

SACRED HEART COLLEGE (AUTONOMOUS), THEVARA

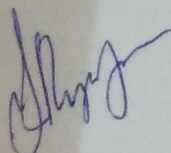
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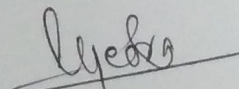
This is to certify that the report entitled 'LASER INDUCED BREAKDOWN SPECTROSCOPY OF SOLIDS' is a bonafide record of the project work done by ANJU VARGHESE, register number 17PPHY1687 of Sacred Heart College (Autonomous), Thevara, during the academic year 2017-2019 and submitted in partial fulfillment of the requirements for the award of the degree of Master of Science in Physics from Mahatma Gandhi University, Kottayam.



Dr. Riju .C. Issac

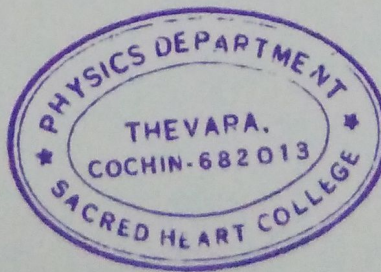
Project Guide

Dr. RIJU C. ISSAC Ph.D
Assistant Professor of Physics
Mar Athanasius College
Kothamangalam - 686 666
Kerala, India



Prof. V. M. George

Head of the Department



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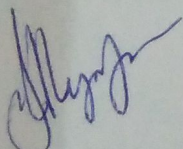
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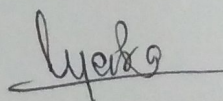
This is to certify that the report entitled 'LASER INDUCED BREAKDOWN SPECTROSCOPY OF SOLIDS' is a bonafide record of the project work done by **LAKSHMIPRIYA R**, register number **17PPHY1686** of Sacred Heart College (Autonomous), Thevara, during the academic year 2017-2019 and submitted in partial fulfillment of the requirements for the award of the degree of Master of Science in Physics from Mahatma Gandhi University, Kottayam.



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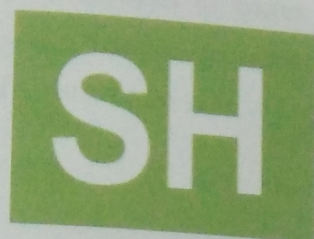
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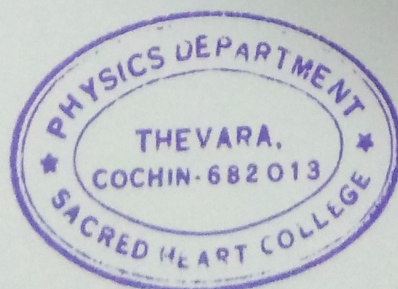
This is to certify that the report entitled 'Theoretical Analysis of Laser Cooling And Trapping of Li^7 atoms' is a bonafide work done by Navya Biju Reg. No: 17PPHY1688 of Sacred Heart College (Autonomous), Thevara, during the academic year 2017-2019 and submitted in partial fulfillment of the requirements for the award of the degree of Master of Science in Physics from Mahatma Gandhi University, Kottayam.

Dr. Jimmy Sebastian

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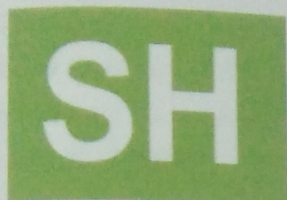
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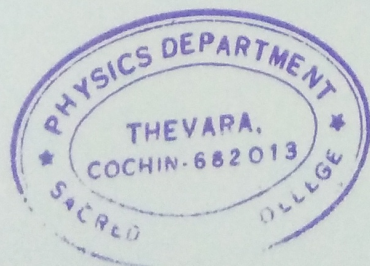
This is to certify that the report entitled '**Laser Cooling And Trapping**' is a bonafide work done by Sreelekshmi Krishnadas Reg. No: 17PPHY1684 of Sacred Heart College (Autonomous), Thevara, during the academic year 2017-2019 and submitted in partial fulfillment of the requirements for the award of the degree of Master of Science in Physics from Mahatma Gandhi University, Kottayam.

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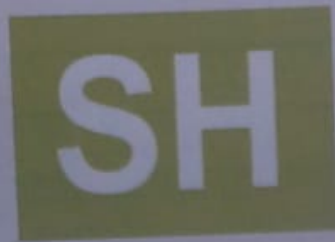
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This is to certify that the report entitled "Solar Flux induced variability of GPS TEC over a low latitude station in India" is a bonafide record of the project work done by **JISMARY DEVASSY** Reg. No. 17PPHY1691 of Sacred Heart College (Autonomous), Thevara, during the academic year 2017-2019 and submitted in partial fulfillment of the requirements for the award the degree of Master Of Science degree in Physics from Mahatma Gandhi University, Kottayam.

