



DEPARTMENT OF PURE AND APPLIED PHYSICS

GURU GHASIDAS UNIVERSITY, BILASPUR (C.G) INDIA

(A Central University Established by the Central University Act 2009 No.25 of 2009)

CERTIFICATE

This is to certify that the project (review) entitled “**PROPERTIES and APPLICATIONS OF PHOTOVOLTIC DEVICE BASED ON PEROVSKITE MATERIALS** “ submitted by **ARVIND SARTHI** in the partial fulfilment for the requirements for the award of Master of Science Degree in Physics at Department of Pure and Applied Physics, Guru Ghasidas University, Bilaspur (C.G.) 495009,INDIA is an authentic work carried out by him under my supervision and guidance.

Dr. ALKA SINGH

ASSISTANT PROFESSOR

Department of Pure and Applied Physics

GURU GHASIDAS VISHWAVIDYALAYA

DATE.....

BILASPUR C.G

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