

CERTIFICATE

This is to certify that the project entitled “**Synthesis characterization and corrosion studies of mannich bases**” is a bonafide work carried out by **Mohammed Shiyad A** under the guidance of Dr. Jyothi N Rao, Department of Postgraduate Studies and Research in Chemistry, St. Aloysius College (Autonomous).

The similar is being submitted to the Post graduation Department of Chemistry in partial fulfilment of requirement awards of **Master of Science in Chemistry**. No part of this thesis has been presented for the award of any degree.



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(Guide)