



Department of physics

G.M.D.Arts , B.W.Commers and Science College ,

Sinnar .

Year - 2021-22

A.

Project Report on

"Refractive index of different liquid using

Hollow Prism "

Submitted in a partial Fulfillment of the Requirement for the

Bachelor of Science

In Physics

Submitted by ,

Mr . Binnar Namdev Sanjay

B.Sc. (Physics)

Roll No. 1

Department of physics


G.M.D. Arts , B.W , Commers and Science College ,

Sinnar


Year - 2021-22

CERTIFICATE

This is certify that , Mr.Binnar Namdev Sanjay of class T.Y.B.Sc. (Physics) , has satisfactorily completed her project work as per laid by the UNIVERSITY OF PUNE entitled as " Refractive index of different liquids " during academic year 2021-22


Project Guide
25/10/2022
Prof. M.D. Shinde


Examiner


Head of Department
Prof. Dr. M.K. Zate


25/10/22

Maratha Vidya Prasarak Samaj, Nashik

**G.M.D. ARTS, B .W. COMMERCE AND SCIENCE
COLLEGE, SINNER.**



A

Project Report

On

Two Digit Digital Counter

PRESENTED BY

BODAKE VAISHALI SOPAN

T.Y.B.SC. (PHYSICS)

GUIDED BY

PROF: Mr. S. R. Kute

DEPT. OF PHYSICS

YEAR (2021-22)



Maratha Vidya Prasarak Samaj, Nashik.

G. M. D. Arts. B. W. Commerce and Science Collage,
Sinner.

Examination seat no. :

Certificate

This is to certify that the project report

Two Digit Digital Counter

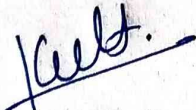
Has been carried out in our premises by -


Bodake Vaishali Sopan


Under my guidance in partial fulfilment of the requirement for
Second Year of T.Y.B.Sc. during the academic year (2021-22)

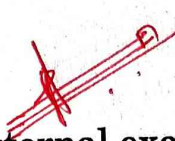
In

SAVITRIBAI PHULE UNIVERSITY OF PUNE, PUNE411007


Prof. S. R. Kute
Guided Teacher


Prof. Dr. M. K. Zate
Head of Department


Internal examiner


External examiner

Maratha Vidya Prasarak Samaj, Nashik

**G.M.D. ARTS, B .W. COMMERCE AND SCIENCE
COLLEGE, SINNER.**



A

Project Report

On

System to Control Air Pollution

PRESENTED BY

Chavanke Aakanksha Pandurang

T.Y.B.SC. (PHYSICS)

GUIDED BY

PROF: S.R.Kute

DEPT. OF PHYSICS

YEAR (2021-22)



Maratha Vidya Prasarak Samaj, Nashik.
G. M. D. Arts. B. W. Commerce and Science Collage,
Sinner.

Examination seat no. :

Certificate

This is to certify that the project report

System to Control Air Pollution

Has been carried out in our premises by -

Chvanke Aakash Pandurang

Under my guidance in partial fulfilment of the requirement for
Second Year of T.Y.B.Sc. during the academic year (2021-22)

In

SAVITRIBAI PHULE UNIVERSITY OF PUNE, PUNE411007

Prof. S. R. Kute
Guided Teacher

Prof. Dr. M. K. Zate
Head of Department

Internal examiner

External examiner



**G.M.D.ARTS, B.W.COMMERCE AND SCIENCE
COLLEGE, SINNER, TAL-SINNAR, DIST-NASHIK**

**A
PROJECT REPORT
ON**

**“LEE’S METHOD IN THERMAL
CONDUCTIVITY...”**

PRESENTED BY

MISS. DHOBLE RUTUJA RAJENDRA

TYBSC - PHYSICS

**PROJECT GUIDE
MR. SHINDE SIR**

**SUBMITTED FOR YEAR
2021 - 2022**

SAVITRIBAI PHULE PUNE UNIVERSITY
G.M.D. ARTS, B.W. COMMERCE AND SCIENCE
COLLEGE, SINNAR.

