

## CERTIFICATE –I

This is to certify that the thesis entitled “*In Silico Study of Alzheimer Disease Associated Genes and Comparative Transcriptome (RNA-Seq) Analysis.*” submitted in partial fulfillment of the requirement for the award of degree of **Doctor of Philosophy** in Biotechnology to Shoolini University of Biotechnology and Management Sciences, Solan (H.P) is original research work carried out by **Neha Gupta (11-BT-D-06)** under my/our guidance and supervision. No part of this thesis has been submitted for any other degree or diploma.

The assistance and help received during the course of investigation has been duly acknowledged.

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**Place: Solan**

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