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## **STATEMENT OF ORIGINALITY**

It is stated that the research work presented in this thesis consists of my own ideas and research work. The contributions and ideas from others have been duly acknowledged and cited in the dissertation. This complete thesis is written by me.

Muhammad Umar Hassan

## **VITA**

My name is Muhammad Umar Hassan and I graduated as a mechanical engineer in 2012 and I have built a career as a system architect and product developer. In 2017, I co-founded Qosain Scientific with a renowned experimental physicist of Pakistan, Dr. Muhammad Sabieh Anwar. It is a company that creates scientific instruments mainly for the education industry. Since then, I've dedicated myself to perfecting the existing products and innovate more products that might answer one of the most ignored and important problems of the educational system of the continent.