

## THESIS CERTIFICATE

It is certified that the work contained in the thesis titled **“Fabrication and Characterization of CTS Quantum Dots Based Hybrid Structures for Broadband Photodetection”** by **“Sanjeev Mani Yadav”** has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of comprehensive, candidacy and SOTA.



(Dr. Amritanshu Pandey)

Supervisor

Department of Electronics Engineering

IIT (BHU), Varanasi

सहआचार्य / Associate Professor  
इलेक्ट्रॉनिकी अभियांत्रिकी विभाग  
Department of Electronics Engineering  
भारतीय प्रौद्योगिकी संस्थान  
Indian Institute of Technology  
(बनारस हिन्दू यूनिवर्सिटी)  
(Banaras Hindu University)  
वाराणसी / Varanasi-221005



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I, Sanjeev Mani Yadav, certify that the work embodied in this thesis is my own bonafide work and carried out by me under the supervision of Dr. Amritanshu Pandey from "25/07/2017" to "22/10/2021", at the Department of Electronics Engineering, Indian Institute of Technology (BHU), Varanasi. The matter embodied in this thesis has not been submitted for the award of any other degree/diploma. I declare that I have faithfully acknowledge 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 will fully 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.

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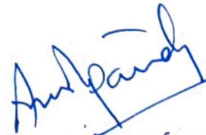
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Sanjeev Mani Yadav

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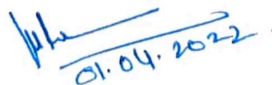
(Dr. Amritanshu Pandey)

Supervisor

Department of Electronics Engineering

IIT (BHU), Varanasi

सहाचार्य/Associate Professor  
इलेक्ट्रॉनिकी अभियांत्रिकी विभाग  
Department of Electronics Engineering  
भारतीय प्रौद्योगिकी संस्थान  
Indian Institute of Technology  
(बनारस हिन्दू यूनिवर्सिटी)  
(Banaras Hindu University)  
वाराणसी/Varanasi-221005



Signature of Head of Department

SEAL OF THE DEPARTMENT

आचार्य व विभागाध्यक्ष/PROFESSOR & HEAD  
इलेक्ट्रॉनिकी अभियांत्रिकी विभाग/Department of Electronics Engineering  
भारतीय प्रौद्योगिकी संस्थान (का.हि.वि.)/Indian Institute of Technology (BHU)  
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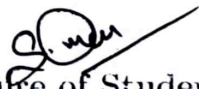
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Date: 01/04/2022

  
(Sanjeev Mani Yadav)





**Dedicated to My Family and  
My Supervisor Dr.  
Amritanshu Pandey**