

Declaration

I hereby declare that the thesis entitled “*Design consideration of low-cost surface enhanced Raman scattering (SERS) substrate for various sensing applications*”, submitted to the School of Sciences, Tezpur University, in partial fulfillment for the award of the degree of Doctor of Philosophy in Physics, has been carried out by me at Department of Physics, Tezpur University Assam, India, under the supervision of Dr. Pabitra Nath. The work is original and has not been submitted in part or full in any other University or institute for any degree, diploma, associateship, fellowship or any other similar title or recognition.

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