

## CERTIFICATE

This is to certify that the project report entitled “ **Hydrothermal synthesis of  $\text{ACo}_2\text{O}_4$  (A=Co, Ni) spinels with excellent electrocatalytic activity for oxygen evolution reaction**” is a bonafied work carried out by **Arjun Nambiar A C, 208205** under the guidance of **Dr.Nygil Thomas**, Assistant Professor, Department of Chemistry, Nirmalagiri College, Kannur.

The same is being submitted to the Post Graduation Department of 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.



Name & Signature of HOD

**Dr. Ronald Nazareth**



Name and Signature of the Guide

**Dr. Divya N Shetty**