Laboratory work №2. Image descriptors

The task is to build the classifier for vehicles images recognizing using image descriptors. There is three classes of objects to recognize: personal transport, ambulance, police cars.

1. Use libraries to extract image descriptors (for ex., GIST)

2. Use Pickle module to load dataset. Select the necessary amount of data for learning (~200-100 for each class).

3. [suggested to] Use dimension reduction methods (at least 2, see presentation Dimensionality)

4. Classify images using ML techniques (at least 2). Please don't use neural nets.

Please find the suggested dataset here https://yadi.sk/d/6xYL8gpg3UypUK. Feel free to use any programming language, but Python is recommended.