*Assignment 5*

*Variational Autoencoder (VAE)*

*Train a VAE model (the encoder, decoder and VAE) with MNIST handwritten dataset using K-L divergence and J-S divergence as components in the loss function and adam as optimizer. After latent space is created generate MNIST digits by sampling the latent vector from a Gaussian distribution with mean = 0 and std = 1.*

*Note down the training parameters in both the cases separately and explain your observation regarding the generator outcome in both the cases.*

**Dead line: 30-10-2019**