Tal- Sinnar, Dist-Nashik



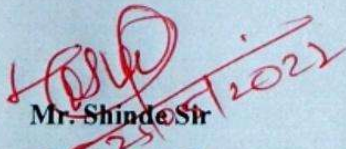
University of Pune

DEPARTMENT OF PHYSICS

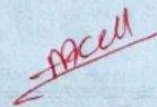
2021-2022

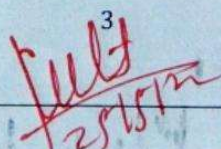
CERTIFICATE

This is certify that **MISS. DHOBLE RUTUJA RAJENDRA** of class **T.Y.B.Sc (Physics)**, has satisfactory completed her Project work as per rule laid down by the Savitribai Phule Pune University entitled as: "**Lee's Method In Thermal Conductivity**" during academic year 2021-2022.


Mr. Shinde Sir
Project Guide


Examiner


Prof. Dr. M. K. Zate
Head of department


Head of Department

Roll No - 5

Department of physics

G.M.D. Arts , B.W , Commers and Science College ,

Sinnar

Year - 2021-22

CERTIFICATE

This is certify that , Mr.Ghegadamal Rohan Sunil of class T.Y.B.Sc. (Physics) , has satisfactorily completed her project work as per laid by the UNIVERSITY OF PUNE entitled as " Refractive index of different liquids " during academic year 2021-22


Project Guide

Prof. M.D.Shinde


Examiner


Head of Department

Prof.Dr.M.K.Zate


25/05/2022



Department of physics

G.M.D.Arts , B.W.Commers and Science College ,

Sinnar .

Year - 2021-22

A

Project Report on

"Refractive index of different liquid using

Hollow Prism "

Submitted in a partial Fulfillment of the Requirement for the

Bachelor of Science

In Physics

Submitted by ,

Mr . Ghegadmal Rohan Sunil

B.Sc. (Physics)

PROJECT REPORT
ON

“ TESLA COIL ”

Submitted to,

Savitribai Phule Pune University Pune,
Pune411 007

By,

Miss.Gosavi Pradnya Ashokpuri

*G.M.D., Arts,B.W.Commerce and Science and
College, Sinnar*

For the degree of B.S.C (Physics)

Under the guidance of

Prof. S.C. Potkule

Assistant Professor

Department of Physics,

G.M.D., Arts, B.W. Commerce and Science College Sinnar, Sinnar (Nashik)





Maratha Vidya Prasarak Samaj, Nashik

G.M.D.Arts,B.W.Commerce and Science
College Sinnar,Sinnar(Nashik)

Examination Seat No: 06

CERTIFICATE

This is to Certified that the project report

“ TESLA COIL ”

Has been carried out in our premises by -

Miss.Gosavi Pradnya Ashokpuri

Under my guidance in partial fulfillment of the requirement for Third year of BSc
during the academic year 2021-22.

In SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411 007

S.C.Potkule
25/05/2022
Prof. S.C.POTKULE
Guide Teacher

M.K.Zate
25/05/2022
Internal examiner

M.K.Zate
25/05/2022
DR M.K.ZATE
Head
Department of Physics

Kulb
25/05/22
External examiner



PROJECT REPORT

ON

“WIRELESS POWER TRANSFER”

Submitted to,

Savitribai Phule Pune University Pune,

Pune 411 007

By,

MISS. GURULE POOJA DINKAR

GMD Arts, BW Commerce And Science College Sinnar

For the degree of B. Sc. (Physics)

Under the guidance of

Prof. S. C. Potkule

Assistant Professor

Department of Physics,

GMD Arts, BW Commerce And Science College sinnar



Maratha Vidya Prasarak Samaj, Nashik
GMD Arts, BW Commerce And Science
College Sinnar

Examination Seat No: 07.

