

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

It gives me a great pleasure to express my gratitude to my research guide **Dr.S.R.Sawant,** who met me like an oasis. He has put in exemplary inspiration and guidance without which this work would have not taken the present shape. Working with him has been a great pleasure which was not at all spoiled by customary formalities and unnecessary fuss about rules and regulations.

The completion of work was possible in a year's time due to courtesy of U.G.C. that awarded me teacher fellowship and supported during the course. Thanks are due, to **The U.G.C., New Delhi.**

I am sincerely thank **Prin. A. G. Salunkhe,** Secretary, Swami Vivekanand Shikshan Sanstha, Kolhapur, for seeing me through barriers at the administrative level.

I express my gratitude towards **Prin. D. A. Patil,** Principal, Vivekanand College, Kolhapur for his confidence in me and for moral courage he gave right from the beginning.

My thanks are due to **Dr. K. L. Narayana,** Prof. and Head, Department of Physics, Shivaji University, Kolhapur, for extending the facilities and making official formalities less tedious.

I also thank **Prof. R. N. Patil,** for his " lively " guidance in theory session all the time in the world.

I am also thankful to all my **colleagues** and **friends** who always appreciated even the smallest achievement on my part and cheered up to get going enthusiastically.

I appreciate **Mr. Rajanish Kamat**, the past student who returned more than I could give him. I also offer friendly thanks to **Mr. Khanale, Mr. Killedar, Mr. Choudhari** my co-workers for creating " **Computrisied Environment** " in which I could implement my ideas.

I am indeed thankful to **Mrs. K.S. Sawant** for a hot & steaming cup of tea in every visit to their home.

I take this opportunity to express my gratitude towards my **Father, Sisters, Maternal Uncle and other family members**, and all my **teachers** who groomed me to rise to such a status.

I thanks to all **teaching and non teaching staff** of Department of Physics, **Vivekanand College**, and **Shivaji University, Kolhapur**.

I offer special thanks to **Mr. M. P. Ghotule & team** for neat and presentable typing and printing.

My thanks also go to the **authors of references** made, through whom I could learn the " **art of transformer design on computer.**"

Finally I appreciate **Mrs. Kadambari Mudholkar** for **wifely** patience and affording me all services during tight schedule . My daughter **Chi. Rachana** and Son **Chi. Manik** must excuse me for the utilising their share of my time throughout the course.

Date: -09-1995.

Ravindra Mudholkar

Place:Kolhapur.