

## ACKNOWLEDGEMENT

I wish to express my sincere thanks to **Dr. K. Balu**, Professor and Dean, Chemical Engineering, Sri Venkateswara College of Engineering, Sriperumbudur (Former Professor Anna University), for providing me with continuous motivation and excellent guidance for carrying out this work. This work could not have been a success without his mentoring and support.

I would like to thank my father **Mr. N. Rajamanickam**, My lovely Mother, my sisters, my brother and brother-in-law for their love and support, which has kept me going throughout these years.

My well wishers and the persons who helped me complete this work are many but they all remain incognito to whom my gratitude remains in my heart.

**AKILA R**