

CERTIFICATE

This is to certify that the thesis entitled "NONLINEAR PREDICTIVE IN-LINE pH CONTROL VIA ARTIFICIAL NEURAL COMPUTATION" which is being submitted herewith for the award of the Degree of Doctor of Philosophy in Electronics Engineering of Shivaji University, Kolhapur is the result of the original work completed by Shri. Shashikant D. Lokhande under my supervision and guidance. To the best of my knowledge and belief, the work embodied in this thesis has not formed earlier the basis for the award of any Degree or Diploma or other similar title of this or any other University or examining body.

Date : 26 / 12 / 2004

Place : Sangli



V. N. BAPAT
Research Guide