ACKNOWLEDGEMENT

This research work has attained a successfully completed stage only by the God’s blessing and constant support of number of people. I would like to express my sincere gratitude to them for their spontaneous help and encouragement.

I am eternally indebted to my supervisor Dr. S. PANNIRSELVAM, M.Sc., M.Phil., Ph.D. Associate Professor and Head, Department of Computer Science, Erode Arts and Science College (Autonomous), Erode, for providing me the opportunity to work on the area of Image Segmentation. Throughout the entire project period his depth of knowledge on the topic, suggestions for continuous improvement, encouragement and supervision helped me to conduct this research work productively. Besides, he has been very concerned on the research progress, which has made this research as a successful one.

I express my sincere and hearty thanks to Thiru. S. D. CHANDRASEKAR, Secretary and Correspondent, Velalar Educational Trust, Erode for his support rendered to me in carrying out this research work.

Words are beyond expressions to offer my heart full thanks to my well wisher Mr. P. NAVANEETHAM, Associate Professor and Head, Department of Computer Applications, Velalar College
of Engineering and Technology, Erode for his constant support and encouragement to carry throughout this work.

I would also like to thank Mr. P. RAJAN for helping me out during the entire research period with various resources, constructive suggestions and ideas which helped me in a number of ways.

I want to express my honest appreciations to Mr. S. PRASATH helped me time to time and providing required research related information’s. I appreciate his precious time, assistance and moral support.

I am indebted to Mrs. K. RATHI, Assistant Professor, Department of Mathematics, Velalar College of Engineering and Technology, Erode for the assistance to the Mathematical implementations of the research work.

I wish to place on record my heartiest gratitude to Mr. T. BALAKUMARAN, Associate Professor, Department of ECE, Coimbatore Institute of Technology, Coimbatore, for his assistance in MATLAB implementations of the research work.

I am very much thankful to Mrs. V. SUGUNA, Assistant Professor in English, Velalar College of Engineering and Technology, Erode for her tireless help in English correction and proof reading of my research work.
A special thank to Mrs. G. VELMAYIL and Mrs. S. RIZWANA Research Scholars for always having time for discussions and cooperation at various stages for my research

Although I did not mention in the first place, I would like to express the most gratitude to my PARENTS, wife Ms. M.SIVASAKTHI, my kids K.A.DHAANYA and S.A.PUJAA and all my family members for believing in me and inspiring me during the research duration.

I also wish to take this opportunity to express my thanks and gratitude to all the well wishers who have helped me in various ways in completing the Research Work.

K.R. Ananth