

## **Declaration**

*I hereby declare that the thesis entitled, “**Equilibrium and fluctuation dynamics in self-gravitating plasmas**”, being submitted to the School of Sciences, Tezpur University, in partial fulfillment of the requirements for the award of degree of **Doctor of Philosophy (PhD)** is a genuine record of original research investigations by me during my Ph. D. period. Any part of texts, figures and results by other researchers, which are properly used in dignified way herein, are appropriately and honestly cited in order to give credit to the originators.*

*I also declare that the works of this thesis have not been submitted in part, or in full, for the award of any other degree, diploma, fellowship, associateship, or any other similar title-recognition from any other academic institute or organization.*

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