ACKNOWLEDGEMENT

It would have been an aimless search in the multitude of uncertainties, but for the timely help of lot of people who by and large showed me the proper direction and aim to achieve. So it is not the customary of thanking but deep gratitude which comes from the heart.

I am deeply indebted to my guide Dr. Bharatsingh H Pawar, Department of Physics, J E S College, Jalna for his timely guidance and moral encouragement. I have no words to express adequately my debt of gratitude to him. I indeed feel proud of the opportunity to do research under him and has an enlightening and enriching experience. I am greatly indebted to him and desire to remain so throughout my life.

I express my deep sense of gratitude to Shri G R Sikchi, Principal, J E S College, Jalna for consistent encouragement during my research work.

I am very much thankful to Dr. R G Agrawal, Principal, J E S College, Jalna for his affectionable help in the academic pursuit.

I would like to express my thanks to Prof. K R Patil, Head of Department of Physics, J E S College, Jalna for inspiring me and supporting during my research work.

I sincerely thank to Shri S J Lahoti,
Bhandari, Dr. L D Nehate, Shri S K Popalghat, Shri R S Agrawal and all other colleagues of Department of Physics and Electronics of my Institute for giving moral support to complete my research work.

I am also thankful to my research colleagues Shri D P Garud, Shri S V Sonar, Shri B G Chavan, Shri M D Shirsat and Shri A S Tak for their affectionable help in my research work.

I am also thankful to my friends Shri R R Rathi, Shri J D Kabra, Shri S M Chordiya and others for moral encouragement.

I express my feelings of devotion and gratitude to my Parents, Jijaji, Sister, Brother Mukesh and relatives who have been a constant source of strength and inspiration for carrying out and completing this work.

Beside this, I am also thankful to all the members of Jalna Education Society for their kind co-operation.