(2019-20) (1.3.4) (1505)

## CERTIFICATE

This is to certify that the project report entitled "FABRICATION AND CHARACTERIZATION OF PHOTO ANODE OF DSSC USING IN HOUSE BUILT DIP COATING UNIT" that is being submitted by RAJ P (17PHU049) during the period 2019 - 2020 in partial fulfillment of the award of Bachelor 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.

Signature of Supervisor

Dr. B. Janarthanan Associate Professor Head of the Department

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