**Objectives of the Research Work:**

a) To perform noise removal and filter the digital image of breast cancer to obtain sharpen image.

b) To perform classification of tissues by applying trained algorithm and obtain the Region of interest.

c) To perform segmentation of tissues using developed computer-aided diagnostic techniques for detection and classification of breast tumour.

d) To extract the region of interest and classification of tissues by means of their density and identify the ratio of existence.

e) To perform feature extraction and classify the normal, benign and malignant tumours.

f) To measure Texture of tissues using Entropy.