ACKNOWLEDGEMENT

First of all I want to owe my head in front of the Ultimate and Supreme Power for his grace and providing me opportunity to carry out research so that I could make my dream come true. I am also indebted to my heavenly parents whose blessing remained with me even after they left this world which today took me from high school to doctoral degree. I wish to express my sincere regards and gratitude to my esteemed guide Dr. Gurmit Singh (Assistant professor, Malwa Central College of Education for Women, Ludhiana) for his immense knowledge, systematic organization, sustained motivation, positive personality, ever encouraging attitude, endless patience and untiring efforts. Sometimes we want to convey those feelings and show our gratitude but collections of thousands words are not sufficient to show the depth that one actually wants to convey. This is equally true when I want to write those words by which I could show my regards to my guide Dr. Gurmit Singh who acted as a mentor, role model, real source of inspiration to me at every step of research work. I am fortunate enough that I got opportunity to carry out my research work under him. Only because of his able guidance, I could complete this research work.

I express my heartfelt gratitude to Dr. Trilok Singh Bandhu, (Principal, Khalsa College of Education, Muktsar) without whose support this research work would not have been possible. I am also highly thankful to Sh. K.K. Bhatia (Retired Professor, Malwa Central College of Education for Women, Ludhiana) who always acted as a lamppost in my life.

I would like to express my thanks to all Experts especially to Md. Kusum Narula (Principal Govt. High School, Mundian Kalan, National Science Teacher Awardee) for her expert advice, constructive criticism and valuable suggestions. It’s my pleasure to thank my friends Sona Thakur and Reena Singla for their support during the work.

In my feelings of gratitude, I express my sincere thanks to all the Principals of government schools, teachers and students who had given their cooperation in carrying out research work and collection of data. I would like to thank Sh. S.K. Bhandari and members of administrative staff and Department of Education, Panjab University, Chandigarh for providing a platform to carry out research. It is my pleasure to thank to my family members and especially my sisters Rashmi and Rekha, who always hold my hands with warmth and unconditional care throughout this work. I would also like to...
thank my husband Sh. Tarun Batra for his constant motivation and encouragement. In the last but not least I would love to thank my son Prateek, whose little hands always helped me and whose personal time is utilized for carrying out research work. In the end I would like to thank all those, who at any step of research work helped me and made this work a success.

Jan 2015

(Jaya Chawla)