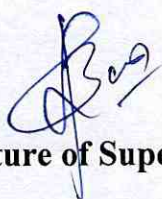


**CERTIFICATE**

This is to certify that the dissertation entitled **“DYE SENSITIZED SOLAR CELL USING COCKTAIL OF SYNTHETIC AND NATURAL DYES”** that is being submitted by **VIJAYALAKSHMI S (18PHP058)** during the period 2019 - 2020 in partial fulfillment of the award of Master of Science in Physics to the **KARPAGAM ACADEMY OF HIGHER EDUCATION** is a record of bonafide work carried out by him under my supervision and guidance. The contents embodied in the project report have not been submitted for the award of any other degree or diploma in this or any other university.

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