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BSc PHYSICS

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DEPARTMENT OF PHYSICS



ST. JOHN'S

COLLEGE, ANCHAL

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CERTIFICATE

Date: 5 - 05 - 2023

This is to certify that the project entitled "A REVIEW ON DIRECT VISUALIZATION OF CONCERTED PROTON TUNNELLING IN A WATER NANOCLUSTER" is a work done by AMAL SUNDER A, VISHNUPRIYA R B, AGUSTINA ALEX, ANJANA S and BHAVIKA R who are the students of final year(6th semester) BSC Physics, St John's College, Anchal and that no part of this project has been submitted earlier or elsewhere for similar purpose.

Dr PRAVEEN S.G.


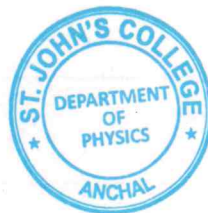
Assistant professor and Research supervisor
Department of Physics
St John's College, Anchal



Dr. PRAVEEN S G PH.D. AMRSC(UK)
Assistant Professor
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Dr BENZON K B

The Head, Department of Physics
St John's College, Anchal



Signature
Dr BENZON K B
HOD & Assistant Professor
Department of Physics
St John's College, Anchal- 691306

Submitted to BSC Physics Degree University Examination May 2023

Signature of Examiner

1: 
17/5/23

2: 
17/5/23

CERTIFICATE

This is to certify that the project entitled 'SIMAROUBA GLAUCA ASSISTED SYNTHESIS OF Ag NANOPARTICLE: A BIOGENIC APPROACH' submitted by AMBADI B KURUP (23020138016), DEVU T NAIR (23020138020), KSHEMA THANKAM SAM (23020138010) and ASHNA V R (23020138006) carried out in the Department of Physics, St. John's College, Anchal for the partial fulfilment for the award of first-degree program Bachelor of Science in Physics under the guidance of **DR. JIJI S.G.**, Assistant Professor, Department of Physics, St. John's College, Anchal, Kollam during the academic year of 2022-2023.

This work is original and has not been submitted earlier for the award of any other degree.

Place: Anchal

Date: 12/5/23

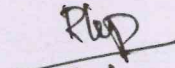

Dr. JIJI S.G.
Assistant Professor
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Research Guide


Dr BENZON K B
HOD & Assistant Professor
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Head of the Department

Examiners:


17/5/23





DEPARTMENT OF PHYSICS



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This is to certify that the project entitled "ATOMIC SCALE SYMMETRY AND POLAR NANOCLUSTERS IN PARAELECTRIC PHASE OF FERROELECTRIC MATERIALS: A REVIEW" is a work done by SAJNA.S, KRISHNAJA.R, EMEEMA S RAJ and A.RAVI SHANKAR who are final year students (6th semester) of B.Sc.Physics ,ST.JOHNS COLLEGE ,ANCHAL and that no part of this project has been submitted earlier or elsewhere for similar purpose.

Dr. PRAVEEN S.G.

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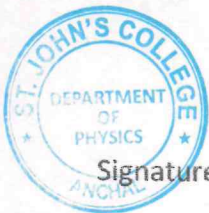
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[Signature]
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DEPARTMENT OF PHYSICS



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CERTIFICATE

This is to certify that the project entitled "LASER SECURITY ALARM "is a work done by, BINCY THOMAS, DEVIKA RAJENDRAN, HAFNA S N, PARVATHY RAVI, SIYA S, who are the students of final year(6th semester) BSC Physics, St John's College, Anchal and that no part of this project has been submitted earlier or elsewhere for similar purpose.

DR BENZON K B

Assistant professor and Head

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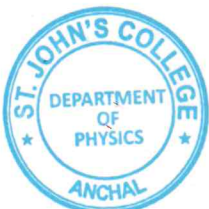
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Signature of Examiner

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DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that the project report entitled "Determination of the Refractive Indices of Various Liquids Using A Hollow Prism" is a bonafide work of Akash . K . Anil (23020138001), Anusree S M (23020138005), Devika B (23020138009) and Aiswarya B J (230201380014) of CBCSS Bsc Physics of Department of Physics, St. John's College Anchal , Kollam during the period of 2020-2023.

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Head of the Department
& Assistant Professor
St. John's College
Anchal , Kollam.

Signature :



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Submitted for BSc. Physics Degree University Examination May 2023

Signature of Examiner

1:

Rlp
17/5/23

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M
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Date :

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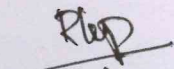

12/05/2023
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