**DATASET**

Our data set is consisting of total 2518 RGB images for both training and testing with JPG format. We hand collected our dataset as well as used an existing dataset from kaggle. We have taken images from different angles and lights so that our machine can learn variation of dataset. We have taken images from different angles and lights so that our machine can learn variation of dataset. Our collected dataset were much higher dimension images so we re-sized those images into 512\*384 pixels so that our training model can run without error. We have used resizeimage.net for resizing images. Our images are labelled by labelImg application for supervised learning into four classes (paper, plastic, glass, matel). After la-belling, our data is ready to train and test. We have maintained the ratio of 80:20 for training and testing purpose.

**Kaggle dataset link:**

<https://www.kaggle.com/asdasdasasdas/garbage-classification>