**Questions for Assignemnt2**

**Exam Date: 27.9.2023 1pm to 3.30pm (During Mini project Lab)**

1. Illustrate with an example how recurrent neural networks can be considered as a directed graphical model?

2. Why do you consider recurrent neural network? Also, explain what problems are normal CNNs good at?

3. Illustrate a situation in which PCA fails to optimally transform the data for dimensionality reduction.

4. Descibe about sparsity in autoencoders.

**Need to prepare Lab tasks on**

1. Task on CNN grayscale images

2. Task on CNN color images

3. Task on PCA

4.Task on Autoencoder