



STEVENS
INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY

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Request for Special Problems Course

Submission of this completed form constitutes an enrollment form for a Special Problems course.

Student Name: Neel Haria Student Identification No.: 10446034

Term: ☒ Fall ☐ Winter ☐ Spring ☐ Summer I ☐ Summer II ☐ Year

Year: 20²⁰

Course Number (include subject prefix): CPE-800 Credits: 3.0

Title of Problem: Object detection and Recognition using OpenCV for applications in transport.

Brief description of the Problem: Object detection and classification for segmentation of Vehicles into different classes using OpenCV.

The purpose of this project is to use Computer Vision for classification of Vehicles into Car, Truck and bikes. This can help in lane assignment and reduction in traffic.

Describe how this project will contribute to your educational development: By using Computer Vision and image processing, I will be able to learn more about concepts like background elimination, feature extraction etc.

Rubric for Grading (Instructor): Plesae refer to the attached syllabus.

Approval Signatures:

Neel Haria 08/28/20
STUDENT DATE

Min Song 8/28/2020
INSTRUCTOR (Print and Sign) DATE

Min Song 8/28/2020
DEPARTMENT DIRECTOR DATE

DEAN OF GRADUATE ACADEMICS (Not needed for SYS and FE Special Problems) DATE

REGISTRAR DATE