

CERTIFICATE

This is to certify that **Mr. ANIL SINGH RAJAWAT** has completed his project work entitled, "**Synthesis and Characterization of Nickel Sulphate thin film by using SILAR Method**" in partial fulfillments for the requirements for the award of **Bachelr of Science Degree in ~~Physics~~** at DR. B.N Purandare Arts & Smt S.G Gupta Science and commerce College is an authentic work carried out by her under my supervision and guidance.

Roll no: 8411

Seat no:

P. Pooja
19/03/19

PROF. POOJA .P. UMATE
Project Guide

B.N. Pawar

DR. B.N. PAWAR
Head of Department

P. Pooja
19/03/19

Examiner's signature:

P. Pooja
19/03/19
Internal Exam

BONAFIDE CERTIFICATE

Certified that this project report "Study of Refractive Index of Sugar solutions using Hollow prism" is the bonafide work of "Ashish Ujgare" of T. Y. B. Sc. (Physics) during the academic year 2018- 2019 who carried out the project work under my supervision.


Dr. Dr. B. N. Pawar

SUPERVISOR

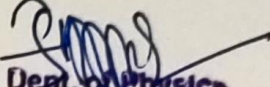
DEPARTMENT OF PHYSICS,

DR. B.N.PURANDARE ARTS & SMT.

SHANTIDEVI GOPICHANDAJI GUPTA

COMMERCE & SCIENCE

COLLEGE, LONAVALA-410401.


Head, Dept. of Physics
LonaVala Education Trust
Dr. B.N. Purandare Arts
Smt. S. G. Gupta Commerce &
Science College LonaVala - 410401
Dr. B. N. Pawar

HEAD OF THE DEPARTMENT

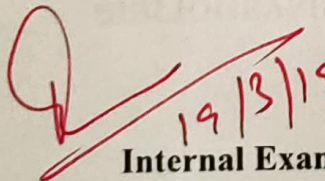
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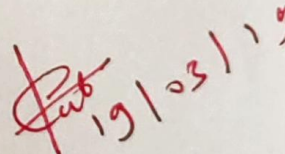
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COMMERCE & SCIENCE

COLLEGE, LONAVALA-410401.

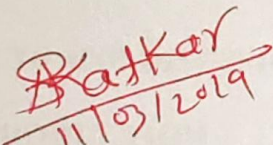

19/3/19
Internal Examiner


19/03/19
External Examiner



BONAFIDE CERTIFICATE

Certified that this project report "SYNTHESIS OF Cu_2O NANOPARTICLES USING WHEATGRASS FOR ITS OPTICAL PROPERTIES" is the bonafide work of "KOMAL LAXMAN DABHADE" of T. Y. B. Sc. (Physics) during the academic year 2018-2019 who carried out the project work under my supervision.


Dr. Amar S. Katkar

SUPERVISOR


DEPARTMENT OF PHYSICS,

DR. B.N.PURANDARE ARTS & SMT.

SHANTIDEVI GOPICHANDAJI GUPTA

COMMERCE & SCIENCE

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Head, Dept. of Physics
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Smt. S. G. Gupta Commerce &
Science College LonaVala 410401

Dr. B. N .Pawar

HEAD OF THE DEPARTMENT

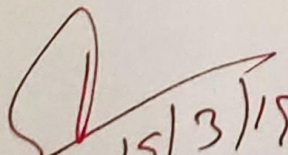
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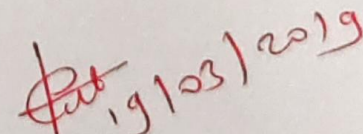
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SHANTIDEVI GOPICHANDAJI GUPTA

COMMERCE & SCIENCE

COLLEGE, LONAVALA-410401.


15/3/19
Internal Examiner


19/03/2019
External Examiner

CERTIFICATE

This is to certify that **Mr. ANIL SINGH RAJAWAT** has completed his project work entitled, "**Synthesis and Characterization of Nickel Sulphate thin film by using SILAR Method**" in partial fulfillments for the requirements for the award of **Bachelr of Science Degree in Physics** at **DR. B.N Purandare Arts & Smt S.G Gupta Science and commerce College** is an authentic work carried out by her under my supervision and guidance.

Roll no: **8411**

Seat no:

P. Pooja .P. Umate
19/03/19

PROF. POOJA .P. UMATE
Project Guide

B.N. Pawar

DR. B.N. PAWAR
Head of Department

Prof
19/03/19
Examiner's signature:

Prof
15/3/19
Internal Exam

Examination Seat No: 8428

BONAFIDE CERTIFICATE

Certified that this project report "**The duster cleaner**" is the bonafide work of "**Lipika R gupta**" of T. Y. B. Sc. (Physics) during the academic year 2018- 2019 who carried out the project work under my supervision.

