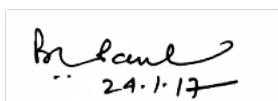


CERTIFICATE

Certified that the thesis entitled “**A THEORETICAL INVESTIGATION ON SPIN WAVE INSTABILITY AND MAGNON MEDIATED SUPERCONDUCTIVITY**” has been prepared by Rakesh Kar, for the award of Ph. D. Degree of the University of North Bengal, under our joint guidance. He has carried out the work in the Department of Physics and the Department of Chemistry, University of North Bengal.

No part of the thesis has formed the basis for the award of any degree or fellowship previously.

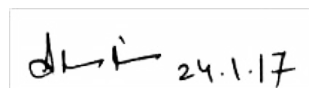


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