# TWO-DIMENSIONAL IMAGE ANALYSIS OF FEMTOSECOND LASER INDUCED COPPER PLASMA

A Description submitted to Department Of physics,

Variable College (Autonomous), Calicut University



#### MASTER OF SCIENCE

IN

#### **PHYSICS**

Submitted by

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Reg.no: VMARMPH001

Under the esteemed supervision and guidance of

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**APRIL 2019** 

#### **DECLARATION**

I hereby declare that M.Sc. project entitled "TWO-DIMENSIONAL IMAGE ANALYSIS OF FEMTOSECOND LASER INDUCED COPPER PLASMA" is a bona fide work carried out under the guidance and supervision of Dr. Anoop K. K, Assistant Professor, Department of Physics, Cochin University of Science and Technology, Cochin, Kerala, India.

Kochi,

03-05-2019

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## Certificate

This is to certify that the dissertation entitled "TWO-DIMENSIONAL IMAGE ANALYSIS OF FEMTOSECOND LASER INDUCED COPPER PLASMA" submitted by ALEENA THERES A.T. to the Department of Physics, Vimala College (Autonomous), Calicut University, in partial fulfillment of the requirement for the award of Master of Science in Physics is a bona fide record of project work carried out by her under my supervision at Department of Physics, Cochin University of Science and Technology during the period November 2018 – April 2019.

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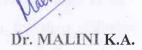
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### Certificate

This is to certify that the project work entitled "TWO-DIMENSIONAL IMAGE ANALYSIS OF FEMTOSECOND LASER INDUCED COPPER PLASMA" is a bona fide record of work done by ALEENA THERES A.T. (Reg.No: VMARMPH001) at Department of Physics, Cochin University of Science and Technology, in partial fulfillment of the requirement for the award of Master of Science in Physics of Department of Physics, Vimala College (Autonomous), Calicut University during the academic period November 2018 – April 2019.



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