

**Department of Mechanical Engineering**

For the academic year 2021-22, the students of Mechanical Engineering have undergone Major Projects and Socially Relevant Projects in their IV & III B.Tech respectively as prescribed by JNT University in the Curriculum. Further, the students of II B.Tech are encouraged to undertake Internships beyond the Curriculum to promote skill-based learning.

<b>S. No</b>	<b>Description</b>	<b>No. of Students</b>	<b>Page No.</b>
1	Major Projects	38	2 - 11
2	Socially Relevant Projects	21	12 - 25
3	Internships	34	26 - 60
	<b>Total Number of Students:</b>	<b>93</b>	-



# VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN

Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada

## DEPARTMENT OF MECHANICAL ENGINEERING

Admitted batch: 2018

Academic Year: 2021-22

### IV B. Tech II Semester – List of Projects

.No	Batch No.	Regd.No.	Name of the Student	Title of the Project	Name of the Guide
1.	1	18NM1A0306	Kasireddy Yatheesha	Influence of Process Parameters on Tensile and impact strength of 3D Printed standard Samples	Dr.V.Ananda Babu
2.		18NM1A0308	Killamsetty Keerthana		
3.		18NM1A0313	Pakki Prathibha Sree		
4.		18NM1A0318	Sheba Roman		
5.		18NM1A0301	Anisetty Sravani		
6.	2	18NM1A0304	Gandreddy Guna Sree	Enhancement of Mechanical and Metallurgical Properties of Titanium by ECAP	Mr.D.Kesava
7.		18NM1A0315	Pilla Kushala		
8.		18NM1A0307	Kavali Pushpa Malathi		
9.		18NM1A0311	Naramsetti Divya		
10.		18NM1A0303	Chiriki Jyotsna		
11.	3	18NM1A0316	Pitta Yamini	Effect of Post-processing on Mechanical Properties of 3D Printed Standard Samples.	Mrs.B.Swathi
12.		18NM1A0317	Shaik Sapoor		
13.		18NM1A0314	Panchada Anusha		
14.		18NM1A0302	Chinipilli Chandini		
15.		18NM1A0319	Yelleti Krupa Vasantha		
16.	4	18NM1A0309	Mamidi Kusuma Sai	Fabrication and Analysis of Aero-leaf to Generate Electrical Power	Mrs.P.Prasanna Kumari
17.		18NM1A0312	Neha Pujari		
18.		18NM1A0310	M Venkata Nagakumari		
19.		18NM1A0305	Karri Kusuma Sruthi		
20.	5	19NM5A0313	Koviri Tarakeswari	Design and Analysis of an Electric Vehicle	Mrs.S.Roopa
21.		19NM5A0302	Aleti Dhanalakshmi		
22.		19NM5A0312	K Pavani Durga Devi		
23.		19NM5A0301	Adapureddy Ramya		
24.		17NM1A0325	Pilla Snigdha Aparna		
25.	6	19NM5A0309	Karanapu Aparna	Material Procurement and Development of an Electric Vehicle	Mr.N.Ramesh
26.		19NM5A0314	Pala Bhagya Sri		
27.		19NM5A0310	Kari Nookaratnam		
28.		19NM5A0305	Badampudi Prasanthi		
29.		19NM5A0307	Golusu Lakshmi Vimala		
30.	7	19NM5A0304	Arattakota Rasi	Cost Estimation and Development of an electrical vehicle	Mr.M.Eswar Teja
31.		19NM5A0303	Aratakatla Chandana		
32.		19NM5A0308	Chinnabathina Anvesha Priya		
33.		19NM5A0306	Sandam Leela		



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34.		17NM1A0313	Kavitha Das		
35.	8	19NM5A0315	Pasagadugula Yamini	Design and Development of an Electric Vehicle	Mr.P.Anil Kumar
36.		19NM5A0318	Tekkali Thanvi		
37.		19NM5A0319	Yerramsetty Revathi		
38.		19NM5A0311	Kintada Bhagya Sree		

*P. Das*  
Project Coordinator

*3/20/20*

*V. Ananda Babu*  
Head of the Department

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Engineering for Women  
K.J.Peta, VSEZ (P.O.),  
Visakhapatnam-49.



## CERTIFICATE

This is to certify that the project report entitled "**INFLUENCE OF PROCESS PARAMETERS ON TENSILE AND IMPACT STRENGTH OF 3D PRINTED STANDARD SAMPLES**" is being submitted by

<b>K. YATHEESHA</b>	<b>18NM1A0306</b>
<b>K. KEERTHANA</b>	<b>18NM1A0308</b>
<b>P. PRATHIBHA SREE</b>	<b>18NM1A0313</b>
<b>SHEBA ROMAN</b>	<b>18NM1A0318</b>
<b>A. SRAVANI</b>	<b>18NM1A0301</b>

In partial fulfilment for the award of the Degree of **Bachelor of Technology in Mechanical Engineering** to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out under my guidance and supervision.


