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I, **Priya Singh** certify that the work embodied in this thesis is my own bonafide work and carried out by me under the supervision of **Prof. Rajiv Prakash** from **July 2017 to July 2022** at the **School of Materials Science & Technology**, Indian Institute of Technology, Banaras Hindu University, 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 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 willfully copied any other's work, paragraphs, text, data, results, etc., reported in journals, books, magazines, reports, dissertations, theses, 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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It is certified that the above statement made by the student is correct to the best of my knowledge.

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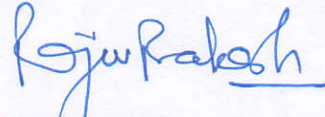


***Dedicated to
My Parents***

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It is certified that the work contained in the thesis titled "Field deployable sensors for health monitoring using colorimetric and chemiluminescence techniques" by "Priya Singh" 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.



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(Priya Singh)

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