

A C K N O W L E D G E M E N T

I take this opportunity to acknowledge my profound indebtedness and extend my deep sense of gratitude to Prof. K.L. Narayana, for his valuable guidance, meticulous supervision and persistent encouragement that has led to the successful completion of this work.

I am very much grateful to my parents and Mr. Sruyawanshi L.P, Manager, Krishna Dairy, Wai for their constant moral support and encouragement at all the times.

I am grateful to Dr. R.K. Puri, head of the USIC department and Prof. S.H. Pawar, Head of the Physics Department for making all the departmental facilities available to me during my work.

I am also thankful to Dr. R.N. Patil, former head of Physics Department and to Dr. A.V. Rao. for their timely suggestions during the work.

I am thankful to the Shri. R.N. Patil, Principal, Balasaheb Desai College, Patan for his constant encouragement.

I express my sincere thanks to my colleagues, Mr. Pratap Wagh, Mr. Rajpure, Mr. D. Harinath, Mr. M.D. Jadhav, Mr. R.K. Nimat for their co-operation and constant help.

I am indebted to all my friends who have directly or indirectly helped me during the completion of this work.

KOLHAPUR

R.T. SAPKAL