

## Declaration of Authorship

I, Neelima Ch, declare that the thesis, titled "**Understanding the differences in preliminary stages of gene expression regulation in healthy and unhealthy mammalian tissues, and identification of potential markers**", and the work presented in it are my own. I confirm that this work was mainly done, while in candidature for a research degree at this institute: I do confirm that the published work of others wherever consulted, has been clearly mentioned.

**Signature:** *Neelima.ch*

**Date:** *12/11/2016*

## Certificate

We hereby certify that the matter embodied in this thesis entitled **“Understanding the differences in preliminary stages of gene expression regulation in healthy and unhealthy mammalian tissues, and identification of potential markers”** has been carried out by Neelima Ch, at Institute of Bioinformatics and Applied Biotechnology (IBAB), Bengaluru and, as an external PhD registrant from Centre for Computational Natural Science and Bioinformatics (CCNSB), International Institute of Information Technology (IIIT), Hyderabad, under our supervision and that it will not be submitted elsewhere for the award of any degree or diploma.

**Guide: Dr. Kshitish Acharya**



**Date:** Nov 12, 2016.

**Co-guide: Prof. Abhijit Mitra**



**Date:** 12/11/2016