

GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY  
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(AUTONOMOUS)

Gangavaram, Kovur, S.P.S.R Nellore, A.P-India. 524137

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[www.gist.edu.in](http://www.gist.edu.in)

2018-2022

Department of Electrical and Electronics Engineering



# Certificate

This is to certify that the project work entitled "Detecting Power Grid Synchronization Failure On Sensing Frequency And Voltage With SMS" is the work done by

B. Bhargav	(182U1A0206)
SK.Taheer Ahamed	(192U5A0209)
D.Sai Kumar	(192U5A0202)
P.Balaji	(182U1A0238)

Submitted to the department of electrical and electronics engineering, in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering to the Geethanjali Institute of Science and Technology (Affiliated to Jawaharal Nehru Technological University, Anantapur) 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.

**Project Guide/Supervisor:**

Mr. P. Naga Konduiah  
Assistant Professor  
Department of EEE  
GIST  
Nellore (Dist).

**Head of the Department**

Dr. TNVLNKumar, M.Tech, Ph.D.  
Professor and Head  
Dept. of EEE,  
GIST,  
Nellore (Dist).

Date of External Project : 04-07-2022

INTERNAL EXAMINER

EXTERNAL EXAMINER

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2018-2022

Department of Electrical and Electronics Engineering



## Certificate

This is to certify that the project work entitled "Floating solar panel system with automatic sun light tracker" is the work done by

CH. AJITH KUMAR	(182U1A0209)
G. MADHU KIRAN	(182U1A0217)
D.HARI KRISHNA	(182U1A0212)
K.VENKATA SIVA SAI	(182U1A0221)

Submitted to the department of electrical and electronics engineering, in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering to the Geethanjali Institute of Science and Technology (Affiliated to Jawaharlal Nehru Technological University, Anantapuramu) 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.

Project Guide/Supervisor:

Mr.G.Seenaiah, M.Tech.  
Assistant Professor  
Dept. of EEE,

Head of the Department

Dr. TNVLN Kumar, M.Tech, Ph.D  
Professor and Head  
Dept. of EEE,

Date of External Project : 4/7/2022

INTERNAL EXAMINER

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2018-2022

Department of Electrical and Electronics Engineering



## Certificate

This is to certify that the project work entitled "Monitoring the Power Failures in Three Phase Transmission Lines Using Smart Technology" is the work done by

N. Upendra	(182U1A0226)
Sk. Nadeem	(182U1A0244)
N. Raghu	(182U1A0229)
D.Praveen	(192U5A0203)

Submitted to the department of electrical and electronics engineering, in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering to the Geethanjali Institute of Science and Technology (Affiliated to Jawaharlal Nehru Technological University, Anantapuramu) 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.

Project Guide/Supervisor:

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Date of External Project : 04/07/2022

INTERNAL EXAMINER

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2018-2022

Department of Electrical and Electronics Engineering



## Certificate

This is to certify that the project work entitled "Design And Fabrication of Vertical Axis Wind Turbine" is the work done by

Sk. Suhel Ahamad	(182U1A0246)
S.Venkata Ramana	(192U5A0210)
P. Bhavani Sankar	(182U1A0232)
S. Rakesh	(182U1A0241)

Submitted to the department of electrical and electronics engineering, in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering to the Geethanjali Institute of Science and Technology (Affiliated to Jawaharlal Nehru Technological University, Anantapuramu) is a record of bonafide work carried out under my guidance and supervision.

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**Project Guide/Supervisor:**

Dr. TNVLN Kumar, M.Tech, Ph.D.  
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**Head of the Department**

Dr. T.Ravi Kumar, M.Tech, Ph.D.  
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Date of External Project : 04/07/2022

  
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2018-2022

**Department of Electrical and Electronics Engineering**



# Certificate

This is to certify that the project work entitled "Solar Powered Electric Bicycle" is the work done by

P.Gagan kumar	(182U1A0236)
S.Sadik	(182U1A0245)
P.Sree Harsha	(182U1A0239)
N.Thilak	(182U1A0230)
S.Subramanyam	(182U1A0249)

Submitted to the department of Electrical and Electronics Engineering, in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering to the Geethanjali Institute of Science and Technology (Affiliated to Jawaharlal Nehru Technological University, Anantapuramu) 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.

