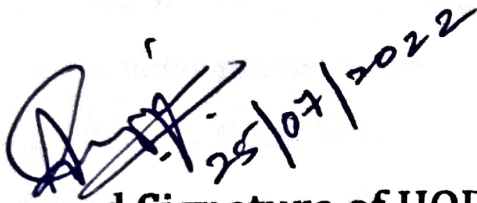


# CERTIFICATE

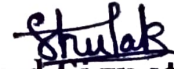
This is to certify that the project report entitled "A brief study on Directed Graphs" is a bonafide work carried out by **SRINIDHI, 208015** under the guidance of **Dr D. SHUBHALAKSHMI** in the department of PG Studies in Mathematics and Research, St. Aloysius College.

The same is being submitted to the Post Graduation of Mathematics, St Aloysius College in partial fulfilment 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.



Name and Signature of HOD

Ms. Anupriya Shetty



Name and Signature of the Guide

Dr. D. Shubhalakshmi

