

Vehicle counting is a computer vision solution that automates the process of vehicle detection and classification. Vehicle counting software focuses on keeping track of the number and type of vehicles that enter and leave through a particular route for accurate monitoring of traffic.

A vehicle tracking system is a software system used by transport companies to monitor the location of trucks, trailers and other vehicles. The software is connected to the vehicles via GPS, giving companies real-time insight into the geographic position of their vehicles.

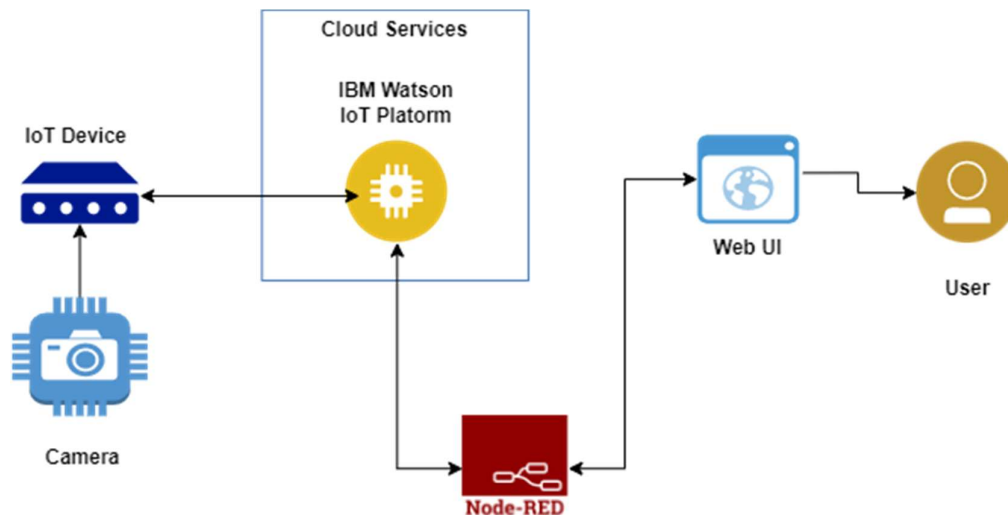
Project Description:

Security has always been the priority of any state. Taking such security into account a system is to be developed where we constantly monitor the people entering and leaving the place and even the vehicles which are entering that

particular location. This data will be useful in case of emergencies. Camera detects the entry and exit of a person, captures all the faces and counts the number of people in the secretariat. It also captures all the cars and counts the number of cars entering and leaving the area. The captured data is sent to a mobile application via cloud. The mobile application facilitates the constant monitoring and patrolling of the arena.

Technical

Architecture:



Project Objectives

By the end of the project, you will:

- Gain knowledge of Watson IoT Platform
- Connecting IoT devices to the Watson IoT platform and exchanging the sensor data.
- Explore Python Client libraries of Watson IoT Platform
- Explore Python library for integrating OpenCV for accessing the Video Input.
- Explore Python Libraries to implement recognition techniques of the Input.
- Gain knowledge of creating devices and platforms using IBM Watson IoT Platform.
- Gain knowledge of web application development through node-red.

