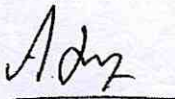


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## CERTIFICATE

This is to certify that the dissertation entitled " **DIY COMPACT 3 IN 1 INSTRUMENT FOR RESEARCH LABORATORY - FABRICATION & CHARACTERIZATION**" submitted to the karpagam Academy of Higher Education in partial fulfilment of the requirements for the award of the degree of **Bachelor of science physics** is a bonafide record of original research workdone by **BHOOMIKA. M (17PHU005)**. During the period 2019-2020 of study in the department of physics at karpagam Academy of Higher Education .Coimbatore under my supervision and guidance and the dissertation has not formed the basis of the award of any Degree/diploma/Associate/Fellowship or similar title to any candidate of any University



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