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CERTIFICATE

This is to certify that the present research work of the Ph. D. thesis entitled "Implementation of machine learning technique to predict essential genes of *Saccharomyces cerevisiae*" has been carried out and completed by Mr. Partha Sarathi Das, M.Sc (Microbiology). He got his name registered on 06.12.2010 (Reg. No. 0012/Ph.D./Sc.) in accordance with the UGC regulation, 2009 for the award of Ph.D (in the Department of Microbiology) degree of Vidyasagar University is absolutely based upon his own work and under our supervision and that neither his thesis, nor any part of the thesis has been submitted for any degree/ diploma as any other academic award anywhere before.

T. C. Ghosh 03/12/2016
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