

Acknowledgement

It is indeed true that accomplishment of any goal calls for hard work sincerity and dedication, but such an accomplishment of goal becomes achievable and falls within one's reach if one proceeds with proper method and right direction. This becomes accessible through proper guidance and supervision. Accomplishing a difficult task is wide-ranging and sometimes unanticipated difficulties may arise which might make one to lose courage and slacken dedication. Under such a kind of circumstances a person not only giving guidance but also giving encouragement and moral support is required to be at hand. I would like to record my gratitude to my guide **Dr. S. S. Bhattacharya**, Professor in Department of Textile Engineering, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, for his supervision, guidance and support from the early stage of this research as well as giving me extra ordinary throughout the work. His truly scientific knowledge has made him as a constant oasis of ideas and passions, which exceptionally inspire and enrich my growth as a student and researcher. Thank you sir you made me believe in myself.

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