### SMOKE DETECTOR

### A PROJECT REPORT SUBMITTED TO

## SAVITRIBAI PHULE PUNE UNIVERSITY,

PUNE



FOR THE DEGREE OF

MASTER OF SCIENCE

IN

**PHYSICS** 

UNDER THE FACULTY OF SCIENCE

BY

MISS. GAWALI SHIVANI JAYANT

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

UNDER THE GUIDANCE OF

Prof. SHINDE R. S.

M.Sc. (Physics), NET, SET

DEPARTMENT OF PHYSICS,

ARTS, COMMERCE AND SCIENCE COLLEGE, SONAI

MARCH-2023

Seat No.	

# SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

### **BONAFIDE CERTIFICATE**

This is to certify that the work incorporated in the project report entitled SMOKE DETECTOR submitted to Savitribai Phule Pune University, Pune is benefited work of Miss. GAWALI SHIVANI JAYANT of M.Sc. (Physics) during the academic year 2022-23, who carried out the project work under my supervision.

Prof. Shinde R. S.

Guide

Department of Physics

Arts, Commerce and Science College,

Sonai-414105

Dr. Sadekar H.K.

Head

Department of Physics

Arts, Commerce and Science College,

Sonai-414105

ACKNOWLEDGEMENT

I wish to thank the Principal Dr. Shankar Laware of my college for permitting me to

use all the facilities available in the institution for my project work. I would also like thank

the Head of the Physics Department Dr. Sadekar H.K., the teaching faculty and all the Non-

teaching staff of my college for their support in completing the work successfully.

I am grateful to my Guide Prof. Shinde R. S. for his encouragement, guidance and

supervision of my project work during the year. I must acknowledge the financial support

given to this project by my parent without which it would have been difficult to complete the

work in time.

My classmates have been of great help to me the project work. My ideas were shaped

and refined progressively through my discussions with them from time to time. I cannot miss

to thank them all. There were some persons like Prof. Darandale A. A., Prof. Sayyad A. S.

who were not directly but indirectly involved in my preparatory/practical work. I appreciate

their contribution and thank them too.

Place: Sonai

Date: /05/2023

Signature of Research Student

Miss. GAWALI SHIVANI JAYANT

(M.Sc. Physics)