CERTIFICATE

This is to Certified that the project report

“WIRELESS POWER TRANSFER”

Has been carried out in our premises by -

Miss. Gurule Pooja Dinkar

Under my guidance in partial fulfillment of the requirement for
Third Year of B.Sc. during the academic year 2021-22

In
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411 007

S
25/05/2022

Prof. S. C. Potkule
Guide Teacher

Maceel
25/05/2022

Prof. Dr. M. K. Zate
Head
Department of Physics

field
25/05/22

Maratha Vidya Prasark Samaj , Nashik

**G.M.D. Arts, B.W. Commerce and Science
College, Sinnar.**



A

PROJECT REPORT

ON

“Rain Water Detector”

PRESENTED BY-

JAGTAP VAISHANAVI LAHANU

T.Y.BSc. (PHYSICS)

GUIDED BY

PROF.S.C.POTKULE

DEPT. OF PHYSICS

(YEAR 2021-22)



Maratha Vidya Prasark Samaj , Nashik

G.M.D. Arts, B.W. Commerce and Science College, Sinnar

Examination Seat No: 8

Certificate

This is to Certified that the project report

“ Rain Water Detector ”

Has been carried out in our premises by -

JAGTAP VAISHANAVI LAHANU

Under my guidance in partial fulfillment of the requirement for

Third Year of B.Sc. during the academic year 2021-22

In

UNIVERSITY OF PUNE, PUNE 411 007

S.C. Potkule
25/11/2022

Prof. S.C.POTKULE
Guide Teacher
Department of Physics

M.K. Zate

Prof. M.K. ZATE
Head Of Department

Internal Examiner

Internal examiner

External Examiner
25/11/2022

External examiner

PROJECT REPORT

ON

“ SOLAR STILL ”

Submitted to,

Savitribai Phule Pune University Pune,

Pune411 007

By,

Ms. Jondhale Sonali Ratnakar

*G.M.D., Arts, B.W. Commerce and Science and
College, Sinnar*

For the degree of T.Y.BSC (Physics)

Under the guidance of

Prof. S . C . POTKULE

Assistant Professor

Department of Physics,

G.M.D., Arts, B.W. Commerce and Science College Sinnar, Sinnar (Nashik)





Maratha Vidya Prasarak Samaj, Nashik
G.M.D.Arts,B.W.Commerce and Science
College Sinnar,Sinnar(Nashik)

Examination Seat No: 9

CERTIFICATE

This is to Certified that the project report

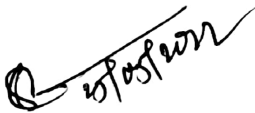
“ SOLAR STILL ”


Has been carried out in our premises by -


Mr. Jondhale Sonali Ratnakar

Under my guidance in partial fulfillment of the requirement for T.Y.BSC
during the academic year 2021-22 .

In SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411 007


Prof. S.C.POTKULE
Guide Teacher


25/05/2022
Internal examiner


Prof. M.K.ZATE
Head
Department of Physics


External examiner



Maratha Vidya Prasarak Samaj , Nashik

**G.M.D. Arts, B.W. Commerce and Science
College, Sinnar.**



A

PROJECT REPORT

ON

**“TO STUDY OF ULTRASONIC VELOCITY OF
SOUND IN A BINARY MIXTURE OF LIQUID:
PETROL & KEROSENE”**

PRESENTED BY-

LANDGE PRITI MANOHAR

T.Y.BSc. (PHYSICS)

GUIDED BY

Prof. A.N.KARNJEKAR

DEPT. OF PHYSICS

(YEAR 2021-22)





Maratha Vidya Prasark Samaj , Nashik

G.M.D. Arts, B.W. Commerce and Science College, Sinnar

Examination Seat No: 11

Certificate

This is to Certified that the project report

**“TO STUDY OF ULTRASONIC VELOCITY OF
SOUND IN A BINARY MIXTURE OF LIQUID:
PETROL & KEROSENE”**

Has been carried out in our premises by -

LANDGE PRITI MANOHAR

Under my guidance in partial fulfillment of the requirement for
Third Year of B.Sc. during the academic year 2021-22

In

3/10/2022
Prof. A.N. KARNJEKAR
Guide Teacher
Department of Physic

25/05/2022
Internal examiner

M.K. Zate
Prof. M.K. ZATE
Head of Department

M.K. Zate
External examiner

Maratha Vidya Prasarak Samaj , Nashik
G.M.D. Arts , B.W. Commerce and Science College , Sinnar .

