

Department of Physics

III B.Sc., List of Students Internship and Staff Incharge - 2023-24

The following list of students underwent internship training at Taark Electrical Vehicle at Pollachi, Solar Power Plant at Udumalpet and Informatics at SNS College of Technology, Coimbatore.

S. No.	Reg. No.	Name of the Student	Field of the Project	Details of the Project	Staff In-charge
1	20-PH-14	Krishna Priya.T	ARJA Energy's	Generation of Solar Energy	Dr.A.Suresh Kumar
2	21-PH-02	Bagavathi.R	ARJA Energy's	Generation of Solar Energy	
3	21-PH-06	Nibun Vignesh.G	ARJA Energy's	Generation of Solar Energy	Dr.K.Somasundaram
4	21-PH-10	Sivaganeshan.S	ARJA Energy's	Generation of Solar Energy	
5	21-PH-14	Arunthathi.M	ARJA Energy's	Generation of Solar Energy	
6	21-PH-15	Deepika.S	ARJA Energy's	Generation of Solar Energy	
7	21-PH-16	Gayathri.K	ARJA Energy's	Generation of Solar Energy	
8	21-PH-19	Rajalakshmi.R	ARJA Energy's	Generation of Solar Energy	
9	21-PH-21	Santhiya.B	ARJA Energy's	Generation of Solar Energy	
10	21-PH-23	Sherin Chithara.K	ARJA Energy's	Generation of Solar Energy	
11	21-PH-25	Thulasikkani.V	ARJA Energy's	Generation of Solar Energy	
12	20-PH-22	Sivaranjini.G	SNS College of Technology	Python Programming	Dr.T.Ponraj
13	21-PH-01	Ajith Kumar.E	SNS College of Technology	Python Programming	
14	21-PH-03	Bagavathi Raj.C	SNS College of Technology	Python Programming	
15	21-PH-04	Dhanush.C	SNS College of Technology	Python Programming	
16	21-PH-08	Ravi Kumar.S	SNS College of Technology	Python Programming	
17	21-PH-09	Sanjay.R	SNS College of Technology	Python Programming	

18	21-PH-11	Sri Vikram.M	SNS College of Technology	Python Programming	Dr.T.Ponraj
19	21-PH-17	Pavithra.S	SNS College of Technology	Python Programming	
20	21-PH-20	Sabira Barkath.M.I	SNS College of Technology	Python Programming	
21	21-PH-07	Prabu.S	TAARK Equipments	E-Vehicle (load) manufacturing	Dr.S.Shanmughapriya
22	21-PH-05	Hari Sudhan.A	TAARK Equipments	E-Vehicle (load) manufacturing	Dr.V.Saravanan
23	21-PH-18	Prasanna.S	TAARK Equipments	E-Vehicle (load) manufacturing	
24	21-PH-22	Sheela.P	TAARK Equipments	E-Vehicle (load) manufacturing	

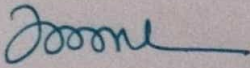
Dr. T.E. Manjulavalli, M.Sc.,M.Phil.,Ph.D.,
Assistant Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

PRINCIPAL
N. G. M. COLLEGE, POLLACHI

CERTIFICATE

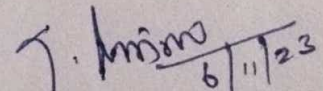
This is to certify that the project, entitled "PYTHON BASED SIMULATION AND ANALYSIS IN PHYSICS," submitted to Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, affiliated with Bharathiar University, in partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Physics, is a record of original internship project done by BAGAVATHIRAJ C (21-PH-03), RAVIKUMAR S (21-PH-08) and SRI VIKRAM M (21-PH-11) during the period of their study from 2023 to 2024 in the Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi, under my guidance. These reports have not formed the basis for the award of any degree/ diploma/ associateship/ fellowship or any other similar title to any candidate of any university.

