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CERTIFICATE

This is to certify that the thesis entitled “**SYNTHESIS OF $\text{Co}_{1-x}\text{Zn}_x\text{S}$ THIN FILMS BY A CHEMICAL ROUTE AND THEIR CHARACTERIZATIONS**”, which is being submitted herewith for the award of the Degree of Doctor of Philosophy in Physics of Solapur University, Solapur is the result of the original research completed by **Mr. S. S. Kamble** under my supervision and guidance and to the best of my knowledge and belief the work embodied in this thesis has not formed earlier the basis for the award of any Degree or similar title of this or any other university or examining body.

Place: Solapur

Date:

Research Guide

Prof. L. P. Deshmukh

DECLARATION

I hereby declare that the thesis entitled “**SYNTHESIS OF $\text{Co}_{1-x}\text{Zn}_x\text{S}$ THIN FILMS BY A CHEMICAL ROUTE AND THEIR CHARACTERIZATIONS**”, completed and written by me has not previously formed the basis for the award of any Degree or Diploma or other similar title of this or any other University or examining body.

Place: Solapur

Date:

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