The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

  
Dr. V. ANANDA BABU

PROJECT GUIDE

  
Dr. V. ANANDA BABU

HEAD OF THE DEPARTMENT

  
PRINCIPAL  
Jawaharlal Nehru Institute of  
Engineering for Women  
K.J.Peta, VSEZ (P.O.),  
Visakhapatnam-49.

EXTERNAL EXAMINER





## CERTIFICATE

This is to certify that the project report entitled "**EQUAL CHANNEL ANGULAR EXTRUSION OF ENCAPSULATED TITANIUM ALLOY**" is being submitted by

<b>G.GUNA SREE</b>	<b>18NM1A0304</b>
<b>P.KUSHALA</b>	<b>18NM1A0315</b>
<b>K.PUSHPA MALATHI</b>	<b>18NM1A0307</b>
<b>N.DIVYA</b>	<b>18NM1A0311</b>
<b>CH.JYOTSNA</b>	<b>18NM1A0303</b>

In partial fulfillment for the award of the Degree of **Bachelor of Technology** in **Mechanical Engineering** to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out under my guidance and supervision.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

*D. Kesava*  
**Mr. D. KESAVA**  
**PROJECT GUIDE**

*V. Ananda Babu*  
**Dr. V. ANANDA BABU**  
**HEAD OF THE DEPARTMENT**

*Cons*  
Principal  
Vignans Institute of  
Engineering for Women  
K.J.Peta, VSEZ (P.O.),  
Visakhapatnam-49.

**EXTERNAL EXAMINER**



## CERTIFICATE

This is to certify that the project report entitled **EFFECT OF POST PROCESSING ON MECHANICAL PROPERTIES OF 3D PRINTED STANDARD SAMPLES** is being submitted by

<b>P.YAMINI</b>	<b>18NM1A0316</b>
<b>SK.SAPOORA</b>	<b>18NM1A0317</b>
<b>CH.CHANDINI</b>	<b>18NM1A0302</b>
<b>Y.KRUPA VASATHA</b>	<b>18NM1A0319</b>
<b>P.ANUSHA</b>	<b>18NM1A0314</b>

In partial fulfillment for the award of the Degree of **Bachelor of Technology in Mechanical Engineering** to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out under my guidance and supervision.


The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

  
Dr. V. ANANDA BABU

**PROJECT GUIDE**

  
Dr. V. ANANDABABU

**HEAD OF THE DEPARTMENT**

  
PRINCIPAL  
Vignan's Institute of  
Engineering for Women  
K.J.Peta, VSEZ (P.O.),  
Visakhapatnam-49.

**EXTERNAL EXAMINER**



## CERTIFICATE

This is to certify that the project report entitled "FABRICATION AND ANALYSIS OF AERO-LEAF TO GENERATE ELECTRIC POWER" is the bonified work done by. M. Kusuma Sai (18NM1A0309), Neha Pujari (18NM1A0312), K. Kusuma Sruthi (18NM1A0305), M.V. Naga Kumari (18NM1A0310) during the academic year 2018-2022, in partial fulfillment of the requirements for the award of degree of bachelor technology from JNTUK, Andhra Pradesh

  
Mrs. P. Prasanna Kumari

**Project Guide**

  
Dr. V. Ananda Babu

**Head of the Department**




**External Examiner**

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K.J.Peta, VSEZ (P.O.),  
Visakhapatnam-49.




## CERTIFICATE

This is to certify that the project entitled "DESIGN AND ANALYSIS OF AN ELECTRIC VEHICLE" is the bonafied work done by **K. TARAKESWARI (19NM5A0313), A. DHANA LAKSHMI (19NM5A0302), K. PAVANI DURGA DEVI (19NM5A0312), A. RAMYA (19NM5A0301), P. SNIGDHA APARNA (17NM1A0325)** during the academic year 2018-2022, in partial fulfillment of the requirements for the award of degree of Bachelor of Technology from JNTUK Kakinada, Andhra Pradesh.

