



ACKNOWLEDGEMENT

I owe heartfelt regards and profound gratitude's to Prof.(Dr) Someshwar S. Bhattacharya for infusing the very soul in my thesis through his invaluable supervision, guidance, encouragement and keen interest throughout this course of work.

I am deeply indebted to Prof. B.S.Parekh, Dean, Faculty of Technology and Engineering, M.S.University Of Baroda, Vadodara for extending his cooperation during course of this study.

I take this opportunity to thank to the Principal, MLV Textile and Engineering college, Bhilwara for extending the facility for testing.

I gratefully acknowledge the valuable suggestions of Dr.Prabal Roy, Textile Consultant and Dr.Deepak De. Retired Prof. & Ex. Dean Faculty of Tech. & Engg. & Ex Pro Vice Chancellor , M.S.University of Baroda, Vadodara.

I am highly thankful to Dr. Dharendra Sharma, Professor, MLV Textiles And Engineering college ,Bhilwara for his useful suggestions and kind cooperation.

I wish to acknowledge the kind cooperation provided by the staff of testing laboratory at Textile Engineering Department, Faculty of Technology and Engineering, M.S.University of Baroda.

Last but not least, I duly acknowledge the encouragement by my elder brother Sh. Samir Pal , Senior Scientist, Space Application Center, ISRO, Ahmedabad.

Sanat Kumar Pal.