ACKNOWLEDGEMENTS

The author wishes to express his deep sense of gratitude to Prof. M.L. Narasimham, Prof. in Civil Engg. (Retd.), AU College of Engineering, Visakapatnam for his guidance, inspiration and constant support throughout this research work.

The author is grateful to Prof. K.M. Lakshmana Rao, Prof. in Transportation Engineering, JNTUH College of Engineering, Hyderabad for his guidance, motivation and constant encouragement throughout this research work.

The author is thankful to Sri N.V. Ramana Rao, Principal, JNTUH College of Engineering, Hyderabad for all the support throughout this research work by providing the necessary infrastructure.

The author is thankful to Sri Ch.V.S. Baskara Sharma, Chief Planning Officer, Kurnool District for providing necessary data for the research work.

The author is also thankful to Dr. K. Mrityunjaya Reddy, Director General, AP Spatial Resource Application Centre, Hyderabad for providing satellite data for Kurnool District.

The author is thankful to Sri J. Venkatesh, Head of the Department, Centre for Spatial Technology, IST, JNTUH for providing laboratory facilities for carrying out GIS analysis in this research.

The author expresses his gratitude to Sri K. Raju, IAS, the then Principal Secretary, Rural Development and Sri K Dana Kishore, IAS, the then Collector and District Magistrate, Kurnool District for their help in providing data on Kurnool District.

The author is thankful to Sri K.V.S. Rajan I.Po.S., Chief Postmaster General, AP Circle, Department of Post, for his encouragement.

The author wishes to express his thanks to his wife and family members for their encouragement, inspiration and cooperation they have rendered throughout this research.

Last but not the least, the author is thankful to Sri V. Arunachalam and Sri S. Gopinath and all of my colleagues in the Department of Posts for their help and constant support.

M VENKATESWARLU