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Department of PG Studies and Research in
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CERTIFICATE

This is to certify that the project report "**Structural, Optical and Electrical Properties of Gallium Doped Zinc Oxide/rGO Composite Thin Films**" is a bonafied work carried out by Midhun Mathew (218120), under the guidance of **Dr. Kumara K** in the Department of PG Studies and Research in Physics, St Aloysius College (Autonomous) Mangalore. The same is being submitted to the department of Post Graduate Studies and Research in Physics, St Aloysius College in partial fulfillment of the requirements for the award of Master of Science in Physics. No part of this thesis has been presented for the award of any other degree.

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