

**“GROWTH AND CHARACTERIZATION OF ZnS THIN  
FILMS BY CHEMICAL BATH DEPOSITION”  
A PROJECT REPORT SUBMITTED TO  
SAVITRIBAI PHULE PUNE UNIVERSITY,  
PUNE**



**FOR THE DEGREE OF  
BACHELOR OF SCIENCE  
IN  
PHYSICS**

**UNDER THE FACULTY OF SCIENCE  
BY**

**Miss. KARDILE PRANALI SATISH**

*Department of Physics, Arts, Commerce and Science College, Sonai*

**UNDER THE GUIDANCE OF**

**Dr. SADEKAR H.K.**

**M.Sc., M.Phil, Ph.D**

**HEAD**

**DEPARTMENT OF PHYSICS,**

**ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI**

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Seat No.

43773

**SAVITRIBAI PHULE PUNE UNIVERSITY**

**BONAFIDE CERTIFICATE**

This is to certify that the work incorporated in the project report entitled "**Growth and Characterization of ZnS Thin Films by chemical bath deposition**" submitted to Savitribai Phule Pune University, Pune, is benefited work of **Miss. Kardile Pranali Satish** of B.Sc. (Physics) during the academic year 2020-21, who carried out the project work under my supervision.



**Dr. Sadekar H.K.**

**Guide**

Department of Physics

Arts, Commerce and Science College, Sonai

Sonai-414105



**Dr. Sadekar H.K.**

**Head**

Department of Physics

Arts, Commerce and Science College,

Sonai-414105



Internal Examiner

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Signature of Research Student

Miss Kardile Pranali Satish

(T.Y.B.Sc. Physics)