2.1 Literature Review

1. Breast cancer remains to be the outmost identified cancer in the whole universe and is the prime source of cancer demise amid women (M.elsayad, Alaa., and H. A. Elsalamony)

2. Have comparative study of fuzzy classification methods on Breast Cancer Data. There are 9 attributes which are primarily used to classify the breast cancer as either benign or malignant based on cell description gathered by microscopic examination. These are: 1. Clump Thickness 2. Uniformity of Cell Size 3. Uniformity of Cell Shape 4. Marginal Adhesion 5. Single Epithelial Cell Size 6. Bare Nuclei 7. Bland Chromatic 8. Normal Nucleoli and 9. Mitoses. (Garg.)

3. To predict breast cancer comparative analysis was done by using neural network, decision tree, genetic algorithm and logistic regression(Chang PW, Liou MD)

4. It has been observed that Simple logistic regression achieves high accuracy to predict class or type of cancer to which Cancer patients belong to. (Sultana, Jabeen)

2.2 Literature Gap

1, Correlations analysis has been introduced in our research, which was not mentioned in previous literatures.

2. Compared to previous researchers, we have employed feature reduction technology which will help to generate a minimal but accurate prediction model