  
**Mrs. S. Roopa**  
Project Guide

  
**Dr. V. ANANDA BABU**  
Head of the Department

  
**PRINCIPAL**  
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Visakhapatnam-49.



**External Examiner**

## CERTIFICATE

This is to certify that the project entitled "MATERIAL PROCUREMENT AND DEVELOPMENT OF AN ELECTRIC VEHICLE" is being submitted by

<b>K. Aparna</b>	<b>19NM5A0309</b>
<b>P. Bhagya Sri</b>	<b>19NM5A0314</b>
<b>K. Nookaratnam</b>	<b>19NM5A0310</b>
<b>B. Prasanthi</b>	<b>19NM5A0305</b>
<b>G.L. Vimala</b>	<b>19NM5A0307</b>

In partial fulfillment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafied work carried out under my guidance and supervision.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

*N. Ramesh*

Project Guide

**Mr. N. RAMESH**

Assistant professor

*V. Ananda Babu*

Head of the department

**Dr. V. ANANDA BABU**

Associate professor

*320*  
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Visakhapatnam-49.



External Examiner

## CERTIFICATE

This is to certify that the project entitled "COST ESTIMATION AND DEVELOPMENT OF AN ELECTRIC VEHICLE" is the bonafied work done by **A.RASI (19NM5A0304)**, **A.CHANDANA (19NM5A0303)**, **G.ANEESHA PRIYA (19NM5A0308)**, **B.LEELA (19NM5A0306)**, **KAVITHA DAS (17NM1A0313)** during the academic year 2018-2022, in partial fulfilment of the requirements for the award of degree of Bachelor of Technology from JNTUK Kakinada, Andhra Pradesh.



Project guide

**Mr.M.ESWAR TEJA**

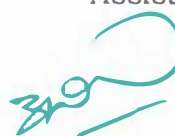
Assistant Professor



Head of the department

**Dr.V.ANANDA BABU**

Associate Professor



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Vignan's Institute of  
Engineering for Women  
K.J.Peta, VSEZ (P.O.),  
Visakhapatnam-49

**External Examiner**



## CERTIFICATE


This is to certify that the project entitled "DESIGN AND DEVELOPMENT OF AN ELECTRIC VEHICLE" is the bonafied work done by **P.YAMINI (19NM5A0315), T.THANVI (19NM3A0318), K.BHAGYASREE (19NM5A0311), Y.REVATHI (19NM5A0319)** during the academic year 2021-22, in partial fulfillment of the requirements for the award of degree of Bachelor of Technology from JNTU Kakinada, Andhra Pradesh.



Project Guide

**Mr .P.Anil Kumar**

Assistant Professor



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K.J.Peta, VSEZ (P.O.),  
Visakhapatnam-49.



Head of the Department

**Dr. V. ANANDA BABU**

Associate Professor



**External Examiner**





VIGNANA INSTITUTE OF ENGINEERING FOR WOMEN  
DEPARTMENT OF MECHANICAL ENGINEERING

Socially Relevant Project

2019 Admitted Batch

III Year Semi-3

A.Y:2021-22

S.No	Regd.No	Name of the Student	Batch No	Title of the Project	Name of the Guide	
1	19NM1A0301	A. Baby Kalyani	1	Free Energy Renewable Resource	Mrs.B.Swathi	
2	19NM1A0302	B. Prathiba	1			
3	19NM1A0303	Ch. Hema Latha	1			
4	19NM1A0304	G. Bhargavi	2	Wireless Power Transmission	Mr.D.Kesava	
5	19NM1A0305	K. V. Satya Sai Divya				2
6	19NM1A0306	K. Yasaswini	3	Solar Panel Utilization on Automatic Street Lights Using Solar Panel	Mrs.S.Roopaa	
7	19NM1A0307	K. V. Lakshmi				3
8	19NM1A0308	M. Sresta				3
9	19NM1A0309	N. Sai Thishitha	4	Street Light Monitoring	Mr.M.Eswar Teja	
10	19NM1A0310	N. Durga Sravani				4
11	19NM1A0311	P. Dharani	5	Hydro Electric Power Plant	Mr.P.Anil Kumar	
12	19NM1A0312	P. Nishkala Reddy				5
13	20NM5A0301	Dandila Padma Sankari				5
14	20NM5A0302	Kandregula Nikhita	6	Rain Water Detector	Mrs.P.Anusha	
15	20NM5A0303	Koddariseeti Mounika				6
16	20NM5A0304	Korupolu Aiswarya	7	Cyber Crime and Cyber Security Password Strengthening	Mrs.R.Prasanna Kumari	
17	20NM5A0305	Leenasri Nakka				7
18	20NM5A0306	Seeku Harsha Deepika				7
19	20NM5A0307	Shabana	7	Cyber Crime and Cyber Security Password Strengthening	Mrs.R.Prasanna Kumari	
20	20NM5A0308	Sunkari Madhuri				7
21	20NM5A0309	Tagarampudi Greeshma				7



*V. Ananda Babu*  
HOD-ME

Vignana Institute of  
Engineering for Women  
K.J.Peta, VSEZ (P.O.),  
Visakhapatnam-531009.

