

### **About**

This assignment is a part of evaluation process for candidates who applied for a role at our organization.

### **Data**

You are being provided with the required information in folder 'dataset'.

### **Background**

The dataset comprises of images of different geometries categorized into 4 classes. We need to perform image classification on it.

### **Problem**

You need to implement from scratch in TensorFlow or Keras.

You need to perform image classification on the given images and categorize them into the given categories.

Data – This data consists of two parts. Train : ~200 images and Test : ~50 images.

### **Submission**

Develop the code as optimized as possible including comments at each stage.  
Also print the resulting output at each stage above.

### **Evaluation**

You need to achieve an accuracy of at least 90% to be able to qualify you.