

# The National College (Autonomous)

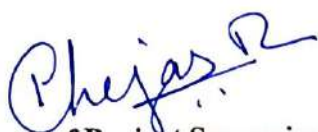
Jayanagar, Bengaluru – 70

DEPARTMENT OF POST GRADUATE STUDIES AND RESEARCH IN PHYSICS

## CERTIFICATE

This is to certify that the present Project titled “**THE EFFECT OF CRYSTAL GROWTH ON PHYSICAL, STRUCTURAL AND RADIATION SHEILDING PROPERTIES OF LEAD VANDOBORATE GLASSY SYSTEM**” has been the outcome of an original study carried out by **Mr DARSHAN A** under the supervision of **Dr. THEJAS R** towards the partial fulfilment of the requirements for the degree of Masters of Science in Physics at The National College, Jayanagar, Bangalore.

This is to further certify that the work reported is his independent original investigation and here in does not form a part of any other thesis on the previously forming of which a degree or diploma or a certificate has been conferred upon this or any other student in the past.



Signature of Project Supervisor

**Dr. THEJAS R**

Assistant Professor

Department of Post Graduate &  
Research in physics

The National College Jaynagar-560070



The Co-ordinator  
Dept. of PG Studies in Physics  
The National College  
AUTONOMOUS  
Jayanagar, Bangalore - 70.



Signature of the principal

Date: 23 November 2023

Place: Bengaluru