

Acknowledgements

With extreme honour and warm feelings, I place on record my heartfelt gratitude and reverence to my Professor, Guide and Mentor Dr. N. V. Subba Reddy for suggesting me the task of my research work. My research supervisor Dr. N. V. Subba Reddy introduced me to the subject and took me along. I do not know how to express my gratitude. I can only say that I thank him. His invaluable patience, guidance and constant encouragement were instrumental for success of this venture and it was my privilege to have worked under him. It is his keen interest and constant monitoring of the progress of the work that led to the successful completion of the research work in time.

I thank honourable Vice Chancellor, Professor K. Chidananda Gowda who was first to appreciate the whole idea and thus building the huge confidence in myself to start this research work.

I thank the Vice Chancellor, Kuvempu University and the Registrar, Kuvempu University for providing me the opportunity to carry out this research work at University Research Centre, U. B. D. T. College of Engineering, Davangere.

I am indebted to the Principal, Prof. G. P. Prabhukumar, for providing me encouragement and all the facilities, during my research work.

Words are inadequate to express my gratitude to my parents who have been pillars of strength. Without their moral support and encouragement this work would have remained incomplete.

A special mention is deserved to my wife and children for their patience and encouragement throughout the work. I thank all my colleagues of Computer Science and Engineering Department, for their kind co-operation during my research work. There have been many other people who have helped me at different stages of my research work. All the same their services are highly regarded.