ACKNOWLEDGEMENTS

This thesis is the end of my journey in obtaining my Ph. D. degree. I have not travelled in an empty space. This thesis has been on track and has been seen through to completion with the support and encouragement of numerous people around me including my supervisor, teachers, friends, well-wishers and my family members. I would like to thank all those people who made this possible and an unforgettable experience.

This would not have been possible without the inspiration, support and patience of my supervisor Dr. Jyotsna Kumar Mandal, Professor, Department of Computer Science and Engineering, University of Kalyani, Kalyani, India. I not only salute his knowledge in the domain of image coding and document authentication but I am also indebted to him for his continuous encouragement, motivation and all kind of helps.

This gives me great pleasure to express my gratitude to all teachers, research scholars and staff members of the Department of Computer Science and Engineering, University of Kalyani, West Bengal, India, who helped me time to time in many ways during the period of my research work.

I would also like to pay high regards to Mrs. Shyamali Mandal wife of my supervisor and Dr. Sawpan Kumar Mondal, Head and Professor, Department of Computer Science and Engineering, Kalyani Government Engineering College, West Bengal, India, for their immense moral support.

Last but not least I would like to pay high regards to my parents Mr. Prasanta Kumar Sengupta and Mrs. Anjana Sengupta, without their blessings and love I could not have completed this dissertation. Words are short to express my deep sense of love and thankfulness towards them.

...........................................
(Madhumita Sengupta)
Department of Computer Science and Engineering
University of Kalyani, Kalyani, Nadia, West Bengal, India