## **CERTIFICATE**

This is to certify that the project report entitled "ANALYSIS OF POSITIVE AND NONNEGATIVE MATRICES" is a bonafide work carried out by Ms. SINCHANA B SHETTY bearing the Reg No. 228021, under the guidance of Ms. Anupriya Shetty in the Department of PG Studies and Research in Mathematics, St. Aloysius College.

The same is being submitted to the Post Graduation Department Mathematics, St. Aloysius College in partial fulfillment of the requirements for the award of Master of Science, Mathematics. No part of this thesis has been presented for the award of any other degree.

Place: Mangaluru

Date: 15.05-2024

Signature of the HOD

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