

DECLARATION

I declare that the thesis entitled **“SYNTHESIS AND CHARACTERIZATION OF PZT THIN FILMS ON ALUMINA AND QUARTZ SUBSTRATE”** has been prepared by me under the guidance of **Dr. K. THYAGARAJAN**, Associate Professor and Head of Physics Department, JNTUACE, Pulivendula, Y.S.R. District, Andhra Pradesh. No part of this thesis has formed the basis for the award of any degree or fellowship previously.

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CERTIFICATE

This is to certify that the thesis entitled **“SYNTHESIS AND CHARACTERIZATION OF PZT THIN FILMS ON ALUMINA AND QUARTZ SUBSTRATE”** being submitted to **Jawaharlal Nehru Technological University Anantapur, Ananthapuramu** by **K. SREELALITHA**, bearing **Roll No. 11PH0708** for the award of **Doctor of Philosophy (Ph.D.) in Physics** under my guidance and supervision. This thesis work is original and has not been submitted to any other University or Institution either in part or in full for the award of any Degree.

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