

## DECLARATION

*I hereby declare that this thesis is the result of my own research work which has been carried out under the supervision of Dr. H. L. Das, Professor, Department of Physics, Gauhati University and Dr. K. C. Sarma, Reader, Department ofUSIC, 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 for the award of any research degree, to this University or any other Universities.*

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