ACKNOWLEDGEMENT

I would like to state that several persons at various levels have helped me to complete this work. Specifically, I would like record my gratitude to the persons named below, without whose constructive co-operation and assistance this work would not have been possible.

At the outset, I would like to state that my Ph.D. Guide Dr. U.B. Kakde has helped me considerably, during the various phases related to this work. Discussions with my guide, which were almost on a continuous basis, helped me to focus my efforts on the main issues involved in the study. His guidance and advice enabled me to complete this work, for which I would be expressing my thanks to him.

In the course of this project work, I had to attend JJTU in Rajasthan. Several of my Peers at the University, professors concerned and Administrative Staff helped me in the course of my lectures, education programmes and stay. I would like to thank all my peers in the University. Specifically, I would like to mention my Ph.D. Coordinator Dr. Mona Lisa, who has provided me continuous assistance and full support.

As far as my place of work is concerned, it would not be fair on my part if I do not thank my college Principal Dr. R. G. Atram for permitting me to carry on the research work and experimentation in our College Laboratory and permit me the use of library facilities. I would like to thank Mr. Mustafa (PhD. student) for assisting me in handling Spectrophotometer for analysis of Nitrates and Phosphates. I would also like to thank Ms. Aparna from Dept. of Botany for helping me in performing bacteriological and coliform analysis. It would also be unfair, if I do not express my gratitude and thanks to Mr. Sunil, Mr. Mane, and laboratory staff of our College for assisting me in collection of water samples from the pre-determined sampling stations. I am also thankful to the other laboratory staff for making available and arranging the various equipments required for this project work.

I would like to thank Dr. V.P. Narkhede Associate Professor in Statistics who helped me in performing the statistical analysis on data collected for different parameters.
I am also grateful to my daughter and husband whose continuous support and encouragement brought the project to this level.

It would also be unfair if I do not mention my parents, near relatives and colleagues for giving the necessary encouragement during the duration of this project.

Aarti Nagarsekar