



भौतिक अनुसंधान प्रयोगशाला
(भारत सरकार, अंतरिक्ष विभाग की यूनिट)
नवरंगपुरा, अहमदाबाद - 380 009, भारत

Physical Research Laboratory
(A Unit of Dept. of Space, Govt. of India)
Navrangpura, Ahmedabad - 380 009, India



2-June-2023

INTERNSHIP CERTIFICATE

TO WHOM IT MAY CONCERN

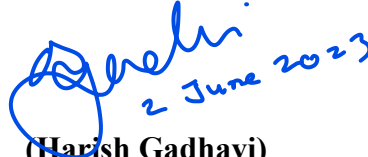
This is to certify that **YOGESHKUMAR A. PATEL** has successfully completed the research internship at **PHYSICAL RESEARCH LABORATORY** in the **SPACE & ATMOSPHERIC SCIENCES DIVISION** from **JANUARY 2022** to **APRIL 2023**.

Mr. Yogeshkumar Patel has worked on the project of **DEVELOPMENT OF ALGORITHMS AND HARDWARE FOR BALLOON-BORNE SUN-PHOTOMETER** under the supervision and guidance of **DR HARISH GADHAVI AND MR. P. MALAIDEVAN**. During the internship, he has gained experience in several dimensions of instrument development such as sensors, motors, microcontroller (ESP32, Arduino uno / mega 2560 , Raspberry pi pico 2040) and programming in embedded C/C++ and Micro-python and has developed considerable skills in MATLAB, Simulink, Arduino IDE, and Python.

Besides showing high comprehension capacity and enthusiasm in learning new concepts, he has maintained an outstanding professional demeanour and showcased excellent moral character throughout the internship period.

I hereby certify that his overall work as an intern was **excellent**.

Wishing him the best of luck in his future endeavours.


(Harish Gadhavi)

Associate Professor

Space and Atmospheric Sciences Division

PRL, Ahmedabad