

इलाहाबाद विश्वविद्यालय
इलाहाबाद - 211 002




University of Allahabad
Allahabad - 211 002

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Raj Kamal Yadav S/o Sri Raj Kumar Yadav**, has submitted his/her thesis on the topic of "SYNTHESIS CHARACTERIZATION AND APPLICATIONS OF ZnO NANOPARTICLES IN DYE-SENSITIZED SOLAR CELLS" for award of the Degree of **Doctor of Philosophy** under the supervision of **Prof. Pratima**, Department of **Physics**, in the **Faculty of Science**, University of Allahabad, Prayagraj on **14th Dec. 2020**. The Consent letter the Examiner may be sent only after receiving the name of the examiners approved by academic council,

This Certificate is issued on his/her request dated on **14th Dec. 2020**.


(Dr. Vijay Kumar Singh)
Assistant Registrar (Academic)
University of Allahabad
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15/12/2020