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CERTIFICATE

*This is to certify that the thesis entitled “**Synthesis, characterization, and investigations of dielectric and spectroscopic properties of PbO-Sb₂O₃-As₂O₃ glass system crystallized with MoO₃, MnO and NiO as nucleating agents**” submitted by **Adabala Padmanabham** for the Degree of Doctor of Philosophy in Physics to Acharya Nagarjuna University, Nagarjuna Nagar, is a record of the bonafide research work actually carried out by him under my guidance in the Physics Department of this Institute. The results embodied in this thesis have not been submitted for any other degree or diploma to any other University or Institution.*

(N. Veeraiah)