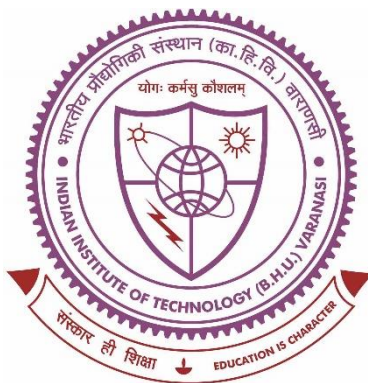


Improving Stability of Organic-Inorganic Hybrid Perovskite PV absorber layer



Thesis submitted in partial fulfillment for the
Award of Degree

Doctor of Philosophy

by

Asim Aftab

DEPARTMENT OF CERAMIC ENGINEERING

INDIAN INSTITUTE OF TECHNOLOGY

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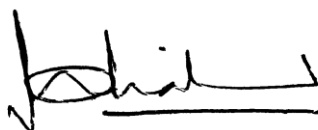
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Dr. Mohammad Imteyaz Ahmad
(Supervisor)
Assistant Professor
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DECLARATION BY THE CANDIDATE

I, **Asim Aftab**, certify that the work embodied in this PhD thesis is my own bonafide work carried out by me under the supervision of Dr. Mohammad Imteyaz Ahmad for a period from July 2017 to December 2023, at the "Department of Ceramic Engineering", Indian Institute of Technology (BHU), Varanasi, India. The matter embodied in this Ph.D. thesis has not been submitted for the award of any other degree/diploma. I declare that I have faithfully acknowledged and given credits to the research workers wherever their works have been cited in my work in this thesis. I further declare that I have not wilfully copied any other's work, paragraphs, text, data, results, etc., reported in journals, books, magazines, reports dissertations, thesis, etc., or available at websites and have not included them in this thesis and have not cited as my own work.

Date: December 26, 2023

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CERTIFICATE BY THE SUPERVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

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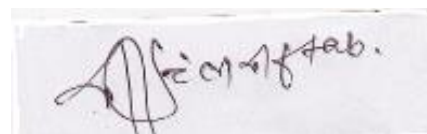
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ASIM AFTAB