ACKNOWLEDGMENTS

I express my sincere thanks to my thesis supervisors **Dr. Nihal A Siddiqui** (Internal Guide), and **Dr. D Kanchan Bahukhandi** (Internal Co-Guide) and **Dr. R. K. Elangovan** (External Guide) for their guidance, encouragement and support throughout my work.

I am grateful to **Dr. S.M Tauseef**, **Dr. Srihari**, **Dr. Kamal Bansal** and other senior faculty members in UPES for their critical reviews on my research work at various stages.

I express my thanks to **Dr. S.P Sivaprakasam**, Assistant Professor, NIT for his support and guidance at consequence analysis and assessment of risk in various stages of my research work.

I express my thanks to **Dr. Swaminathan** former Director-Risk assessment cell, Regional Leather Research Institute for his support and guidance to identify the problems and support during my research work.

I express my thanks to **Dr. Ramaswamy, Scientific Advisor** and **Dr. Achuthan** Asst. Professor, Caledonian College of Engineering, Oman for their timely support and guidance at every stage of my research work

I express my sincere thanks to **Dr. Benny Joseph, Dr. Ayoob and Dr. Angayar Pavanasam** Head of HSE, Fire safety Engineering College, Sultanate of Oman for their continuous support and guidance during my research work.

I sincerely thanks to my close friends and college class mates Mr. Karthick, Mr. Gokul Suresh and Mr. Pradeep Kumar for their support and encouragement provided during my research work.

I express my thanks to professionals those who work along with me in Galfar Engineering and contracting SAOG and Mr. Karthik (Head-Risk), Mr. Azalakiri (Risk Analyst), and Mr. Charles Chinnappan (HSE Auditor & Systems at Qatar Petroleum) for their timely support and guidance during my research work.

I express my sincere thanks to my wife **S. Dhanalakshmi** for her patience and encouraging me all the tough time and provided support to achieving this significant work.

I sincerely thank my parents who support me in hard times during this tenure and provide love, blessing and support to my research work.

I also express thanks to all my friends and close family members for their cooperation and support during the course of my research work.

R.Tamil Selvan