Dr. Sumod S.G

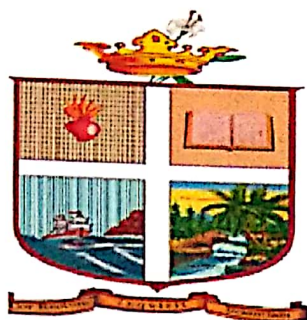
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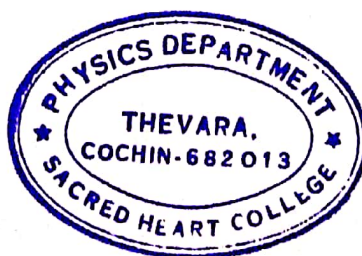
This is to certify that the report entitled 'Synthesis of Tin Disulfide Layers using Chemical Vapour Deposition Method' is a bonafide record of the project work done by Jincymol Joseph, Reg.no. 17PPHY1683 of Sacred Heart College, Thevara, during the academic year 2017-2019 and submitted in partial fulfillment of the requirements for the award of Master of Science degree in Physics from Mahatma Gandhi University, Kottayam.

Assoc. Prof. V.M.George
Head Of the Department

V.M . George
Associate Professor & HOD
Dept. of Physics
Sacred Heart College
Thevara, Cochin-13

Dr.Roby Cherian
Internal Guide

ASST. PROF. DR. ROBY CHERIAN
PHYSICS DEPARTMENT
SACRED HEART COLLEGE
THEVARA, KOCHI - 13



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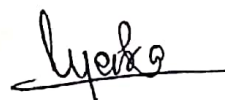
This is to certify that the report entitled '**LASER INDUCED BREAKDOWN SPECTROSCOPY OF SOLIDS**' is a bonafide record of the project work done by **LAKSHMIPRIYA R**, register number **17PPHY1686** of Sacred Heart College (Autonomous), Thevara, during the academic year 2017-2019 and submitted in partial fulfillment of the requirements for the award of the degree of Master of Science in Physics from Mahatma Gandhi University, Kottayam.



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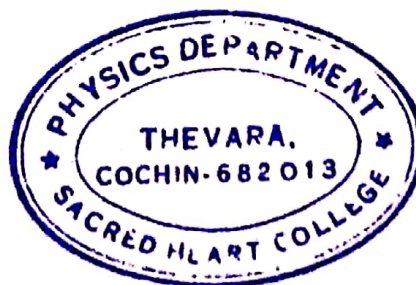
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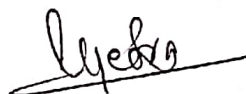
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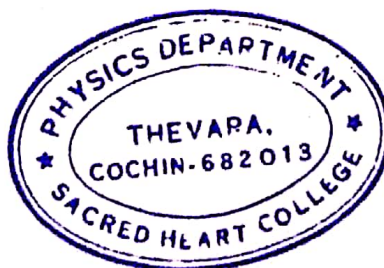
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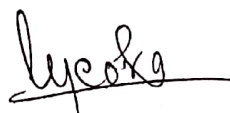
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This is to certify that the report entitled 'WEATHER DATA ACQUISITION USING SOFTWARE DEFINED RADIO' is a bonafide record of the project work done by **PAUL JACOB**, register number 17PPHY1682 of Sacred Heart College (Autonomous), Thevara, during the academic year 2017-2019 and submitted in partial fulfillment of the requirements for the award of the degree of Master of Science in Physics from Mahatma Gandhi University, Kottayam.



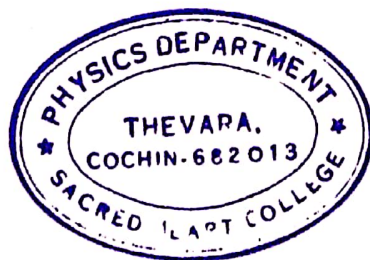
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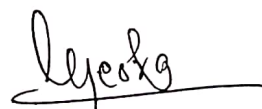
CERTIFICATE

This is to certify that the report entitled '**WEATHER DATA ACQUISITION USING SOFTWARE DEFINED RADIO**' is a bonafide record of the project work done by **THEERTHA RAMESH P. M.**, register number **17PPHY1681** of Sacred Heart College (Autonomous), Thevara, during the academic year 2017-2019 and submitted in partial fulfillment of the requirements for the award of the degree of Master of Science in Physics from Mahatma Gandhi University, Kottayam.



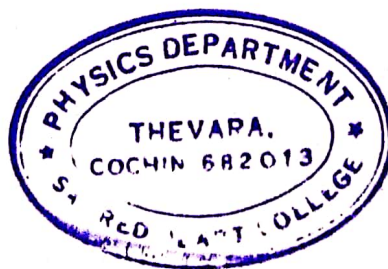
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This is to certify that the report entitled “**Day to Day variability of GPS TEC over a low latitude station in India**” is a bonafide record of the project work done by **Mavadigothi Ruby Reg. No. 17PPHY1693** of Sacred Heart College (Autonomous), Thevara, during the academic year 2017-2019 and submitted in partial fulfillment of the requirements for the award the degree of Master Of Science degree in Physics from Mahatma Gandhi University, Kottayam.


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