

## **DECLARATION**

I do hereby declare that the thesis entitled, “Electrochemical modeling and validation of high- $\kappa$  dielectric and nanomaterial based enzyme field effect transistors (ENFETs) for biomolecule detection” being submitted to the Department of Electronics and Communication Engineering, School of Engineering, Tezpur University is a record of original research work carried out by me. All sources of assistance have been assigned due acknowledgement. I also declare that neither this work as a whole nor a part of it has been submitted to any other University or Institute for award of any other degree or diploma. Any violation of the above declaration will take disciplinary action by the University.

Place: Tezpur

Date:

(Purnima Kumari Sharma)