AKNOWLEDGEMENT

My heartily and sincere thanks goes to Honorable teacher and respectful guide **Prof. Dr. L. N. Katkar**, Head, Department of Mathematics, Shivaji University Kolhapur for his valuable guidance and helpful suggestions in the preparation of M. Phil dissertation entitled "ON THE PROPAGATION EQUATIONS OF ELECTRIC AND MAGNETIC PARTS OF WEYL TENSOR IN EINSTEIN-CARTAN THEORY OF GRAVITATION", without which it was impossible for me to complete the same to the satisfaction. I take this opportunity of acknowledging my sincere feeling for his valuable discussion and constant encouragement throughout this research work.

I also express my sincere thanks to Prof. Dr. M.S. Chaudhary, Prof. Dr. S.R. Chaudhary, Dr. S. H. Thakar, Prof. Dr. C. S. Manjrekar and other non teaching staff of Department for their kind cooperation.

I am much thankful to Librarian of Barr. Balasaheb Khardekar Library, Shivaji University Kolhapur for providing me the library and internet facilities during the research work.

My dream of research work comes true only due to inspiration of my everloving parents Mr. Sadashiv C. patil and Mrs. Alka S. Patil, who inspired me for higher studies.

I am also thankful to my research collogues.

Miss. Archana S. Patil (Research student)