

CERTIFICATE

This is to certify that the thesis entitled "Evolution of Design Criteria with respect to Hydraulics, Yield Response and Cost Effectiveness for Micro Manifolds, Microtubes and Polytubes in Micro Irrigation System" which is being submitted to The Maharaja Sayajirao University of Baroda in fulfillment of the requirements for the award of degree of Doctor of Philosophy in Civil Engineering by Ms. F. P. Parekh has been written by her under my supervision and guidance. This is an original work carried out by her independently. The matter presented in this thesis has not been submitted for the award of any other degree.

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