# FREE ENERGY RENEWABLE RESOURCE

A project report submitted in partial fulfillment of the  
requirements for the award of the degree

## BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING

Submitted by

A. Baby Kalyani- 19NM1A0301  
B. Prathibha- 19NM1A0302  
CH. Hemalatha- 19NM1A0303

Under the guidance of


Mrs. B. SWATHI  
Assistant Professor



DEPARTMENT OF MECHANICAL ENGINEERING  
VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN  
(Affiliated to Jawaharlal Nehru Technological University Kakinada)  
(Kapujaggara Jupeta, VSEZ (post), Visakhapatnam, Andhra Pradesh)

2020-21



  
PRINCIPAL  
Vignans Institute of  
Engineering for Women  
K.J. Peta, VSEZ (P.O.)  
Visakhapatnam-49

## CERTIFICATE

This is to certify that the project entitled "Free energy renewable resource" is the bonafied work done by (19NM1A0301), (19NM1A0302), (19NM1A0303) during the academic year 2020-21, in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology from JNTU Kakinada, Andhra Pradesh.

*31, P. Anil Kumar*

**Project Guide**

**B. Swathi**  
Associate Professor

*V. Ananda Babu*

**Head of the Department**

**V. Ananda Babu**  
Associate Professor

*Dia 29/01/2022*

**External Examiner**

*31/01/2022*



**PRINCIPAL**  
Vignans Institute of  
Engineering for Women  
K.J. Peta, VSEZ (P.O.)  
Visakhapatnam-49

# WIRELESS POWER TRANSMISSION

**Presented by**

Batch-2

G.Bhargavi 19NM1A0304

K.V.S.S Divya 19NM1A0305

K.Yasaswini 19NM1A0306

Under the guidance of

Mr D.Kesava,M.Tech

Assistant Professor



DEPARTMENT OF MECHANICAL ENGINEERING


**VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN**

(Affiliated to Jawaharlal Nehru Technological University (JNTUK))

(Kapujaggarajupeta, Vadlapudi (post), Visakhapatnam, Andhra Pradesh-49)

2021-2022



  
PRINCIPAL  
Vignans Institute of  
Engineering for Women  
K.J. Peta, VSEZ (P.O.)  
Visakhapatnam-49

## DECLARATION

We hereby declare that the project entitled "WIRELESS POWER TRANSMISSION" is an original work done in the Department of Mechanical Engineering, Vignan's Institute of Engineering for women, Visakhapatnam and submitted in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology. We assure that this project will not be submitted to any other university / Institute.

Place: Visakhapatnam

Date:

19NM1A0304

G.Bhargavi

*G. Bhargavi*

19NM1A0305

K.V.S.S. Divya

*K.V.S.S. Divya*

19NM1A0306

K. Yaraswini

*K. Yaraswini*



*Divya*  
*29/01/2022*

*K. Yaraswini*  
PRINCIPAL  
Vignan's Institute of  
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K.J. Peta, VSEZ (P.O.)  
Visakhapatnam-49



# VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN

(Affiliated to Jawaharlal Nehru Technological University (JNTUK))

(Kapujaggarajupeta, Vadlapudi (post), Visakhapatnam, Andhra Pradesh-49)

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project work entitled under  
“SOLAR PANEL UTILIZATION”

on

“Automatic Street Lights using Solar Panel”

being submitted by

K. Venkata Lakshmi 19NM1A0307

M. Sresta 19NM1A0308

N. Sai Thishitha 19NM1A0309

In a partial fulfillment of the requirement for the award of the B. Tech degree

in

Mechanical Engineering for the academic year 2021-2022

#### Examiners:

1. Project Guide Mrs. S. ROOPA
2. Head of the Department Dr. V. ANANDA BABU
3. External Examiner *Diya*

29/01/2022



*2022*  
PRINCIPAL  
Vignan's Institute of  
Engineering for Women  
K.J. Peta, VSEZ (F )  
Visakhapatnam-49

# STREET LIGHT MONITORING

A project report submitted in partial fulfillment of the requirements of the award of the degree

**BACHELOR OF TECHNOLOGY**

**IN**

**MECHANICAL ENGINEERING**

**Submitted by**

**19NM1A0310**

**19NM1A0311**


**19NM1A0312**

**Under the guidance of**

**M. Eswar Teja**

Assistant professor



  
PRINCIPAL  
Vignans Institute of  
Engineering for Women  
(K.J. Peta, VSE  
Visakhapatnam)

