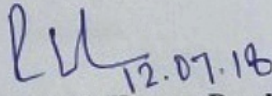# CERTIFICATE

It is certified that the work contained in the thesis titled "**Projection Approximation for Weakly Singular Integral and Integro-Differential Equations**" by **Mr. Shiva Sharma** has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive Examination, Candidacy and SOTA for the award of Ph.D Degree.

12.07.18

(Dr. Rajesh Kumar Pandey)
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Varanasi - 221005

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DECLARATION BY THE CANDIDATE

I, **Shiva Sharma**, certify that the work embodied in this thesis is my own bonafide work and carried out by me under the supervision of Dr. Rajesh Kumar Pandey from July, 2013 to June, 2018 at Department of Mathematical Sciences, Indian Institute of Technology (Banaras Hindu University), Varanasi. The matter embodied in this thesis has not been submitted for the award of any other degree/diploma. I declare that I have faithfully acknowledged and given credits to the research workers wherever their works have been cited in my work in this thesis.

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It is certified that the above statement made by the student is correct to the best of my knowledge.

12.07.18

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Shiva Sharma
12/7/18

Shiva Sharma