ACKNOWLEDGEMENT

During this project, I got help, advises, suggestions and co-operation from many people. Some influenced me, some just stood by me, some inspired me and some helped me to go one.

First and foremost thanks are due to my supervisor Dr. R.A. Singh and co-supervisor Dr. Mohan Tiwari, Department of Physics & Electronics, Dr. Hari Singh Gour Vishwavidyalaya, Sagar (M.P.) for dynamic assistance and patience. He was always accessible and cherish the amount of freedom I enjoyed while doing the project under their supervision. It is his deeper vision to rectify the inevitable intricacies, which led his to successful completion of the present task.

I owe my heartfelt gratitude to Prof. R.S. Kasana, Head, Department of Physics (inspiring personality) for always lending a good ear to most of my problems and providing the necessary facilities to carry out the project.

I thank all the teaching staff of the Department for the timely help, wherever needed. I run short of words when it comes to thank Prof. M.S. Tiwari, Prof. R. Nath & Dr. R.K. Pandey, Department of Physics & Electronics, Dr. Hari Singh Gour Vishwavidyalaya, Sagar (M.P), who instilled the research zeal in me.

I will be failing in my duties if I do not place on record my appreciation's to Mr. Basir Khan, Mr. Rakesh Bhatia & Mr. Vijay Tamrakar and all non-teaching staff of the Department of Physics & Electronics who always extended a helping hand whenever needed. I am also grateful to colleague and friends for their valuable support.
Lastly, but not in that order, I owe my deep gratitude to my beloved mother Mrs. Rewati Dubey, for their silent, consistent and strong support in bringing this venture to this stage.

Words are not enough to mention the co-operation received from my wife, Mrs. Suman Dubey & son Master Harshit Dubey during my stay away from them for the project work.

( Rajesh Kumar Dubey )