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### **CERTIFICATE BY THE SUPERVISOR**

This is to certify that the Dissertation entitled **“EFFECT OF HATHA YOGA SADHANA AND SIMPLIFIED KUNDALINI YOGA ON PHYSICAL PHYSIOLOGICAL AND PSYCHOLOGICAL VARIABLES AMONG GERIATRIC MEN WITH LOW BACK ACHE”** is a bonafide record of research work done by **S.KAMALAKKANNAN**, Ph.D. Research Scholar, Department of Yoga, Tamil Nadu Physical Education and Sports University, Chennai. Under my guidance for the award of Degree of Doctor of Philosophy and that, this Dissertation has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or any other similar title to the candidate.

This is also to certify that the Dissertation represents the independent work of the scholar

**Date :**

**Dr. V. DURAISAMI**

**Place :**