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CERTIFICATE

This is to certify that the dissertation entitled "MEAN SQUARE NUMERICAL SOLUTION OF STOCHASTIC DIFFERENTIAL EQUATIONS BY THIRD ORDER IMPROVED RUNGE KUTTA METHOD " submitted to the Karpagam Academy of Higher Education in partial fulfilment of the requirements for the award of the degree of Master of Science in Mathematics is a bonafide record of original research work done by S.SARANYA during the period 2019 -20 of their study in the Department of Mathematics at Karpagam Academy of Higher Education, Coimbatore, under my supervision and guidance and the dissertation has not formed the basis for the Degree/Diploma/Associate/Felowship or similar title to any candidate of any University.

M.M. Shapi Signature of Head of the Department

Dr. M. M. SHANMUGAPRIYA, Ph.D.,
Professor & Head,
Department of Mathematics,
Karpagam Academy of Higher Education,
Coimbatore - 641 021, Tamilnadu, India.

Signature of the Guide

Assistant Professor
Department of Mathematics
Faculty of Arts, Science and Humanities
Karpagam Academy of Higher Education
Coimbatore – 641 021, Tamil Nadu, India.