ACKNOWLEDGEMENTS

I address my sincere gratitude to the Almighty for the inspiration and stamina generated within me to undertake the challenge and complete this assignment.

I am indebted to my supervisor, Dr. Bipul Syam Purkayastha for his immense contribution in my whole PhD work and express my sincere thanks and gratitude to him. He, as my guide, provided me constant encouragement and support through inspirations and suggestions. I am also thankful to Prof. D. Biswas, Dean, School of Physical Sciences, Mr. P. K. Deva Sarma, Head, Department of Computer Science and to Dr. (Mrs.) Shahin Ara Begum, Reader, Department of Computer Science, for their valuable support and suggestions. I am grateful to Prof. T. Bhattacharjee, Hon’ble Vice Chancellor, Assam University Silchar for his inspiring advices. I also express my sincere thanks to all my teachers, staff members and all of them who helped me directly or indirectly to accomplish my research work.

I convey my sincere gratitude to Prof. Pushpak Bhattacharyya of IIT Bombay for his precious help and encouragement. He helped me a lot in understanding the importance of WordNet and its use in text clustering.

I am very thankful to the editors of ICFAI Journal of Information Technology, and AUIJST Journal for publication of my research papers in their esteemed Journals. I am also thankful to the editors’ committee of IEEE Advanced Computing Conference 2009, of Global WordNet Conference, 2010 and of National Conference on Current Trends in Computer Science 2010, for publication of my research papers in their esteemed conference proceedings.

I must thank Mr. Prodipto Das, Assistant Professor, Department of Computer Science, Assam University Silchar and my co-researcher, for his valuable suggestions and help.

Last but not the least; I would like to express my gratefulness to my family members especially to my beloved parents Shri Anil Kumar Chakrabarty and Smt. Anita Chakrabarty, who have given me all the support, opportunity and encouragement in completing the work. I also thank my two sisters Miss Madhuchanda and Miss Maitreyee for their continuous support, care and encouragement.

Date: 27-7-2010

Alok Chakrabarty