Countersigned



Head of the Department

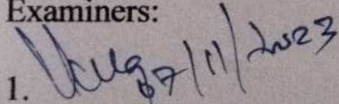
Dr. T.E. Manjula Valli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

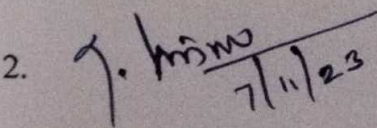


Signature of the Guide

Submitted for the Viva-voices examination held on 07.11.2023 at Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners:

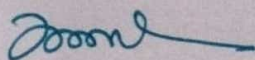
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2.  07/11/2023

CERTIFICATE

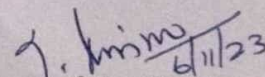
This is to certify that the project, entitled "**PYTHON BASED SIMULATION AND ANALYSIS IN PHYSICS**," submitted to **Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi**, affiliated with Bharathiar University, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Science in Physics**, is a record of original internship project done by **PAVITHRA S (21-PH-17)**, **SABIRA BARKATH M I (21-PH-20)** and **SIVARANJINI G (20-PH-22)** during the period of their study from 2023 to 2024 in the **Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi**, under my guidance. These reports have not formed the basis for the award of any degree/ diploma/ associateship/ fellowship or any other similar title to any candidate of any university.

Countersigned



Head of the Department

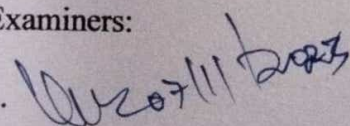
Dr. T.E. Manjulavalli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of **Physics**
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

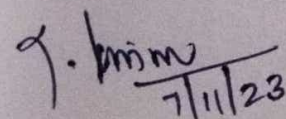


Signature of the Guide

Submitted for the Viva-voices examination held on..... **07-11-2023** at Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners:

1. 

2. 

CERTIFICATE

This is to certify that the project, entitled "**PYTHON BASED SIMULATION AND ANALYSIS IN PHYSICS**," submitted to **Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi**, affiliated with Bharathiar University, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Science in Physics**, is a record of original internship project done by **AJITH KUMAR E (21-PH-01), DHANUSH C (21-PH-04), and SANJAY R (21-PH-09)** during the period of their study from 2023 to 2024 in the **Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi**, under my guidance. These reports have not formed the basis for the award of any degree/ diploma/ associateship/ fellowship or any other similar title to any candidate of any university.

Countersigned

Zoom!

Head of the Department

Dr. T.E. Manjularavalli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

Signature of the Guide *J. K. Sinha* 6/11/23

Submitted for the Viva-voices examination held on 07-11-2023 at Nallamuthu
Gounder Mahalingam College, Pollachi.

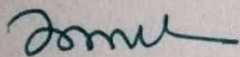
Examiners:

1. Wesley 07/11/2027
2. J. King
7/11/23

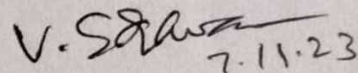
CERTIFICATE

This is to certify that the internship report, entitled "A STUDY OF COMPONENTS, BATTERY TECHNOLOGY AND DESIGN CONSIDERATIONS OF E-VEHICLES "submitted to Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, affiliated to the Bharathiar University, Coimbatore, inpartial fulfillment of the requirements for the award of degree, Bachelor of Science in Physics is a record of original internship workdone by PRASANNA. S (21-PH-18), SHEELA. P(21-PH-22), during the period (2022-2023) of their study in the Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi under my supervision and the report has not formed the basis for the award of any Degree /Diploma/ Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



Head of the Department

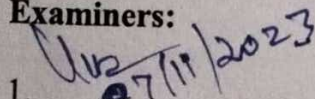
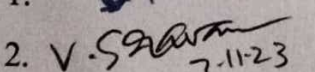


Signature of the Guide

Dr. T.E. Manjula Valli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

Submitted for the Viva-voce examination held on 07/11/2023 at Nallamuthu Gounder Mahalingam College, Pollachi.

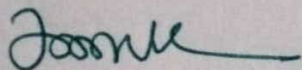
Examiners:

1.  07/11/2023
2. V. S.  7.11.23

CERTIFICATE

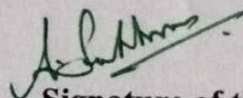
This is to certify that the internship report, entitled "SOLAR POWER SUPPLY" submitted to Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, affiliated to the Bharathiar University, Coimbatore, in partial fulfillment of the rerequirements for the award of degree, Bachelor of Science in Physics is a record of original internship work done by **T. KRISHNAPRIYA (20-PH-14)**, and **R.BAGAVATHI (21-PH-02)**, during the period (2022-2023) of their study in the Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi under my supervision and the report has not formed the basis for the award of any Degree /Diploma/ Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



Head of the Department

Dr. T.E. Manjula Valli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

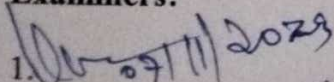
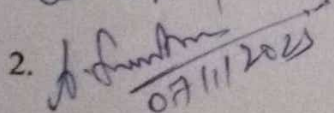


Signature of the Guide

Dr. A. SURESH KUMAR
Assistant Professor
PG and Research Department of Physics
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001, Tamil Nadu, India

Submitted for the Viva-voce examination held on 07/11/2023 at Nallamuthu Gounder Mahalingam College, Pollachi.

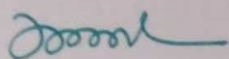
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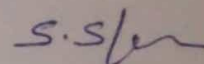
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Countersigned



Head of the Department

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Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

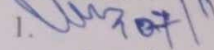
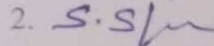


Signature of the Guide

Dr. S. SHANMUGA PRIYA, M.Sc., M.Phil., Ph.D.
Associate Professor
PG & Research Department of Physics
NGM College (Govt. Aided)
Pollachi - 642 001, Tamilnadu, India.

Submitted for the Viva-voce examination held on 07/11/2023 at
Nallamuthu Gounder Mahalingam College, Pollachi.

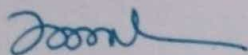
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CERTIFICATE

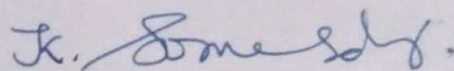
This is to certify that the internship report, entitled "PHOTOVOLTAIC POWER STATION" submitted to Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, affiliated to the Bharathiar University, Coimbatore, in partial fulfillment of the requirements for the award of degree, Bachelor of Science in Physics is a record of original internship work done by DEEPIKA S (21-PH-15), GAYATHRI K (21-PH-16), RAJALAKSHMI R (21-PH-19), during the period (2021-2024) of their study in the Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi under my supervision and the report has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



Head of the Department

Dr. T.E. Manjularavalli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.



Signature of the Guide

Submitted for the Viva-voce examination held on 07/11/2023 at Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners:

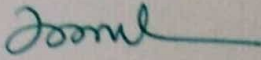
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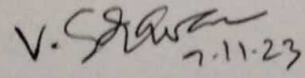
CERTIFICATE

This is to certify that the internship report, entitled "**A STUDY OF ELECTRIC VEHICLES**" submitted to Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, affiliated to the Bharathiar University, Coimbatore, in partial fulfillment of the requirements for the award of degree, Bachelor of Science in Physics is a record of original internship work done by **HARISUDHAN. A (21-PH-05)** during the period (2021-2023) of their study in the Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi under my supervision and the report has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



Head of the Department



Signature of the Guide

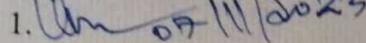
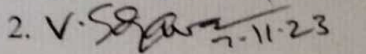
Dr. T.E. Manjula Valli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

Submitted for the Viva-voce examination held on
Nallamuthu Gounder Mahalingam College, Pollachi.

07.11.2023,

at

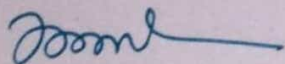
Examiners:

1.  07.11/2023
2.  7.11.23

CERTIFICATE

This is to certify that the internship report, entitled "Solar Power Supply" submitted to Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, affiliated to the Bharathiar University, Coimbatore, in partial fulfillment of the requirements for the award of degree, Bachelor of Science in Physics is a record of original internship done by Santhiya B (21-PH-21), Sherin Chithara K (21-PH-23), Thulasikkani V (21-PH-25), during the period (2022-2023) of their study in the Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi under my supervision and the report has not formed the basis for the award of any Degree/ Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



Head of the Department

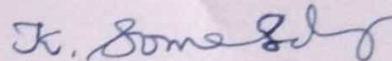
Dr. T.E. Manjula Valli, M.Sc., M.Phil., Ph.D.,

Associate Professor and Head

PG & Research Department of Physics

NGM College (Autonomous)

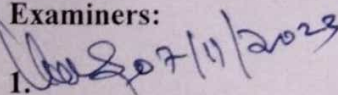
Pollachi - 642 001, Tamil Nadu.

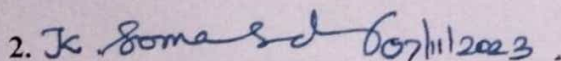


Signature of the Guide

Submitted for the Viva-voce examination held on07.11.2023..... at
Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners:

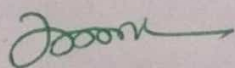
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2.  07/11/2023

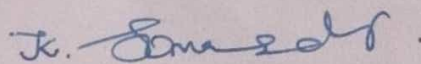
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Countersigned



Head of the Department

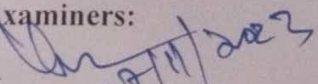
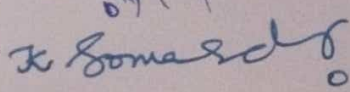


Signature of the Guide

Dr. T.E. Manjula Valli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
of the Department of Physics
Nallamuthu Gounder Mahalingam College, Pollachi

Submitted for the Viva-voce examination held on 1/11/23 at Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners:

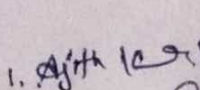
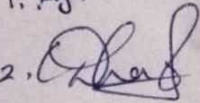
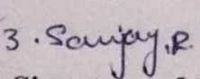
1.  07/11/2023
2.  02/11/2023

DECLARATION

We, **AJITH KUMAR E (21-PH-01)**, **DHANUSH C (21-PH-04)**, and **SANJAY R (21-PH-09)**, hereby declare that the project, entitled "**PYTHON BASED SIMULATION AND ANALYSIS IN PHYSICS**" submitted to **Nallamuthu Gounder Mahalingam College(Autonomous), Pollachi**, affiliated with Bharathiar University, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Science in Physics**, is a record of original work done by us during the period of our study from 2023 to 2024 under the guidance of **Dr. T. PONRAJ**, Assistant Professor, Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi. This report has not formed the basis for the award of any degree/ diploma/ associateship/ fellowship or other similar title to any candidate of any university.

Date: 06/11/2023

Place: Pollachi

1.  (AJITH KUMARE)
2.  (DHANUSH.C)
3.  (SANJAY.R)
Signature of the Candidate

DECLARATION

We hereby declare that the Project entitled, "**A STUDY OF COMPONENTS, BATTERY TECHNOLOGY AND DESIGN CONSIDERATIONS OF E-VEHICLES**" submitted to Nallamuthu Gounder Mahalingam College, Pollachi, affiliated to Bharathiyar University, in partial fulfillment of the requirements for the award of degree of Bachelor of physics for the reward of the original work done by us during the period 2021-2024 under the guidance of **Dr.V.SARAVANAN**, Assistant professor, Department of Physics, Nallauthu Gounder Mahalingam College, based on the observations during the internship program at "**TAARK Equipments Pvt. Ltd., Pollachi**"

PLACE: POLLACHI

DATE : 6/11/2023

S. Prasanna

Shilp

SIGNATURE OF THE STUDENTS

DECLARATION

We, PAVITHRA S (21-PH-17), SABIRA BARKATH M I (21-PH-20) and SIVARANJINI G (20-PH-22), hereby declare that the project, entitled "PYTHON BASED SIMULATION AND ANALYSIS IN PHYSICS" submitted to Nallamuthu Gounder Mahalingam College(Autonomous), Pollachi, affiliated with Bharathiar University, in partial fulfilment of the requirements for the award of the degree of Bachelor of Science in Physics, is a record of original work done by us during the period of our study from 2023 to 2024 under the guidance of Dr. T. PONRAJ, Assistant Professor, Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi. This report has not formed the basis for the award of any degree/ diploma/ associateship/ fellowship or other similar title to any candidate of any university.

Date: 06/11/2023

Place: Pollachi

1. Sivaranjini G (SIVARANJINI G)

2. Pavithra S (PAVITHRA S)

3. Sabira Barkath M I (SABIRA BARKATH M.I)

Signature of the Candidate

DECLARATION

We, **BAGAVATHIRAJ C (21-PH-03)**, **RAVIKUMAR S (21-PH-08)** and **SRI VIKRAM M (21-PH-11)**, hereby declare that the project, entitled "**PYTHON BASED SIMULATION AND ANALYSIS IN PHYSICS**" submitted to **Nallamuthu Gounder Mahalingam College(Autonomous), Pollachi**, affiliated with Bharathiar University, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Science in Physics**, is a record of original work done by us during the period of our study from 2023 to 2024 under the guidance of **Dr. T. PONRAJ, Assistant Professor, Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi**. This report has not formed the basis for the award of any degree/ diploma/ associateship/ fellowship or other similar title to any candidate of any university.

Date: 06/11/2023.

