

## DECLARATION

I hereby declare that this thesis is the result of my research works, which have been carried out by me under the supervision of my research guide Dr. B. K. Sarma, Professor, Department of Physics, Gauhati University. The results quoted from other workers have properly been referred to. Again, I would like to declare that this thesis as a whole or any part thereof has not been submitted in any form to any other University/Institution for any other degree or diploma.

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