**DEPARTMENT OF MECHANICAL ENGINEERING**

**VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN**

**(Affiliated to Jawaharlal Nehru Technological University Kakinada)**



# CERTIFICATE

This is to certify that the project entitled "Street light monitoring" is the bonified work done by N. Durga Sravani (19NM1A0310), P.Dharani (19NM1A0311) N.Nishkala Reddy (19NM1A0312) during the academic year 2021-2022 in partial fulfillment of the requirements of the award of the Degree of Bachelor of Technology from JNTU Kakinada, Andhra pradesh



**Project Guide**

**M. Eswar Teja**

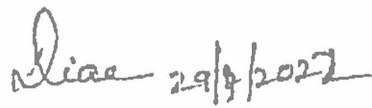
Assistant professor



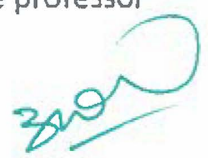
**Head of the Department**

**V. Ananda Babu**

Associate professor



**EXTERNAL EXAMINER**



Vignans Institute of  
Engineering for Women  
K.J.Peta, VSEZ (P.O.)  
Visakhapatnam-49.



# HYDRO-ELECTRIC POWER PLANT

A project report submitted in partial fulfillment of the requirements for the award of the degree.

## BACHELOR OF TECHNOLOGY

IN

## MECHANICAL ENGINEERING

Submitted by

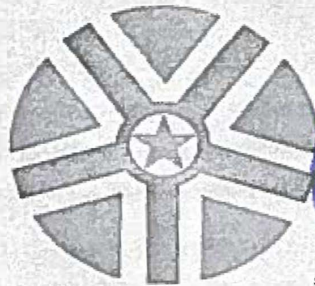
20NM5A0301 D. Padma Sankari


20NM5A0302 K.Nikhila

20NM5A0303 K. Mounika

(Under the guidance of)

Mr. P. ANIL KUMAR (M. Tech)  
Assistant Professor



  
PRINCIPAL  
Vignans Institute of  
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K.J. Peta, VSEZ (P.O.)  
Visakhapatnam-49

VIGNAN'S INSTITUTE OF ENGINEERING FOR  
WOMEN

DEPARTMENT OF MECHANICAL ENGINEERING

(Affiliated to Jawaharlal Nehru Technological University (JNTUK))

(Kapujaggarajupeta, vadlapudi (post), Visakhapatnam, Andhra Pradesh)

2021-2022

## CERTIFICATE

This is to certify that the project entitled " Hydro-electric power plant mini project" management" is the bonafied work done Padma (20NM5A0301), Nikhila (20NM5A0302) and Mounika (20NM5A0303) during the academic year 2020-2021, in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology from JNTU Kakinada, Andhra Pradesh.

Guide *P. Anilkumar*

Mr. P. Anil kumar  
(Assistant Professor)

*V. Ananda babu*  
Head of the Department

Mr. V. Ananda babu  
(Associate Professor)

*Date 29/01/2022*  
External Examiner



*[Signature]*  
PRINCIPAL  
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K.J. Peta, VSEZ (P.O.)  
Visakhapatnam



**VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN**



**(Affiliated to Jawaharlal Nehru Technological University (JNTUK))  
(Kapurjaggarajupeta , vadlapudi (post), Visakhapatnam Andhra Pradesh)**

**2021-2022**

**RAINWATER DETECTOR**

**A project report submitted in partial fulfillment of the requirements**

**for the award of the degree**

**BACHELOR OF TECHNOLOGY**

**IN**

**MECHANICAL ENGINEERING**

**Under the guidance of**

**Mrs. Anusha, M TECH**

**Assistant Professor**

**Submitted by :**

**K. Aiswarya**

**20NM5A0304**

**N. Leenasri**

**20NM5A0305**

**S. Harsha Deepika**

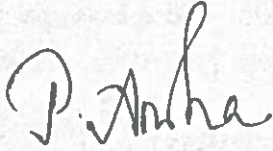
**20NM5A0306**



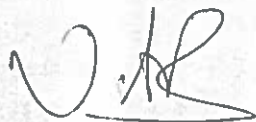
**PRINCIPAL**  
**Vignan's Institute of**  
**Engineering for Women**  
**(K.J. Peta, VSEZ (P.O.)**  
**Visakhapatnam-49**

## CERTIFICATE

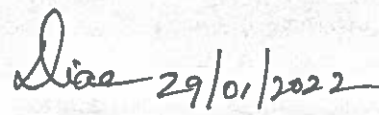
This is to certify that the project entitled " RAINWATER DETECTOR" management" is the bonafied work done K.Aiswarya (20NM5A0304), N.Leenasri (20NM5A0305), S.Harsha Deepika ( 20NM5A0306) during the academic year 2020- 2021, in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology from JNTU Kakinada, Andhra Pradesh.

