

## CERTIFICATE

This is to certify that the project report entitled "**Design, Synthesis and Characterization of Push-Pull System Comprising 3-Cyano-2-pyridone and Carbazole Units**" is a bonafide work carried out by **MOKSHA D M, 228217** under the guidance of **DR AHIPA T N**, Associate Professor at Centre for Nano and Material Sciences, JAIN (Deemed-to-be University), Jain Global Campus, Jakkasandra Post, Kanakapura Taluk, Ramanagara District-562112 and **DR JYOTHI N RAO** in the Department of PG Studies and Research in Chemistry, St Aloysius College (Autonomous), Mangalore.

The same is being submitted to the Post Graduation Department of Chemistry, St. Aloysius College (Autonomous), Mangaluru, in partial fulfillment 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.

*Signature*  
25/5/2021

*Ahipa T.N*

**Dr Ahipa T N**

Associate Professor

Centre for Nano and Material Sciences

JAIN (Deemed-to-be-University), Bangalore

*Signature*

**Dr. Vinola Zeena Rodrigues**

(Head, Department of Chemistry)