Examination seat no. – 12



A Project Report on
SYNTHESIS OF CARBON QUANTUM DOTS (CQDs)

PRESENTED BY
LONDHE SHRUTI ANIL
T.Y.B.Sc. (PHYSICS)

GUIDED BY
PROF. A.N.KARANJEKAR

DEPAT. OF PHYSICS

YEAR-(2021-2022)



Maratha Vidya Prasarak Samaj, Nashik

G.M.D. Arts, B.W. Commerce and Science College ,

Sinnar

Examination seat no.-

CERTIFICATE

This is to certify that the project report **SYNTHESIS OF CARBON QUANTUM DOTS (CQDs)** has been carried out in our premises by **Londhe Shruti Anil** Under my guidance in partial fulfillment of the requirement for **Third Year of B.Sc.** during the academic year **2021-2022**

in

SAVITRIBAI PHULE UNIVERSITY OF PUNE, PUNE-411007

27/10/2022
Prof. A.N.KARANJEKAR

Guided Teacher

Internal examiner

28/10/2022
Prof. Dr.M.K.ZATE

Head of Department

External examiner



Maratha Vidya Prasark Samaj , Nashik

G.M.D. Arts, B.W. Commerce and Science College, Sinnar

Examination Seat No: 13

Certificate

This is to Certified that the project report

“Library management System”

Has been carried out in our premises by -

Kushwaha madhu ajit

Under my guidance in partial fulfillment of the requirement for

Third Year of B.Sc. during the academic year 2021-22

si
23/5/2022
Prof. A.N. KARNJEKAR

Guide Teacher

Department of Physics

PA cel
Internal examiner

PA cel
28/05/2022
Prof. M.K. ZATE

Head of Department

PA cel
External examiner

Maratha Vidya Prasarak Samaj, Nashik

**G.M.D. ARTS, B .W. COMMERCE AND SCIENCE
COLLEGE, SINNER.**



A

Project Report

On

Automatic Wash Basin Tap Controller

PRESENTED BY

Mali Kaveri Appasaheb

T.Y.B.SC. (PHYSICS)

GUIDED BY

PROF: B.D.PATIL

DEPT. OF PHYSICS

YEAR (2021-22)





Maratha Vidya Prasarak Samaj, Nashik
G. M. D. Arts, B. W. Commerce and Science Collage,
Sinner.

Examination seat no. :

Certificate

This is to certify that the project report

Automatic Wash Basin Tap Controller

Has been carried out in our premises by -

Mali Kaveri Appasaheb

Under my guidance in partial fulfilment of the requirement for
Second Year of TYBSc during the academic year (2021-22)

In

SAVITRIBAI PHULE UNIVERSITY OF PUNE, PUNE-411007

Prof. B. D. Patil

Guided Teacher

Department of Physics

Internal examiner

Prof. A. B. Chavan.

Head Department

External examiner





Maratha Vidya Prasark Samaj , Nashik

G.M.D. Arts, B.W. Commerce and Science College, Sinnar

Examination Seat No: 15

Certificate

This is to Certified that the project report

“Contact Manager”

Has been carried out in our premises by -

Mokal dishant pandit

Under my guidance in partial fulfillment of the requirement for
Third Year of B.Sc. during the academic year 2021-22

30/01/2022
Prof. A.N.KARNJEKAR
Guide Teacher
Department of Physics

*AA ckt
28/01/2022*
Internal examiner

AA ckt
Prof. M.K. ZATE
Head of Department

K. S. S.
External examiner

Maratha Vidya Prasark samaj, Nashik

G.M.D. Arts, B.W commerce and science

College Sinnar



**A PROJECT REPORT ON
"EARTHQUAKE ALARAM"**

PRESENTED BY

NIMASE SUVARNA BALASAHEB

T.Y.BSc. (Physics)

GUIDED BY

PROF. B.D.PATIL

DEPT. OF PHYSICS. (YEAR 2021-22)



Maratha Vidya Prasark samaj, Nashik

G.M.D. Arts, B.W commerce and science

College Sinnar

Examination Seat No:

CERTIFICATE

This is to certified that the project report,

“ EARTHQUAKE ALARAM ”