  
Guide

Mrs. Anusha  
(Assistant Professor)

  
Head of the Department

Mr. V. Ananda babu  
(Associate Professor)

  
External Examiner



  
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Vignans Institute of  
Engineering for Women  
K.J. Peta, VSEZ (P.O.)  
Visakhapatnam-49

**CYBER CRIME AND CYBER SECURITY  
PASSWORD STRENGTHENING**

(A project report submitted in partial fulfillment of the requirements for the  
award of the degree.)

**BACHELOR OF TECHNOLOGY**

**IN**

**MECHANICAL ENGINEERING**

**Submitted by**

Shabana	20NM5A0307
S.Madhuri	20NM5A0308
T.Greeshma	20NM5A0309

(Under the guidance of)  
**Mrs. P. Prasanna Kumari, M-Tech**  
**Assistant Professor**



**VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN DEPARTMENT  
OF MECHANICAL ENGINEERING**

(Affiliated to Jawaharlal Nehru Technological University (JNTUK))  
(Kapujaggarajupeta, vadlapudi (post), Visakhapatnam, Andhra Pradesh)

2021- 2022

*SV*  
PRINCIPAL  
Vignans Institute of  
Engineering for Women  
(K.J. Peta, VSEZ (P.O.)  
Visakhapatnam-49





**CERTIFICATE**

This is to certify that the project entitled " **CYBER CRIME AND CYBER SECURITY** " is the bonafied work done Shabana (20NM5A0307), S. Madhuri (20NM5A0308), T. Greeshma (20NM5A0309) during the academic year 2021-2022, in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology from JNTU Kakinada, Andhra Pradesh.

*P. Prasanna*  
Guide

**Mrs. P. Prasanna Kumari**

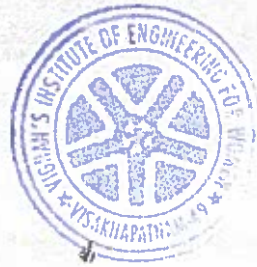
*V. Ananda Babu*

**Head of the Department**

**Mr. V. Ananda Babu**

*29/01/2022*

**External Examiner**



*[Signature]*

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# VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN

Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada

## Department of Mechanical Engineering (II MECH)

The II B.Tech students of Mechanical Engineering have undergone Internship Training from 09.05.2022 to 14.05.2022

S. No.	Roll No.	Name of the Student	Organization
1	20NM1A0301	ARNIPALLI SATWIKA	SURYA RENEWABLE ENERGY SYSTEMS
2	20NM1A0303	BODHALA BHARATHI	SURYA RENEWABLE ENERGY SYSTEMS
3	20NM1A0304	CHANDRAPATI VENKATA JYOSHNA PRIYA	SURYA RENEWABLE ENERGY SYSTEMS
4	20NM1A0305	DUMPA GOWTHAMI	SURYA RENEWABLE ENERGY SYSTEMS
5	20NM1A0306	GORLE YASHODA	SURYA RENEWABLE ENERGY SYSTEMS
6	20NM1A0308	JANAPAREDDY SAIISWARYA TEJASWINI	SURYA RENEWABLE ENERGY SYSTEMS
7	20NM1A0309	KANAPALA JAHNAVI	SURYA RENEWABLE ENERGY SYSTEMS
8	20NM1A0310	KANDREGULA SRAVANI	SURYA RENEWABLE ENERGY SYSTEMS
9	20NM1A0311	KARRI ALEKHYA	SURYA RENEWABLE ENERGY SYSTEMS
10	20NM1A0313	KOSIREDDY SNEHITHA	SURYA RENEWABLE ENERGY SYSTEMS
11	20NM1A0314	KUNDRAPU JANAKI DEVI	SURYA RENEWABLE ENERGY SYSTEMS
12	20NM1A0315	KUTTUBOINA APARNA	SURYA RENEWABLE ENERGY SYSTEMS
13	20NM1A0316	M NIKHILA	SURYA RENEWABLE ENERGY SYSTEMS
14	20NM1A0317	NAKKA GOWTHAMI	SURYA RENEWABLE ENERGY SYSTEMS
15	20NM1A0318	NARMALA TRIVENI CHANDRIKA	SURYA RENEWABLE ENERGY SYSTEMS
16	20NM1A0319	NERADLA KUNDANIKA	SURYA RENEWABLE ENERGY SYSTEMS
17	20NM1A0320	PADALA JOSHNA DEVI	SURYA RENEWABLE ENERGY SYSTEMS
18	20NM1A0321	PATNALA PAVANI	SURYA RENEWABLE ENERGY SYSTEMS
19	20NM1A0322	TELU BHARGAVI PRIYADARSHINI	SURYA RENEWABLE ENERGY SYSTEMS
20	20NM1A0323	VAKADA DEEPTHI	SURYA RENEWABLE ENERGY SYSTEMS
21	20NM1A0324	VALIGATH PUJITHA	SURYA RENEWABLE ENERGY SYSTEMS
22	20NM1A0325	VENNELA PAVANI	SURYA RENEWABLE ENERGY SYSTEMS
23	20NM1A0326	VENNI MONASRI	SURYA RENEWABLE ENERGY SYSTEMS
24	20NM1A0327	YELLAPU SAI KEERTHANA	SURYA RENEWABLE ENERGY SYSTEMS
25	20NM1A0328	YELLAPU VEENAMRUTHA	SURYA RENEWABLE ENERGY SYSTEMS
26	21NM5A0301	CHOKKA CHAITANYA	SURYA RENEWABLE ENERGY SYSTEMS
27	21NM5A0302	GOLAGANI MOUNIKA	SURYA RENEWABLE ENERGY SYSTEMS
28	21NM5A0303	KALA PRASANNA KUMARI	SURYA RENEWABLE ENERGY SYSTEMS
29	21NM5A0304	KOMARA HEMA LATHA	SURYA RENEWABLE ENERGY SYSTEMS
30	21NM5A0305	MATHA KEERTHANA	SURYA RENEWABLE ENERGY SYSTEMS
31	21NM5A0306	NOLLU CHINATHALLI	SURYA RENEWABLE ENERGY SYSTEMS
32	21NM5A0307	SEERAM JAHNAVI	SURYA RENEWABLE ENERGY SYSTEMS
33	21NM5A0308	VASAM MANASA	SURYA RENEWABLE ENERGY SYSTEMS
34	21NM5A0309	YENNATI TUSHARIKA	SURYA RENEWABLE ENERGY SYSTEMS

*J. Ananda Babu*  
HOD-MECH



*Principal*  
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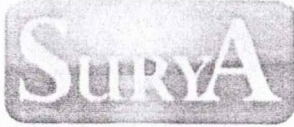
## Internship Certificate

This is to certify that **ARNIPALLI SATWIKA** bearing Regd. No. **20NM1A0301**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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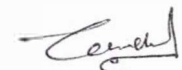
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## Internship Certificate

This is to certify that **BODHALA BHARATHI** bearing Regd. No. **20NM1A0303**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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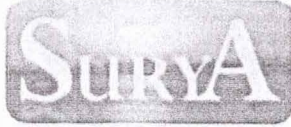
## Internship Certificate

This is to certify that CH. V JYOSHNA PRIYA bearing Regd. No. 20NM1A0304, student of Vignan's Institute of Engineering for Women has completed her internship at Surya Renewable Energy Systems, Visakhapatnam from 09.05.2022 to 14.05.2022. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **DUMPA GOWTHAMI** bearing Regd. No. **20NM1A0305**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**.] During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



*3/10/22*  
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## Internship Certificate

This is to certify that **GORLE YASHODA** bearing Regd. No. **20NM1A0306**, student of Vignan 's Institute of Engineering for Women has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn I new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **J. S ISWARYA TEJASWINI** bearing Regd. No. **20NM1A0308**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **KANAPALA JAHNAVI** bearing Regd. No. **20NM1A0309**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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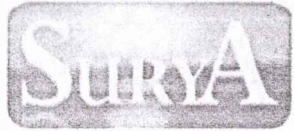
## Internship Certificate

This is to certify that **KANDREGULA SRAVANI** bearing Regd. No. **20NM1A0310**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



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## Internship Certificate

This is to certify that **KARRI ALEKHYA** bearing Regd. No. **20NM1A0311**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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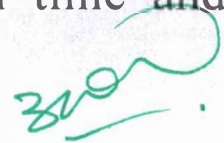
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## Internship Certificate

This is to certify that **KOSIREDDY SNEHITHA** bearing Regd. No. **20NM1A0313**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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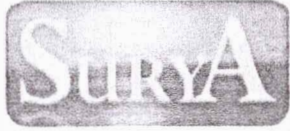
## Internship Certificate

This is to certify that **KUNDRAPU JANAKI DEVI** bearing Regd. No. **20NM1A0314**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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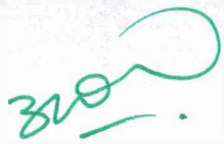
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## Internship Certificate

This is to certify that **KUTTUBOINA APARNA** bearing Regd. No. **20NM1A0315**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **MADANALA NIKHILA** bearing Regd. No. **20NM1A0316**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



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This is to certify that **NAKKA GOWTHAMI** bearing Regd. No. **20NM1A0317**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **N TRIVENI CHANDRIKA** bearing Regd. No. **20NM1A0318**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



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## Internship Certificate

This is to certify that **NERADLA KUNDANIKA** bearing Regd. No. **20NM1A0319**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **PADALA JOSHNA DEVI** bearing Regd. No. **20NM1A0320**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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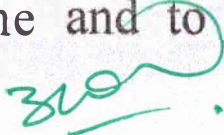
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## Internship Certificate

This is to certify that **PATNALA PAVANI** bearing Regd. No. **20NM1A0321**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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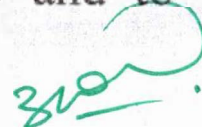
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## Internship Certificate

This is to certify that **T B PRIYADARSHINI** bearing Regd. No. **20NM1A0322**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **VAKADA DEEPTHI** bearing Regd. No. **20NM1A0323**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



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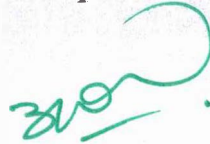
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## Internship Certificate

This is to certify that **VALIGATH PUJITHA** bearing Regd. No. **20NM1A0324**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **VENNELA PAVANI** bearing Regd. No. **20NM1A0325**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



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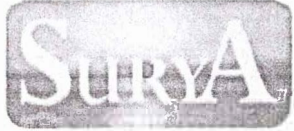
## Internship Certificate

This is to certify that **VENNI MONASRI** bearing Regd. No. **20NM1A0326**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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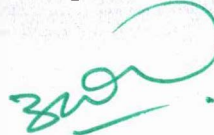
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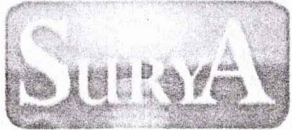
## Internship Certificate

This is to certify that **YELLAPU SAI KEERTHANA** bearing Regd. No. **20NM1A0327**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **YELLAPU VEENAMRUTHA** bearing Regd. No. **20NM1A0328**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



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## Internship Certificate

This is to certify that **CHOKKA CHAITANYA** bearing Regd. No. **21NM5A0301**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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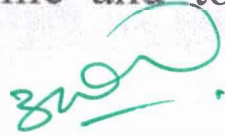
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## Internship Certificate

This is to certify that **GOLAGANI MOUNIKA** bearing Regd. No. **21NM5A0302**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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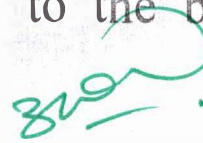
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## Internship Certificate

This is to certify that **KALA PRASANNA KUMARI** bearing Regd. No. **21NM5A0303**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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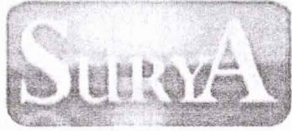
This is to certify that **KOMARA HEMA LATHA** bearing Regd. No. **21NM5A0304**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **MATHA KEERTHANA** bearing Regd. No. **21NM5A0305**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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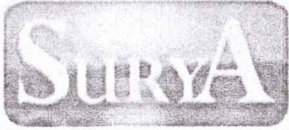
## Internship Certificate

This is to certify that **NOLLU CHINATHALLI** bearing Regd. No. **21NM5A0306**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **SEERAM JAHNAVI** bearing Regd. No. **21NM5A0307**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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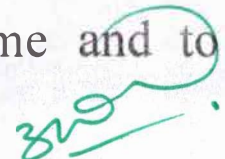
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## Internship Certificate

This is to certify that **VASAM MANASA** bearing Regd. No. **21NM5A0308**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



  
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## Internship Certificate

This is to certify that **YENNATI TUSHARIKA** bearing Regd. No. **21NM5A0309**, student of **Vignan's Institute of Engineering for Women** has completed her internship at **Surya Renewable Energy Systems, Visakhapatnam** from **09.05.2022** to **14.05.2022**. During the internship, she demonstrated a keen interest and enthusiasm to learn new skills. Her performance, dedication to their role and responsibilities were commendable. All of the tasks were completed on time and to the best of her abilities.



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