

## DECLARATION BY THE CANDIDATE

The thesis entitled “*Investigation of photocatalytic, photoluminescence and mechanical properties of tungsten disulphide (WS<sub>2</sub>) nanosystems along with irradiation induced modifications*” is being submitted to the Tezpur University in partial fulfilment for the award of the degree of Doctor of Philosophy in *Physics* is a record of bonafide research work accomplished by me under the supervision of Dr. D. Mohanta.

All help received from various sources have been duly acknowledged. No part of this thesis has been submitted elsewhere for award of any other degree.

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