

## ACKNOWLEDGEMENTS

With great pleasure I express my deep gratitude and indebtedness to and everyone, who cooperated me and helped me with their valuable advice.

I am greatly indebted to my project supervisor and head of the department, Dr. J. Jhampati for his inspiring guidance, affection and care for me.

I express my sincere thanks and gratitude to my colleague and philosopher cum friend Prof. G.K.Panda, for his continuous encouragement and to provide the courage to admire the research area.

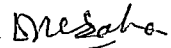
I express my sincere thanks and gratitude to my colleague and former head of the department Dr. S. Mal for his encouragement and providing all the facilities in the department.

I express my thanks to all of my colleagues in the department as well as the institution for helping me to carry out the work.

I express my sincere thanks to the Principal of this college for providing me the infrastructure of this college to carry out the work.

Acknowledgements is not completed if I do not mention the name of my family members for their mental support and encouragement.

Last but not the least, I acknowledge the help of all the persons who directly or indirectly encourage me for the completion of the work



(Pradip Kumar Saha)

Assistant Professor

Department of Electrical Engineering  
Jalpaiguri Government Engineering College  
Jalpaiguri- 725102 , West Bengal, India