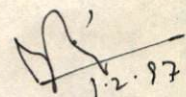


DEDICATION

With deep sense of respect I dedicate my present work to my reverend maternal grand parents whose blessings, have always been with me in course of achieving my objective in life.

My worshipping maternal grand father, Late Sri RAGHUNATH SARAN SINGH, M.A.,C.T, Retired Head Master, Baldeo High School Kaupa, Rohtas, was also my esteemed teacher during my school days way back in 1970's. Unfortunately, he has left for his heavenly abode. He was known for his devotion to the cause of education and held in great affection by his pupils. As a matter of fact, his able tutelage, scintillating and inspiring guidance and stimulating criticism ensured the smooth sailing of my academic career.

To him I owe whatever little, I have in the name of knowledge dealing in scientific problems. Indeed I shall never be able to find out words expressing my indebtedness to him and also to my affectionate maternal grand mother Late Smt. L.R.Singh, who was a symbol of duty, benevolence and holiness.



(YASHWANT SINGH)