

## **Declaration**

I, Kousik Mukherjee, hereby declare that the total work reported in the Ph.D. thesis entitled "A THEORETICAL INVESTIGATION OF NONCLASSICAL EFFECTS IN OPTICAL AND OPTOMECHANICAL SYSTEMS AND THEIR APPLICATIONS" have been done by me under supervision of Dr. Paresh Chandra Jana, Professor, Department of Physics, Vidyasagar University. The content of the thesis is unique and has not been published earlier as a full or a part for degree or diploma at this university or any other institutions.

Date: 27-11-2019

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