**Acknowledgements**

The author bends his heads to the Almighty who is omnipotent, omniscient and omnipresent for His endless blessing to conduct this research work for the fulfillment of the requirement for the degree of Doctor of Veterinary Medicine (DVM).

The author desires to express his earnest gratefulness and profound appreciation to the following persons for the accomplishment of this dissertation.

The author convening his gratitude and great appreciation to the venerable internship supervisor and Director of External Affairs **Dr. Bibek Chandra Sutradhar**, Associate Professor, Department ofMedicine and Surgery, Faculty of Veterinary Medicine for his valuable guidance, suggestion, supervision and encouragements during the entire period of this study to complete this report.

I take the opportunities to express my deepest sense of respect and appreciations to the honorable **Professor** **Dr. A. S. Mahfujul Bari**, Vice-Chancellor and Professor **Dr. Md. Kabirul Islam Khan**, Dean, Faculty of Veterinary Medicine, Chittagong Veterinary and Animal Sciences University.

Last but not least, the author is profoundly grateful to all of his well wishers, roommates and close friends for their encouragements and inspiration during the study period and preparation of this report at this level.

**The Author**

i