

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

This work could not have been possible without continued interest and stimulation provided by Dr. S.R. Sawant, Lecturer in Electronics, Department of Physics, Shivaji University, Kolhapur. His ideas and encouragement paved the direction to the work reported here. I shall remain ever grateful to him.

My sincere thanks are due to Prof. R.N.Patil, Head, University Department of Physics and Electronics, for allowing me to avail myself of the laboratory facilities and for providing me the necessary encouragement.

I have been benefitted to a great extent by the valuable suggestion by Dr. S.A. Patil, a colleague of my guide. I thank him sincerely. I shall fail in my duties if I do not acknowledge the help and encouragement I received from Mr. S.S. Suryavanshi, Mr. S.R.Jadhav, Mr. R.S. Patil, the research fellows working under my guide.

My sincere thanks are due to Prof.R.G.Kulkarni,Head, Department of Physics, Sourashtra University, Rajkot (Gujrat) for allowing me to perform the experimental work on susceptibility and magnetisation.

It is the policy of the authorities of SCS College, Omerga, Dist. Osmanabad to extend all possible support to those who wish to improve their qualifications. They favoured me also. I express my deep and profound sense of gratitude to Shri. Sridharraoanna More the President of Bharat Shikshan Sanstha and Principal N.S. Musande for sanctioning my one year study leave for this work.

I shall be failing in my duty if I do not mention the encouragement and help that I received from Shri.P.C. Choudhari, Dr. S.A. Wadikar, Dr.S.R.Ingale, Dr.S.B. Jogdand and Mr. A.V. Ingale.

I appreciate the assistance of Shri. Ravan for the fine tracing work and Mr. Kumbhar for excellent typing.

Lastly I would like to express my thanks to the University authorities for providing me facilities.

KOLHAPUR

DATE : 3-8-88


(Mr. D.S. BIRAJDAR.)