

ACKNOWLEDGEMENTS

I express my deepest gratitude to my Research Supervisor Dr.G.Ramakrishna, Professor, Department of CSE, for his continuous guidance, encouragement and support throughout my research. His positive outlook and confidence in my research inspired me. Without his continuous support and guidance, the thesis work may not be produced.

I would like to express my sincere gratitude to Er. Koneru Satyanarayana garu Hon'ble President, K L E F, Dr. S. S Mantha, Chancellor, K L E F, Dr. L.S.S. Reddy, Vice-Chancellor, K L E F, Dr. Y.V.S.S.S.V. Prasada Rao, Registrar, K L E F for continuous encouragement and providing facilities to conduct my research work.

I would like to express my sincere thanks to Dr. B. Jaya Kumar Singh, Dean (R&D), Dr. B.T.P Madhav, Assoc. Dean (R&D), K L E F for their support throughout the research work.

I express my deep felt gratitude for Dr. K. Tirupathi Rao, BOS Chair Person and Mr. Hari Kiran Vege Head of the Department of Computer Science and Engineering, K L E F for their encouragement and guidance during the course of this work.

I express my sincere thanks to Dr. M. R. Narasinga rao, and Dr. G. Pradeepini, RPAC Chairmans of CSE for their continuous and kind support. I extend my gratitude my Doctoral Committee members Dr.B. Vijaya Babu, Dr. P.V.R.D Prasad Rao and Dr. Pragnyaban Mishra, K L E F for their able guidance and constant support throughout my research work. I acknowledge with gratitude the cooperation extended to me by all the faculty and staff of the department of CSE, K L E F.

I would like to thank my Parents Sri Y. Purnachandra Rao and Smt. Y. Ramadevi, and My Mother-in-law Smt. T. Murali Kumari and my sisters and brother and all my family members for their continuous support throughout the research work.

I express my deep sense of love to my wife Smt. Sada Siva Kumari T and my lovely cute children Gayathri and Bhavya sree whose support is immeasurable in successful completion of my work.

Y.Anantha Siva Prasad