

CERTIFICATE

This is to certify that the thesis entitled **Investigation of certain new aspects of fractional calculus operators and geometric function theory**, which is being submitted for the award of the degree of **Doctor of Philosophy** to the **Banasthali University**, Banasthali, is a record of theoretical work accomplished by me under the supervision of Dr. Deepa Sinha, Former Associate Professor, Mathematics, Centre for Mathematical Sciences (CMS), Banasthali University, Rajasthan. The results embodied in the thesis have not been submitted to any other University or Institution for the award of any degree or diploma.

Place: Banasthali University

Date: May, 2014

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(Research Scholar)

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This is to certify that this thesis entitled **Investigation of certain new aspects of fractional calculus operators and geometric function theory**, submitted by Ms. Ruchi Mathur to **Banasthali University**, Banasthali, for the award of the degree of **Doctor of Philosophy** is a bona fide record of research work carried out by her under my supervision. The contents of the thesis, in full or parts, have not been submitted to any other University or Institution for the award of any degree or diploma.

Place: Banasthali University

Date: May, 2014

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