

**University of Science and Technology at Zewail City**

**Machine Learning Project Proposal**

**Image classification**

Submitted to

**Dr. Mohamed Elshenawy**

From:

**Mai Tarek 201401578**

**Shrouk Shalaby 201400455**

**Yomna Shreif 201401302**

**Project objectives and problem formulation**

The main objective is Image classification of eight classes which are cars, busses, dogs, cats, traffic signs,humans,bicycles and motorcycle.

This classification is considered a base on which we can build on an autonomous car and comprises the most general objects found on the street.

**Description of the dataset**

Our dataset consists of images in each class mentioned above

**Methods and procedures**

* Convolution Neural Network

**Challenges and Limitations**

* Processing Time will be very large
* Datasets are very large in size