

DECLARATION

I hereby declare that the content embodied in this thesis entitled “**Studies on structure, microstructure, mechanical, optical and transport properties of sub-stoichiometric and Nb-substituted nanostructured Titanium Nitride thin films**” submitted to University of Hyderabad for the award of **Doctor of Philosophy in Physics** is a record of original research work carried out by me under the supervision of **Dr M. Ghanashyam Krishna**, School of Physics, University of Hyderabad, Hyderabad. This work has not been submitted partially or fully for any degree in any other university.

Date:
Station: Hyderabad

K. Vasu