

**S-scheme fabrication of g-C<sub>3</sub>N<sub>4</sub>/NiV<sub>2</sub>O<sub>6</sub>  
Heterostructure Decorated with Ag nanoparticles for  
Photocatalytic degradation of Methylene Blue.**

A minor project submitted to  
**University of Mysore**  
in partial fulfillment of the requirement for the degree of

**Master of Science**

in Physics

by

**Vivek Utturkar (PY120310)**

**Chandan C. Urs (PY120260)**

**Pooja C. (PY120284)**

Project Supervisor

**Prof. Lokanath N. K.**



Department of Studies in Physics.

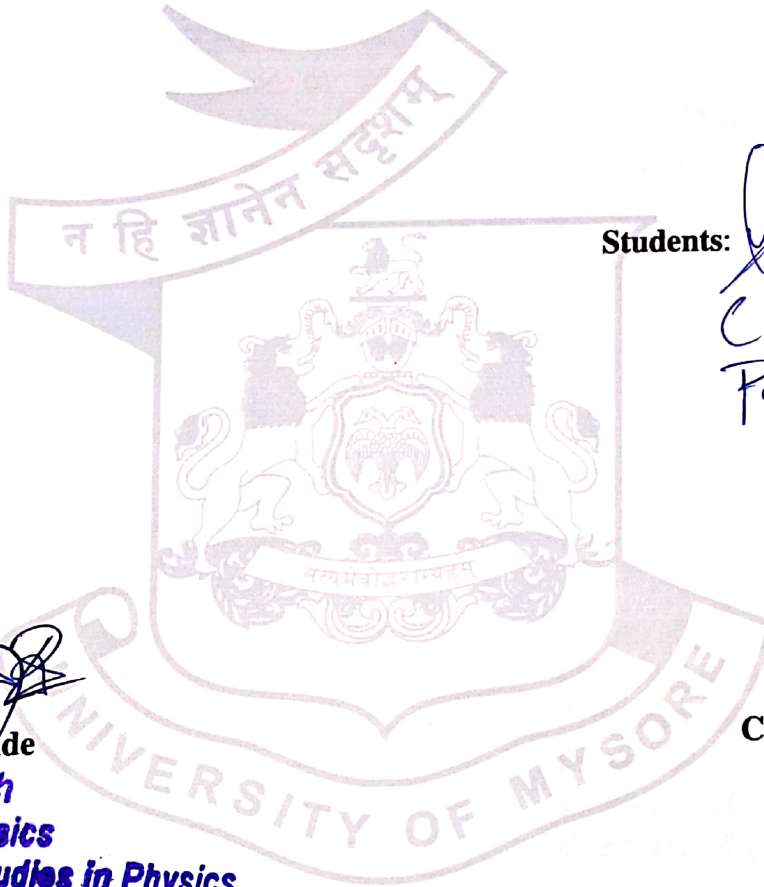
University of Mysore, Manasagangotri, Mysuru - 570 006

2022



# DECLARATION

We, Vivek Utturkar, Chandan C. Urs, and Pooja C., hereby declare that the present project report is prepared by us in the fourth semester of the Master's degree in Physics under the guidance of Prof. Lokanath N. K., Department of Studies in Physics, University of Mysore, Manasagangotri, Mysuru. The subject matter has not previously formed the basis for the award of any degree, diploma, fellowship or other similar titles.



Students:

*[Signature]*  
Chandan CDS  
Pooja.c

*[Signature]*  
Research Guide

**Dr. N.K.Lokanath**  
**Professor of Physics**  
**Department of Studies in Physics**  
**University of Mysore, Manasagangotri**  
**Mysore-570 006, INDIA.**

Chairman

Place: Mysuru

Date: 17/8/22