Katkar
10/03/2019

Dr. Amar S. Katkar

SUPERVISOR

DEPARTMENT OF PHYSICS,

DR. B.N.PURANDARE ARTS & SMT.

SHANTIDEVI GOPICHANDAJI GUPTA

COMMERCE & SCIENCE

COLLEGE, LONAVALA-410401.

[Signature]
Head, Dept. of Physics
Educator Trusts
Dr. B.N. Purandare Arts
Smt. S. G. Gupta Commerce &
Science College, LonaVala - 410401.
Dr. B. N. Pawar

HEAD OF THE DEPARTMENT

DEPARTMENT OF PHYSICS,

DR. B.N.PURANDARE ARTS & SMT.

SHANTIDEVI GOPICHANDAJI GUPTA

COMMERCE & SCIENCE

COLLEGE, LONAVALA-410401.

[Signature]
19/03/19

Internal Examiner

[Signature]
19/03/19

External Examiner

CERTIFICATE

This is to certify that **Ms.Khan Shamimbano samiulla** has completed his project work entitled, "**Synthesis and Characterization of Iron oxide thin film by using SILAR Method**" in partial fulfillments for the requirements for the award of **Bachelor of Science Degree in Physics** at **Dr.B.N Purandare Arts & SMT.Shantidevi Gopichandaji Gupta Commerce and Science college Lonavla. 410401** is an authentic work carried out by her under my supervision and guidance.

Seat no: 8430

P. Pooja
19/03/19

Miss.Pooja Umate
Project Guide

Dr. B.N. Pawar

Dr.B.N Pawar
Head of Department

Dr. P. Pooja
19/03/19


Examiner's signature:

Dr. P. Pooja
19/03/19
Internal Examiner

Examination Seat No: 49017

BONAFIDE CERTIFICATE


Certified that this project report "SYNTHESIS OF Cu_2O NANOPARTICLES USING WHEATGRASS FOR ITS OPTICAL PROPERTIES" is the bonafide work of "DIPTI S. MUSALE" of T. Y. B. Sc. (Physics) during the academic year 2018- 2019 who carried out the project work under my supervision.


19/03/2019
Dr. Amar S. Katkar

SUPERVISOR

DEPARTMENT OF PHYSICS,

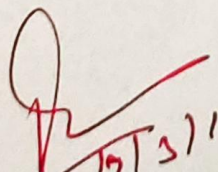
DR. B.N.PURANDARE ARTS & SMT.
SHANTIDEVI GOPICHANDAJI GUPTA
COMMERCE & SCIENCE
COLLEGE, LONAVALA-410401.

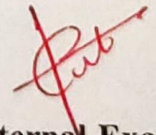

Head, Dept. of Physics
LonaVala Education Trusts
Dr. B.N. Purandare Arts
& Smt. S. G. Gupta Commerce &
Science College, LonaVala

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DEPARTMENT OF PHYSICS,

DR. B.N.PURANDARE ARTS & SMT.
SHANTIDEVI GOPICHANDAJI GUPTA
COMMERCE & SCIENCE
COLLEGE, LONAVALA-410401.

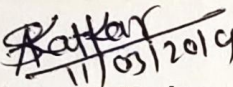

19/3/19
Internal Examiner


External Examiner

Examination Seat No: 8437

BONAFIDE CERTIFICATE

Certified that this project report "The duster cleaner" is the bonafide work of "*Karan S Yadav*" of T. Y. B. Sc. (Physics) during the academic year 2018- 2019 who carried out the project work under my supervision.


11/03/2019
Dr. Amar S. Katkar

SUPERVISOR


DEPARTMENT OF PHYSICS,

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& S. G. Gupta Commerce &
Science College, LonaVala

Dr. B. N .Pawar

HEAD OF THE DEPARTMENT

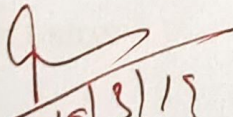
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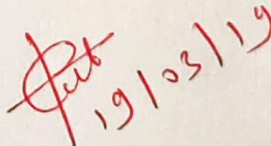
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SHANTIDEVI GOPICHANDAJI GUPTA

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COLLEGE,LONAVALA-410401.


19/03/19
Internal Examiner


19/03/19
External Examiner