**CHAPTER 3**

**PROBLEM STATEMENT**

Blood cell counting is usually done manually but a recent study showed that this process can be done through Circular Hough Transform in a microscopic blood cell images.

This process presented an accuracy rate of 96% compared with traditional manual counting. Traditional blood cell counting is a long process and contributes some inaccuracy.

If more accuracy in blood cell counting would like to obtain, an expensive haematological analysing machine is needed. Hence, a study about microscopic images of blood stained peripheral blood film for leukaemia and normal condition was presented.

The method in counting and classification of blood cells was also introduced using Artificial Neural Network (ANN).

**DISADVANTAGES:**

* Prediction is less.
* Accuracy is low.
* Not proper results obtained