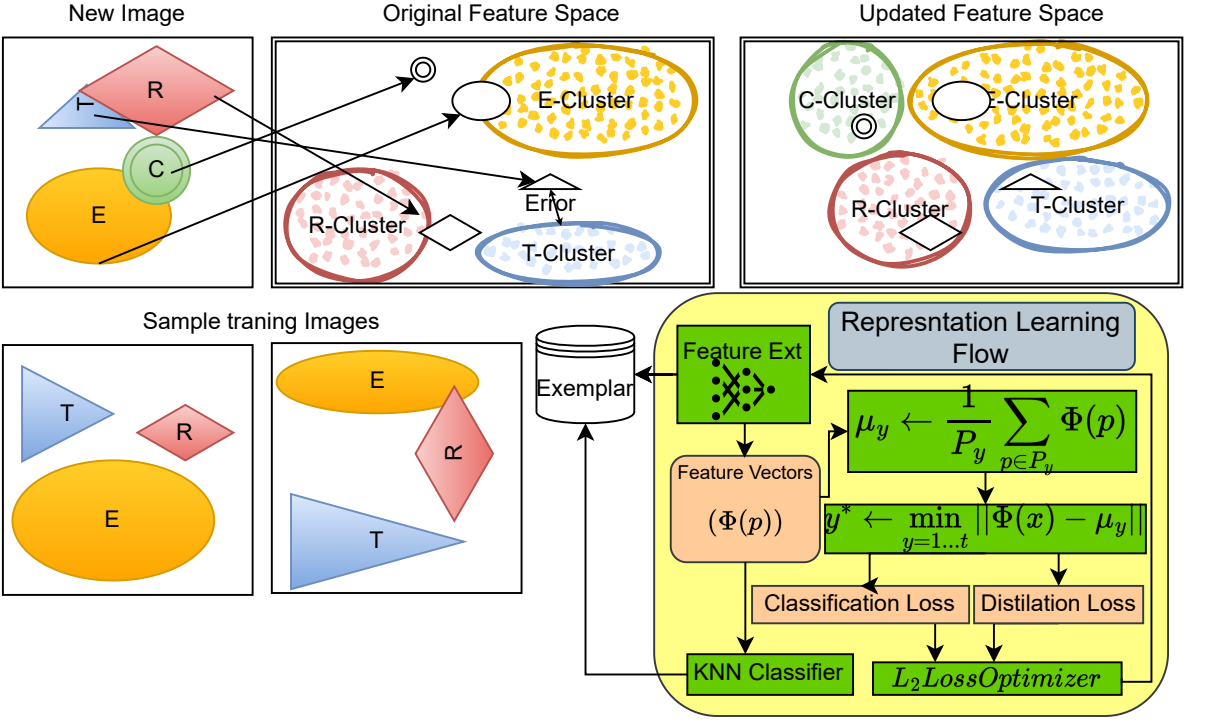
New Image
Original Feature Space
Updated Feature Space
R
T
C
E
E-Cluster
Error
R-Cluster
T-Cluster
C-Cluster
E-Cluster
R-Cluster
T-Cluster
Sample traning Images
T
R
E
E
R
T
Exemplar
Feature Ext
Represntation Learning Flow
$\mu_y \leftarrow \frac{1}{P_y} \sum_{p \in P_y} \Phi(p)$
Feature Vectors
$(\Phi(p))$
$y^* \leftarrow \min_{y=1...t} ||\Phi(x) - \mu_y||$
Classification Loss
Distilation Loss
KNN Classifier
$L_2 Loss Optimizer$