CERTIFICATE

This is to certify that the thesis entitled “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_” submitted by Mr/Mrs. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Registration No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_to JIS University, Kolkata, is a record of bona fide research work under my supervision and is worthy of consideration for the award of the degree of Doctor of Philosophy of the institute.

Prof.

(Supervisor)