANALYSIS WHERE THE TRAFFIC IS MORE AND WHERE THE LESS AT WHICH TIME PERIOD HAVING MORE TRAFFIC SO ON.**
- **NO INSTANT DECISION MAKING**
- **OTHER CRITICAL ISSUES (IF THESE PROCESS HAPPENS BY HUMANS DEFINATLY ERROR OCCUR THEIR WILL BE VARIATIONS IN THE OUTPUT NO 100% CHANCE OF GETTING THE EXACTE OUTPUT)**

SOLUTION

OBJECTIVE:

HERE AFTER CLEANING THE DATASET BY USING REGRESSION ALGORITHMS TO FIND THE COUNT AND USING CLASSIFICATION ALGORITHMS TO FIND WHERE WILL BE THE HEAVY TRAFFIC AND NORMAL WHICH ALGORITHM GIVES THE EFFICIENT RESULT. TESTING AND CONTINUING WITH THAT PROCESS AND IMPLEMENTING IT .NOT ONLY ONE DATA SET WE CAN USE CLASSIFICATION AND REGRESSION EACH ONE ALGORITHMS SEPERATLY ON DIFFERENT DATASETS.