Has been carried out in premises by

NIMASE SUVARNA BALASAHEB

**Under my guidance in partial fulfillment of the requirement for third year of Bsc.During the
academic year 2021-2022**

SAVITRIBAI PHULE UNIVERSITY OF PUNE 411007

Prof. B.D.PATIL

Teacher guide

Physics

Patil
25/05/22

Prof.Zate Sir

Head Department of

Zate
25/05/22



Maratha Vidhya Prasarak Samaj

G.M.D. ARTS , B.W.COMMERCE &SCIENCE COLLEGE, SINNER

EXAMINATION SEAT NO. 22974

CERTIFICATE

This is to certify that project entitled

SOLAR DRYER

has been satisfactorily completed by

SAHANE Kartikee bhausheb

In practical fulfillment of requirement of third year of B.Sc Physics for

Academic year 2021-2022

IN

SAVITRYBAI PHULE UNIVERSITY OF PUNE 411-001

Prof. patil mam

^{PA cell}
Prof. M.K. Zate

Guide teacher,

Head of dept, sinner college.

^{PA cell}
Patil
25/05/22

Internal Examiner

^{PA cell}
Zate
25/05/22
External Examiner

^{PA cell}
25/05/2022



Maratha Vidhya Prasarak Samaj

A PROJECT REPORT ON

“THE COMPARATIVE STUDY OF FINDING WAVELENGTH
OF LASER BY USING VARIOUS METHOD”

SUBMITTED BY

SAHANE POOJA BHARAT

T.Y. B.Sc. (Physics)

Exam Seat no.

GUIDED BY

PROF. B.D.PATIL MADAM

Department of Physics

G.M.D. ARTS, B.W.COMMERCE & SCIENCE COLLEGE, SINNER

NASHIK(2021-22)



Maratha Vidhya Prasarak Samaj

G.M.D. ARTS , B.W.COMMERCE & SCIENCE COLLEGE, SINNER

EXAMINATION SEAT NO.

CERTIFICATE

This is to certify that project entitled

*"COMPARITIVE STUDY OF FINDING WAVELENGTH OF LASER BEAM BY
USING VARIOUS METHOD"*

has been satisfactorily completed by

SAHANE POOJA BHARAT

In practical fulfillment of requirement of third year of B.Sc Physics for

Academic year 2021-2022

IN

SAVITRYBAI PHULE UNIVERSITY OF PUNE 41 1-001

Prof. B.D.PATIL

Guide teacher,

Patil
25/05/22

Internal Examiner

Prof. M.K. Zate

Head of dept, sinner college.

Zate
25/05/22

External Examiner

Patil
28/05/2022



Department Of Physics

G.M.D.Arts, B.W.Commers and Science College, Sinnar

Year-2021-22

A

Project Report on

"HYDROELECTRICTY POWER PLANT "

Submitted in a partial Fulfillment of the Requirement for the
Bachelor of Science
In Physics

Submitted by,

Mr. Sahane Prasad Balasaheb

B.Sc. (Physics)

Department of physics

**G.M.D. Arts, B.W, Commers and Science College,
Sinnar
Year-2021-22**

CERTIFICATE

This is certify that, Mr. **Sahane Prasad Balasaheb** of class T.Y.B.Sc. (Physics), has satisfactorily completed his project work as per laid by the UNIVERSITY OF PUNE entitled as " "Hydroelectricity Power Plant " during academic year 2021-22

Patil
25/05/22

Project Guide

Prof.B.D. Patil

Madd

Examiner

M.K.Zate
28/05/2022

Head of Department

Prof.Dr.M.K.Zate

Patil
25/5/22



Department Of Physics

G.M.D.Arts, B.W.Commers and Science College,Sinnar

Year-2021-22

A

Project Report on

**"DESIGN AND REALISATION OF A PARABOLIC
SOLAR COOKER "**

Submitted in a partial Fulfillment of the Requirement for the
Bachelor of Science
In Physics

Submitted by,


Mr.Shintre Aniket Sharad

B.Sc. (Physics)

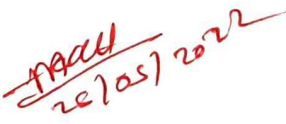
Department of physics
G.M.D. Arts, B.W, Commers and Science College,
Sinnar
Year-2021-22

