**Capstone Project Title:** Dhaka Traffic Detection

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**Short Summary: -**

Dhaka, the capital city of Bangladesh is the most densely populated city in the whole world. The populations of Bangladesh are increasing every day and mainly Dhaka is affected by a huge amount of traffic jams. The traffic jam of Dhaka is very complicated and it is a new complex challenge in terms of automated traffic detection. This problem can be solved using Artificial Intelligence-based technology. The detection of an object is associated with computer vision. It describes a system that can detect the location of the desired object in an image. Computer vision works with digital images and videos to understand the contents or objects presented in the images or videos. The rectangular or square bounding box can be used to detect and count vehicles from the images or videos according to vehicle categories by estimated distance from the video recording of closed-circuit television (CCTV) camera. On the other hand, if the vehicles on the road can be counted, it will be very beneficial for maintaining many systems such as managing traffic, controlling traffic and also a better parking management system can be made. A strong dataset of images needs to be created for this.