STEP 1: Ensemble the clustering probabilities , normalize them.

STEP 2: Output of the Ensembled Probablities is used to assign cluster labels to each point

STEP 3: These Cluster labels are evaluated such that inside each Cluster the point are shifted by a metric [P/D (P = Probability of the point belonging to that cluster ; D = Distance from Cluster center)]

STEP 4: STEPS 1 to 3 are repeated for 20 iterations for the 10 Classes.

STEP 5: Each Silhouette Score is stored for each Class and Since no. of clusters is 2 so the one with fewer data points are outliers.

STEP 6: The Maximum Silhouette score for each Class is chosen and it’s minimum cluster is assigned as Outlier class.

STEP 7: These Images are recorded and stored in a CSV file.