

Certificate

This is to certify that the thesis entitled "<u>Optimization of irrigation</u> water use for resource sustainability in Antisar watershed, district <u>Kheda, Gujarat</u>" Which is being submitted for the award of the Doctor of philosophy incorporates a record of bona fide research work carried out by Mr. <u>Vinod Chandra Pande</u> under my supervision and guidance.

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Jana k

Dr. Umesh Naik Guide