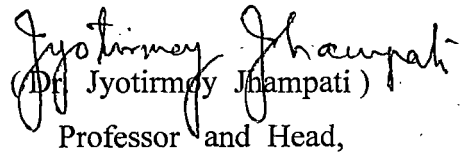


CERTIFICATE

This is to certify that the thesis entitled “NONLINEAR MODELLING AND BIFURCATIONS IN THE RECTIFIED DC VOLTAGE FED DC-DC BOOST CONVERTER” submitted by Sri Pradip Kumar Saha who got his name registered on 07.10.2002 for the award of PhD (Engineering) degree of the University of North Bengal , absolutely based upon his own work under my supervision and that neither the thesis nor any part of it has been submitted for any degree or diploma or any other academic award anywhere before.


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