CERTIFICATE

This is certify that, Mr. **Shintre Aniket Sharad** of class T.Y.B.Sc. (Physics), has satisfactorily completed his project work as per laid by the UNIVERSITY OF PUNE entitled as " "Design And Realisation Of A Parabolic Solar Cooker" during academic year 2021-22


25/05/2022
Project Guide
Prof. V.B. Gunjal


25/5/22
Examiner


22/05/2022
Head of Department
Prof. Dr. M.K. Zate



Maratha Vidya Prasarak samaj, Nashik
G.M.D. Arts, B.W commerce and science

College Sinnar



A PROJECT REPORT ON

"CLAP SWITCH"

PRESENTED BY

SHIRTAR SEEMA KAILAS

Roll NO - 23

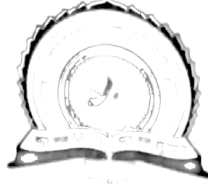
T.Y.BSc. (Physics)

GUIDED BY

PROF. GUNJAL MAM

DEPT. OF PHYSICS. (YEAR 2021-22)





Maratha Vidya Prasark samaj, Nashik
G.M.D. Arts, B.W commerce and science

College Sinnar

Examination Seat No:

CERTIFICATE

This is to certified that the project report,

"CLAP SWITCH"

Has been carried out in premises by

SHIRTAR SEEMA KAILAS

Under my guidance in partial fulfillment of the requirement for third year of Bsc.During the
academic year 2021-2022


25/05/2022
Prof. Gunjal Mam

Teacher guide

Physics


25/05/2022
Internal Examiner

SAVITRIBAI PHULE UNIVERSITY OF PUNE 411007


Prof.Zate Sir

Head Department of


25/05/2022
External Examiner



Maratha Vidya Prasarak Samaj, Nashik

**G.M.D. ARTS, B .W. COMMERCE AND SCIENCE
COLLEGE, SINNER.**



A

Project Report

On

X-Ray Diffraction Study

PRESENTED BY

Singh Nitesh Umendra

T.Y.B.SC. (PHYSICS)

GUIDED BY

PROF: B.D.PATIL

DEPT. OF PHYSICS

YEAR (2021-22)



Maratha Vidya Prasarak Samaj, Nashik.

G. M. D. Arts. B. W. Commerce and Science Collage,
Sinner.

Examination seat no. :

Certificate

This is to certify that the project report

X-Ray Diffraction Study

Has been carried out in our premises by -

Singh Nitesh Umendra

Under my guidance in partial fulfilment of the requirement for
Second Year of TYBSc during the academic year (2021-22)

In

SAVITRIBAI PHULE UNIVERSITY OF PUNE, PUNE411007

Prof. B. D. Patil

Guided Teacher

Department of Physics

Internal examiner

Prof. A. B. Chavan.

Head Department

External examiner



MARATHA VIDYA PRASARK SAMAJ'S

G.M.D.ARTS, B.W. COMMERCE AND SCIENCE COLLEGE, SINNAR.

TAL- SINNAR, DIST-NASHIK

DEPARTMENT OF PHYSICS

2021-22

CERTIFICATE

This is certify that, Mr. Sapnar Akash Jalindar of class T.Y.B.Sc. (Physics), has satisfactorily completed her project work as per rule laid down by the Savitribai Phule Pune University entitled as: "**LASER COMMUNICATION**" During academic year 2021-22.

Prof. B.D.Patil
Guide

Internal Examiner

Dr.M.K.Zate
Head of Department

External Examiner



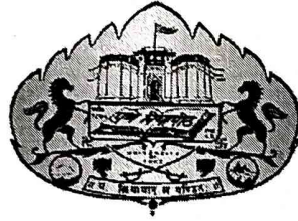
A

**PROJECT REPORT ON
"LASER COMMUNICATION"**

SUBMITTED BY

Mr.Sapnar Akash Jalindar

In Partial fulfillment of T.Y.B.Sc. in Physics



SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY

**G.M.D. ARTS B.W COMMERCE AND SCIENCE COLLEGE SINNAR
YEAR 2021-22**