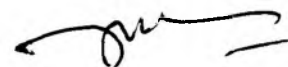


CERTIFICATE

This is to certify that the work incorporated in the dissertation entitled " Applications of viscosity, density and ultrasonic measurements in organic binary mixture " being submitted by Smt. Meera Jadhav for the Ph.D. degree in Chemistry, was carried out by the candidate under my supervision. Such material as has been obtained from other sources has been duly acknowledged in the thesis.



(Dr. P.S. Nikam)

Research Guide