

ACKNOWLEDGEMENTS

I would like to thank Prof. K K Shukla for his enthusiastic encouragement and guidance for the research work. His cooperation and generous support has been a guiding force for me. Thus I pay my earnest regards to Prof. K K Shukla for his valuable and constructive suggestions during better planning and development of the research work.

I thank my Research Program Committee and Department Research Committee for taking the time to provide useful technical insight. I am grateful to their valuable cooperation and motivations extended during the research work.

I am grateful to the administrative support of the Department of Computer Science and Engineering for providing the better facilities and very congenial environment. Thanks to my friends for your support and providing me better platform for discussion of my research problems.

I extend my special thanks to Mr. Ramesh Chand Pandey, Mr Santosh Kumar, Research Scholars, Department of Computer Science and Engineering, IIT (B.H.U.) and Arghya Chattopadhyay, Research Scholar, Institute of Agricultural Science, BHU for their needful support during the research work.

I would like to thank Ms. Mridula Verma, Research Scholar, Department of Computer Science and Engineering, IIT (B.H.U.) for her relevant support during the research work.

I would like to convey my special thanks to Ms. Sthiti Dasgupta and Ms. Aditi Mukherjee, Research Scholars, Faculty of Law, BHU for their invaluable support during the research work.

I would also like thank to Mr. Kshirod Chandra Sahoo, Institute of Agricultural Science, BHU for his timely and helpful assistance he provided during my study period at Indian Institute of Technology (Banaras Hindu University).

I would also like to thank Mr. Anand Kumar Singh, Section Officer, UGC-HRDC, BHU for his kind support he provided during my study period at Indian Institute of Technology (Banaras Hindu University).

And lastly, but most of all, I am immensely grateful to my Beloved Lord Sree Sree Thakur Anukulchandra, Acharyadev Sree Sree Dada and my Family for their blessings, love and elating support they provided during all the years of my study at Indian Institute of Technology (Banaras Hindu University).

Thanks to all of you!

- Jayadeep Pati