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**CANDIDATE'S DECLARATION**

I, **Ajit Kumar Thakur**, certify that the work embodied in this Ph.D. thesis is my own bonafide work carried out by me under the supervision of **Dr. Vikas Kumar** and the co-supervision of **Dr. Geeta Rai** for a period of about 3 years and 2 months from July, 2011 to August, 2014 at Department of Pharmaceutics, Indian Institute of Technology (Banaras Hindu University), Varanasi. 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, given credit to and referred to the research workers wherever their works have been cited in the text and the body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, theses, etc., or available at web-sites and included them in this Ph.D. thesis and cited as my own work.

**Date:** August 20, 2014

**Place:** Varanasi

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**Certificate from the Supervisor/Co-supervisor/Head of the Department**

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

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