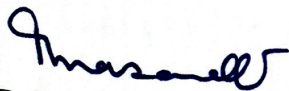


CERTIFICATE

This is to certify that the project entitled "**Synthesis of Iron oxide Nanoparticles and their Application in the Removal of Heavy metals from Wastewater**" is a bonafide work carried out by **Pavithra D K, 208217** under the guidance of **Mrs. Preema Cealla Pais** in the Department of Postgraduate Studies and Research in Chemistry, St Aloysius College (Autonomous).

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



Dr Ronald Nazareth
(Head, Department of PG Chemistry)



Mrs. Preema Cealla Pais
(Guide)