

Certificate

This is to certify that the thesis entitled “**Synthesis, Characterization and Optical Properties Study of ZnS, ZnS-Mn & ZnS-Ni Nano-structured Materials**” submitted by Apurba Kumar Das, a research scholar in the Department of Instrumentation & USIC, Gauhati University, Guwahati-14, was carried out under my supervision. He has not submitted this work for the credit towards any other degree to any other university or institute.

S. Bardaloi

(Dr. S.Bardaloi)

Guide,

Department of Instrumentation & USIC,

Gauhati University