



Department of Pure & Applied Physics
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) India
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CERTIFICATE

This is to certify that the thesis entitled, "A review on deposition and characterisation on Sodium doped Zinc oxide thin film for optoelectronic application using sol gel spin coating method" submitted by Muskan Agrawal in the partial fulfillment for the requirements for the award of Bachelor of Science Degree in Electronic at Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, Chhattisgarh, India, is an authentic work carried out by her under my supervision and guidance.

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