CHAPTER 7

CONCLUSION AND FUTURE WORK

7.1 CONCLUSION

WBC classification is achieved by Relevance Vector Machine. These are all done and they are evaluated in MATLAB using blood Cells Images. From the Comparison Table it is clearly observed that the proposed method of RVM gives the best result in WBC classification than SVM method. Thus this technique can be used for successful segmentation and classification of WBC.

An effective segmentation algorithm for white blood cell image segmentation was used. The diagnosing of WBC becomes vital process today. White blood cell images are segmented by using different clustering techniques such as K-Means, fuzzy K-Means, moving K-Means and adaptive fuzzy moving K-Means. Among these clustering techniques, adaptive fuzzy moving K-Means algorithm is less sensitive to noise and initialization process. The processing time of adaptive fuzzy moving K-Means is less when compared with moving K-Means algorithm. From the result the efficient result in reduced time is achieved by Modified FPCM technique which is shown in experimental results. Thus this technique can be used for successful segmentation of WBC.