Gray Level Co-Occurence Matrix presented by R.M.Haralick is used here to perform texture analysis of Synthetic Aperture Radar images.

The program(Glcm\_f.m) written by Avinash Uppuluri

(http://www.mathworks.com/matlabcentral/fileexchange/22187-glcm-texture-features) was used to extract multiple features from the GLCM matrix.

5 features with maximum information gain were selected and provided as input to the various classifiers to study their outputs. A search for the best combination of window sizes, quantization, angles and spatial displacement was carried out to obtain the optimum output.

Algorithm:

