ACKNOWLEDGEMENTS

It is a matter of great honour for me to present my thesis report on “Assessment of Impact of Vehicular Pollution on Ambient Air Quality: A Case Study of Gurgaon City”. First and foremost, I am profoundly grateful to my project guides Dr. Mukesh Saxena, Professor and Ex. HOD, Department of Mechanical Engineering, University of Petroleum and Energy Studies, Dehradun and Dr. Niraj Sharma, Scientist, Traffic Planning and Environment Division, Central Road Research Institute, New Delhi for their expert guidance and continuous encouragement during all stages of thesis. Their help in the form of valuable information and research thoughts at proper time has brought life in this thesis. I feel lucky to get an opportunity to work with them. I am thankful to the kindness and generosity shown by them towards me, as it helped me immensely in completing the project. I also wish to thank the entire faculty of Department of Mechanical Engineering, University of Petroleum and Energy Studies for their constant encouragement.

In particular, I owe my deepest regards and reverence to Dr. Mukesh Saxena Professor and Ex. HOD, Department of Mechanical Engineering, University of Petroleum and Energy Studies, Dehradun and Dr. Niraj Sharma, Scientist, Transportation Planning and Environment Division, Central Road Research Institute (CRRI) CSIR, New Delhi for their constant guidance and endless support, right from the development of the concept, setting framework for the approach adopted and to bring the study in its present form. They always provided me a genial atmosphere and gave me access to all possible resources. Both Dr. Mukesh Saxena and Dr. Niraj Sharma gave me the time and motivation required during various phases of my project work.

I also wish to express my heartfelt gratitude and appreciation to all the staff of the Department of Mechanical Engineering, University of Petroleum and Energy Studies, and Central Road Research Institute for their kind help and valuable assistance during the entire course of my project work.
I would like to express my thanks to my family members for their unconditional support and bearing with me through the course of my research. I am grateful for the blessings of my parents Mr. Tarif Singh Malik and my mother Mrs. Suman Malik. I would also like to mention my wife Dr. Anjali Malik who was a source of inspiration for me and my two children Pareesha and Shaurya who are my lifelines.

I am also thankful to all other friends and loved ones for their unconditional support and motivation during this research.

DEEPAK MALIK