  
Project Guide/Supervisor:

Dr.T.Ravi Kumar, M.Tech, Ph.D.  
Associate Professor & HOD(A)  
Department Of EEE  
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Head of the Department

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Date of External Project : 21/7/22

  
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2018-2022

Department of Electrical and Electronics Engineering



## Certificate

This is to certify that the project work entitled " *Vehicle to Vehicle communication using IOT* " is the work done by

A. Pavithra	(182U1A0203)
M. Amulya	(192U5A0208)
P. Meghana	(182U1A0234)
N. Triveni	(182U1A0228)

Submitted to the department of electrical and electronics engineering, in partial fulfillment for the award of the Degree of Bachelor of Technology in **Electrical & Electronics Engineering** to the Geethanjali Institute of Science and Technology (Affiliated to Jawaharlal Nehru Technological University, Anantapuramu) 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.

*TNVLN*  
**Project Guide/Supervisor:**

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Professor and Head of  
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*TNVLN*  
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Date of External Project : 04-07-2022

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INTERNAL EXAMINER

*[Signature]*  
EXTERNAL EXAMINER

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2018-2022

Department of Electrical and Electronics Engineering




## Certificate

This is to certify that the project work entitled "*Arduino Based Real Time Drowsiness Detection and Alcohol Detection for Bikers Using Helmet*" is the work done by


P.Sumanasree	(182U1A0231)
SB.Ramya Sahithi	(182U1A0250)
G.Mounika	(182U1A0216)
K.Rupa	(192U5A0204)

Submitted to the department of electrical and electronics engineering, in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering to the Geethanjali Institute of Science and Technology (Affiliated to Jawaharlal Nehru Technological University, Anantapur) is a record of bonafide work carried out under my guidance and supervision.

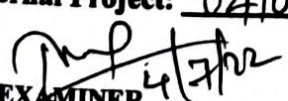
The results embodied in this project report have not been submitted to any other university or institute for the award of any degree or diploma.

  
Project Guide/Supervisor:  
Mr. Sridhar Srestaluri, M.E., (Ph.D.)  
Associate Professor  
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Head of the Department  
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2018-2022

Department of Electrical and Electronics Engineering



*Certificate*

This is to certify that the project work entitled "*Smart Home Automation Using Blynk With Raspberry Pi*" is the work done by

B. Sreelakshmi	(182U1A0205)
P. Anjana	(182U1A0233)
A. V. Sukeerthana Lakshmi	(182U1A0202)
B. Swetha	(182U1A0207)
M. Sowmika	(182U1A0223)

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**Project Guide/Supervisor:**

Dr. T. Ravi Kumar, M. Tech, Ph.D.  
Associate Professor  
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**Head of the Department**

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Date of External Project

: 4-07-2022

  
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2018-2022

**Department of Electrical and Electronics Engineering**



## Certificate

This is to certify that the project work entitled "**HYBRID AGRICULTURAL AUTOMATION USING IOT**" is the work done by

M. Keerthana	(192U5A0206)
P. Pranavi	(182U1A 0237)
Sk. Umme Salma	(182U1A 0247)
K. Pallavi	(182U1A 0220)

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**Project Supervisor:**

Mr. Murali Dasari, M.Tech, (Ph.D.)  
Associate Professor  
Department of EEE  
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Nellore (Dist.)

**Head of the Department**

Dr. TNVLN Kumar, M.Tech, Ph.D.  
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Date of External Project: 4/7/2022

  
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2018-2022

**Department of Electrical and Electronics Engineering**



## Certificate

*This is to certify that the project work entitled "IOT based smart robot for food and e-commerce delivery using NodeMcu" is the work done by*

N. Akhila	(182U1A0227)
T. Gowri Amuktha	(182U1A0251)
B. Pavani	(182U1A0204)
K. Jhansi	(192USA0205)

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*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.*

*M. Rajesh*  
**Project Guide/Supervisor:**

Mr. M. Rajesh, M. Tech, (Ph.D.),  
Assistant Professor  
Department of EEE  
GIST  
Nellore (Dist.)

