

# **PHOTOLUMINESCENCE**

## **INTERNSHIP REPORT**

Submitted by

**Ms.P.LAVANYA**

(Register No: 2023MSCP12)



**DEPARTMENT OF PHYSICS**

**FATIMA COLLEGE**

**(AUTONOMOUS)**

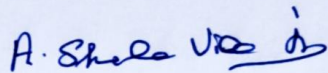
**RE-ACCREDITED WITH 'A++' GRADE BY NACC (4<sup>th</sup> Cycle)**

**(CGPA: 3.61) in the fourth cycle**

**MADURAI-625 018.**

## BONAFIDE CERTIFICATE

This is to certify that this internship project report entitled  
"PHOTOLUMINESCENCE" was submitted to Department of Physics, Fatima College  
(Autonomous), Madurai, is a bonafide record of work done by "Ms.P.LAVANYA"  
under my supervision from 06-05-2024 to 24-05-2024.



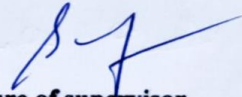
Dr. A. Sheela Vimala Rani

Head and Associate Professor,  
Research Centre of Physics,  
Fatima College,  
Madurai-625018.



## BONAFIDE CERTIFICATE

This is to certify that this internship project report entitled "PHOTOLUMINESCENCE" was submitted to Department of Physics, Fatima College (Autonomous), Madurai, is a bonafide record of work done by "Ms.P.LAVANYA" under my supervision from 06-05-2024 to 24-05-2024.

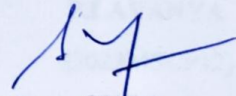


Signature of supervisor

(Dr.S.Masilla Moses Kennedy)

Dr. S. MASILLA MOSES KENNEDY

Professor and Head  
Department of Physics  
SSN College of Engineering  
Kalavakkam-603 110



Signature of HOD

(Dr. S. Masilla Moses Kennedy)

Dr. S. MASILLA MOSES KENNEDY

Professor and Head  
Department of Physics  
SSN College of Engineering  
Kalavakkam-603 110



## DECLARATION

I do hereby declare that this dissertation entitled "**PHOTOLUMINESCENCE**" was carried out by Ms.P.LAVANYA (Register Number: 2023MSCP12) submitted to the Department of Physics, Fatima College, Madurai in partial fulfillment of the requirements for the award of **MASTER OF SCIENCE in PHYSICS**, during the academic year, 2024-2025.

Place:Madurai

Date: 24/05/24

P. Lavanya

P.LAVANYA

(2023MSCP12)

## ACKNOWLEDGEMENT

### "GLORY TO GOD ALMIGHTY WHO GIVES US THE VICTORY"

We are grateful to **Dr. Sr. G. CELINE SAHAYA MARY**, Principal, Fatima College, Madurai, for permitting us to carry out our internship at Department of Physics, Sri Sivasubramaniya Nadar College of Engineering (Autonomous), Kalavakkam-603110 and also, I would like to thank **Dr. Sr. M. FRANCISCA FLORA**, Secretary, Fatima College, Madurai for her prayers and blessings.

I thank **Dr. A. SHEELA VIMALA RANI**, Head, Research Centre of Physics, Fatima College, Madurai, for her constant support and encouragement in the successful completion of this internship work.

I would like to express my special thanks of gratitude to the principal **Prof. V.E. ANNAMALAI** as well as our vice principal **Prof. S. RADHA** who gave me the golden opportunity to do this wonderful project in Sri Sivasubramaniya Nadar College of Engineering (Autonomous), Chennai-603110.

I would like to express my sincere thanks to **Prof. S.M.M. KENNEDY**, Head, Department of Physics, Sri Sivasubramaniya Nadar College of Engineering (Autonomous), for his valuable guidance and support in completing my internship project.

I thank **Research Scholars**, Department of Physics, Sri Sivasubramaniya Nadar College of Engineering (Autonomous), for their constant support throughout this internship work.

I thank my beloved parents **Mr. P. PANDIAN** and **Mrs. M. MARISELVI** for their motivation during this internship and friends for their valuable support.

*P. Lavanya*  
(P.LAVANYA)



**Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam-603 110**  
(An Autonomous Institution, Affiliated to Anna University, Chennai)

**Department of Physics**