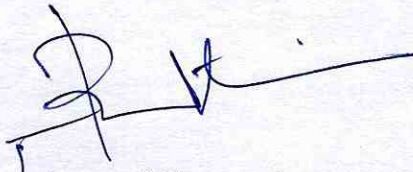


CERTIFICATE

This is to certify that the project report entitled “**Theoretical Aspect Of Gravitational Lensing Formation and Simulation Studies Of Caustics/Fermat’s Surfaces**” that is being submitted by **M. GOWTHAMKUMAR (17PHU015)** during 2019 – 2020 in partial fulfillment for 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 guidance and supervision. 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

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