*T.N.V.L.N Kumar*  
**Head of the Department**

Dr. T.N.V.L.N Kumar, M. Tech, Ph.D.  
Professor and Head  
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GIST,  
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Date of External Project:

4/7/2022

*M. Rajesh*  
INTERNAL EXAMINER

*T.N.V.L.N Kumar*  
EXTERNAL EXAMINER

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2018-2022

Department of Electrical and Electronics Engineering



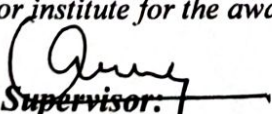
Certificate


This is to certify that the project work entitled "*Hi-Tech Energy Meter with Automatic Load Control and Sharing using Smart Technology*" is the work done by

Sk.Afrin	(182U1A0242)
S.Lakshmi Mounika	(182U1A0248)
CH.Sujitha Jyoshna	(182U1A0210)
P.Bhargavi	(182U1A0235)

Submitted to the department of electrical and electronics engineering, in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering to the Geethanjali Institute of Science and Technology (Affiliated to Jawaharlal Nehru Technological University, Anantapuramu) is a record of bonafide work carried out under my guidance and supervision.

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**Project Supervisor:**  
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Assistant Professor  
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**Head of the Department**  
Dr. T.N.V.L.N. Kumar, M.Tech, Ph.D  
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Date of External Project: 04/07/22

  
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2018-2022

Department of Electrical and Electronics Engineering



## Certificate

This is to certify that the project work entitled "Multi-Purpose Operated Mobile Robot With Night Vision Camera" is the work done by

V.Thanmayee	(182U1A0252)
G.Varsha	(182U1A0214)
MD.Husna	(182U1A0224)
V.Manasa	(192U5A0211)

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*V. Anjaneyulu*  
Project Guide/Supervisor:

Mr. V. Anjaneyulu, M. Tech.  
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Date of External Project : 4/7/2022

*V. Anjaneyulu*  
INTERNAL EXAMINER

*T.N.V.L.N. Kumar*  
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GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY  
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2018-2022

Department of Electrical and Electronics Engineering



## Certificate

This is to certify that the project work entitled "Design and Simulation of Rooftop Solar PV System" is the work done by

Ch. Varun Venkat Sai	(182U1A0211)
G. Harsha Vardhan	(182U1A0215)
K. Lohith	(182U2A0219)
B. Uma Sai Nath	(192U5A0201)

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Project Guide/Supervisor:  
Ch. Silpi Priyanka, M.Tech,  
Assistant Professor,

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Head of the Department  
Dr. TNVLN Kumar, M.Tech, Ph.D  
Professor and HoD,

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Date of External Project: 04/07/2022

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2018-2022

Department of Electrical and Electronics Engineering



# Certificate

This is to certify that the project work entitled "Electrical Bicycle" is the work done by

M. Rupesh	(192U5A0207)
A. Harish Reddy	(182U1A0201)
S. Teja	(182U1A0240)
Md. Shehbaaz Atthar	(182U1A0225)

Submitted to the department of electrical and electronics engineering, in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering to the Geethanjali Institute of Science and Technology (Affiliated to Jawaharlal Nehru Technological University, Anantapuramu) is a record of bonafide work carried out under my guidance and supervision.

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**Project Guide/Supervisor:**

N. Prasad, M.Tech.  
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2018-2022

Department of Electrical and Electronics Engineering



## Certificate

This is to certify that the project work entitled "*Battery maintenance and speed controller for electric solar bicycle*" is the work done by

M. Vivek (182U1A0222)

B. Kartheek (182U1A 0208)

SK. Karimulla (182U1A 0243)

J. Vinay (182U1A 0218)

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Project Guide/Supervisor:

Mrs. G. Vasundhara, M. Tech,

Assistant Professor

Department of EEE

GIST

Nellore (Dist)

  
Head of the Department

Dr. TNVLN Kumar, M.Tech, Ph.D

Professor and Head

Dept. of EEE,

GIST,

Nellore (Dist)

Date of External Project : 4/7/22

  
INTERNAL EXAMINER

  
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