**LITERATURE CITED**

[1] D.J Weatherall, J.B Clegg, ["Inherited haemoglobin disorders: an increasing global health problem"](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2566499) Bull. World Health Organ. **79**: 704–12, 2001

[2] N Awasthy, K. C. Aggarwal, P. C.  Goyal,M.S  Prasad, M. Sharma, “Sickle cell disease: Experience of a tertiary care center in a nonendemic area” Ann Trop Med Public Health, 2008.

[3] P. Rakshita, K. Bhowmikb, “Detection of Abnormal Findings in Human RBC in Diagnosing Sickle Cell Anaemia Using Image Processing”, International Conference on Computational Intelligence: Modeling, Techniques and Applications, Elsevier, 2013

[4] N. S. Aruna, S. Hariharan, “Edge Detection of Sickle Cells in Red Blood Cells”, International Journal of Computer Science and Information Technologies, Vol. 5 (3) 4140-4144, 2014.

[5] S. S. Barpanda, “Use of Image Processing Techniques to Automatically Diagnose Sickle-Cell Anemia Present in Red Blood Cells Smear”, NIIT Rourkela, 2013.

[6] NCMH Background Papers—Burden of Disease in India (New Delhi, India), September 2005, Ministry of Health & Family Welfare, Nirman Bhawan, Maulana Azad Road, New Delhi 110011, India.

**ACKNOWLEDGMENT**

I take this opportunity to thank all those who have been associated with my project. I would like to thank all my professors of Computer Department, at St. Francis Institute of Technology, for their support through provoking-discussions which helped me to come up with the idea of this project. I thank **Ms. Dakshata Panchal**, my internal guide, for her continuous support and guidance, for sharing her experience and knowledge, to ensure timely completion of my project work. I express my sincere gratitude to head of the department (Computer), **Ms. Bidisha Roy**, for giving me the opportunity to undertake this project. I would also thank **Ms. Vincy Joseph** and **Ms. Pradnya Rane** for guiding me throughout the course of the project work. The timely completion of my project report was done because of their constant supervision, cooperation and guidance. Lastly, I thank my fellow students who have contributed to my project in various ways.