

Topics:

- Linear Algebra: Matrix Factorization : SVD
- Spatial Filtering
- Image Segmentation
- Texture Analysis

References:

- Linear Algebra: Linear Algebra and its Applications, Fourth Ed. Gilbert Strang, Appendix A
- R.C. Gonzalez and R.E. Woods, Digital Image Processing, Addison-Wesley, 1992. Chapter: 3, 10
- Lecture Slides on Image segmentation, Texture analysis using Gabor filter.