

DECLARATION

I hereby declare that the work reported in this thesis is entirely original and was carried out by me independently in the Department of Physics at Acharya Nagarjuna University-Dr. M.R.A.R. Campus, Nuzvid, under the supervision of Prof. N. Veeraiah. I further declare that this thesis has not been submitted for the award of any degree, or diploma of any other University or Institution.

(A. PADMANABHAM)