Place: Pollachi

1. *C. Bagavathiraj* (C. BAGAVATHIRAJ)
2. *S. Ravi Kumar* (S. RAVIKUMAR)
3. *Sri Vikram M* (SRI VIKRAM. M)

Signature of the Candidate

DECLARATION

We here by declare that the internship Project entitled, "SOLAR POWER SUPPLY" submitted to NALLAMUTHU GOUNDER MAHALINGHAM COLLEGE, POLLACHI, affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of degree Bachelor of Science in Physics is a record of the original work done by us during the period 2021-2024 under the guidance of DR. A. SURESH KUMAR, Assistant Professor, Department of Physics, NALLAMUTHU GOUNDER MAHALINGHAM COLLEGE, based on the observations during the internship program at "ARJA ENERGYS PVT LTD. ", Udumalpet.

DATE : 07-11-23

PLACE : POLLACHI

SIGNATURE OF THE STUDENTS

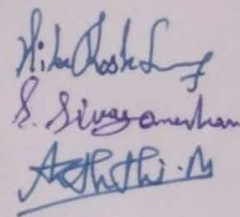
R. Bagavathi
T. KrishnaPriya

DECLARATION

We hereby declare that the internship Project entitled, "SOLAR POWER SUPPLY" submitted to NALLAMUTHU GOUNDER MAHALINGAM COLLEGE, POLLACHI, affiliated to BHARATHIAR UNIVERSITY, in partial fulfilment of the requirements for the award of degree Bachelor of Science in Physics is a record of the original work done by us during the period 2021-2024 under the guidance of Dr. K. SOMASUNDARAM, Assistant Professor, Department of Physics, NALLAMUTHU GOUNDER MAHALINGAM COLLEGE, based on the observations during the internship program at "ARJA ENERGYS PVT LTD.," UDUMALPET.

PLACE : POLLACHI

DATE : 7/11/23


S. Sivasankaran
Arathi M

SIGNATURE OF THE STUDENTS

DECLARATION

I hereby declare that the Project entitled, "A STUDY OF E-VEHICLES" submitted to Nallamuthu Gounder Mahalingam College, Pollachi, affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Physics is the record of the original work done by me during the period of (2021-2024) under the guidance of Dr. S. SHANMUGA PRIYA, Associate professor, Department of Physics, Nallamuthu Gounder Mahalingam College, based on the observations during the internship program at "TAARK Equipments Pvt. Ltd., Pollachi".

PLACE: POLLACHI

DATE : 07/11/23



SIGNATURE OF THE STUDENT

S. PRABHU

DECLARATION

We hereby declare that the internship Project entitled, "Solar Power Supply" submitted to **NALLAMUTHU GOUNDER MAHALINGHAM COLLEGE, POLLACHI**, affiliated to **BHARATHIAR UNIVERSITY**, in partial fulfillment of the requirements for the award of degree Bachelor of Science in Physics is a record of the original work done by us during the period 2021-2024 under the guidance of our esteemed **Dr. K. SOMASUNDARAM**, Assistant Professor, Department of Physics, **NALLAMUTHU GOUNDER MAHALINGHAM COLLEGE**, based on the observations during the internship program at **ARJA ENERGYS PVT LTD., UDUMALPET**.

PLACE: POLLACHI

DATE : 06-11-2023

B. Senthil

K. Gheetha

V. Thulasikan

SIGNATURE OF THE STUDENTS

DECLARATION

We hereby declare that the internship project entitled, "PHOTOVOLTAIC POWER STATION" submitted to NALLAMUTHU GOUNDER MAHALINGAM COLLEGE, POLLACHI, affiliated to BHARATHIAR UNIVERSITY, in partial fulfilment of the requirements for the award of degree Bachelor of Science in Physics is a record of the original work done by us during the period 2021-2024 under the guidance of Dr. K. SOMASUNDARAM, Assistant Professor, Department of Physics, NALLAMUTHU GOUNDER MAHALINGAM COLLEGE, based on the observations during the internship program at "ARJA ENERGYS PVT LTD., UDUMALPET".

PLACE : POLLACHI

DATE : 6-11-23

K. Gayathri
S. Deepika.

R. Rajalakshmi
SIGNATURE OF THE STUDENTS

DECLARATION

I hereby declare that the Project entitled, "A STUDY OF ELECTRIC VEHICLES" submitted to Nallamuthu Gounder Mahalingam College, Pollachi, affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Physics is the record of the original work done by me during the period of (2021-2023) under the guidance of Dr.V.Saravanan Assistant professor, Department of Physics, Nallamuthu Gounder Mahalingam College, based on the observation during the internship program at "TAARK Equipments Pvt. Ltd., Pollachi.

PLACE: POLLACHI

DATE : 7.11.23

A. Harisudhan

SIGNATURE OF THE STUDENT

A. Harisudhan