## APPLIED PHYSICS DEPARTMENT

Telephone No.: (0265) 2434188 Fax No.: (0265) 2423898

THE OF BAROLA

सत्यं शिवं सुन्दरम्

Faculty of Technology & Engineering The M. S. University of Baroda, Kalabhavan VADODARA-390 001 GUJARAT STATE, INDIA

## **CERTIFICATE**

This is to certify that the thesis entitled "Development and Fabrication of Laser Scribed Copper Indium Gallium Diselenide (CIGS) Thin Film Solar Cell Module" submitted by Miss Priya Shashikant Suryavanshi to The Maharaja Sayajirao University of Baroda, Vadodara for the award of degree of Ph.D. in Applied Physics is bonafide and the work has been carried out by her in this department.

Dr. C. J. Panchal

"Remila"

Dr. C. J. Panchal

Date: 1st March 2021

Research Guide,

B& Clah

Applied Physics Department Faculty of Tech. & Engg. M. S. University of Baroda, VADODARA-390 001

Head

**Applied Physics Department** 

Head
Applied Physics Department
and the of Technology & Engineering

The Marriaga Sayajirao University of Baroda. Vadodara - 390 001 A. H.
Ot. 63. 2021
Dean,

Faculty of Technology and Engineering

Facult of the 3 Engg. M. S. University & Caroda, Baroda.