

GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY

(Accredited by NAAC "A" Grade)

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

Affiliated to J.N.T.U, Anantapur.

geethanjali@gist.edu.in

www.gist.edu.in

2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "Control , Operation & protection of Star - Delta Starter for 3 Phase induction motor by MicroController " is the work done by

A.Lalitha	(172U1A0203)
Ch.Sowmika	(172U1A0208)
V.Prameela Devi	(172U1A0255)
V.Charishma	(182U5A0212)

Submitted to the department of electrical and electronics engineering, in partial fulfilment 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.K.Venkata Ravindra, M.Tech.
Associate Professor
Department of EEE,
GIST,
Nellore (Dist)

Head of the Department

Dr. TNVLN Kumar, M.Tech, Ph.D.
Professor and Head
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GIST,
Nellore (Dist)

Date of External Project

: 29/7/21

INTERNAL EXAMINER

EXTERNAL EXAMINER

GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY

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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "Auto indoor hydroponic fodder grow chamber" is the work done by

P.Sravan kumar	(182U5A0206)
Ch.vinay	(172U1A0209)
G.Madhav	(172U1A0212)
K.Mahesh	(172U1A0217)

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Project Guide/Supervisor:

Mr.Murali Dasari, M.Tech,(Ph.D).
Associate Professor
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Head of the Department

Dr. T.N.V.N. Kumar, M.Tech, Ph.D.
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GANGAVARAM (V), Kovur (M),
S.P.S.R. Nellore Dt. A.P. Pin : 524 137

Date of External Project : 24/07/2021

INTERNAL EXAMINER

EXTERNAL EXAMINER

(Conducted in
online
mode)

GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY

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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "*IoT Based Automatic Vehicle Accident Detection and Rescue System*" is the work done by

SK.Mujahid Ashhad	(182U5A0209)
K.Durga Prasad	(182U5A0203)
P.Narendra	(172U1A0235)
S.Siva Krishna	(172U1A0245)

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Project Guide/Supervisor:

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Date of External Project : 24/07/2021


INTERNAL EXAMINER


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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "A Novel Approach to Overvoltage and Overcurrent Protection of Simple Single Phase Two Terminal Systems Utilizing Arduino Uno" is the work done by

Sk. Seema (172U1A0240)

V. Chandana (172U1A0256)

L.V. Prasanna (172U1A0223)

D. Pravallika (172U1A0211)

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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[Signature]
Project Guide/Supervisor:

Department

S. Sridhar, M. Tech, Ph.D.

Associate Professor

Department of EEE

GIST

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Head of the

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

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Nellore (Dist)

Date of External Project

: 22/07/2021

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INTERNAL EXAMINER

EXTERNAL EXAMINER

(Online via VOSL)

GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY

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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "Phase over Current Protection for Load using Microcontroller based on Definite time " is the work done by

M. Charishma	(172U1A0227)
Sk. Karishma	(172U1A0239)
T. Suharika	(172U1A0253)
K. Sruthi	(172U1A0219)

Submitted to the department of electrical and electronics engineering, in partial fulfilment 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:

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Date of External Project

: 22/7/21

INTERNAL EXAMINER

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GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY

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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "Under voltage & Over voltage protection for domestic equipments and motors using Arduino" is the work done by A. Sindhu Priya (172011A0201) has 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 work 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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Head of the Department

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Date of External Project : 24 July, 2021


INTERNAL EXAMINER

EXTERNAL EXAMINER

GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY

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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "*220Kv Feeder Management and remote monitor by ESP32 Microcontroller*" is the work done by

A.Nandini	(172U1A0204)
P.Sri vidya	(172U1A0234)
M.Jyothi Reddy	(172U1A0201)
L.Divya	(182U5A0204)

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:

Mr. Murali Dasari, M.Tech(Ph.D)
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Date of External Project

: 22/8/21

INTERNAL EXAMINER

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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "Design and Development AGRI-BOT for Automatic Seeding, Watering Applications and Disease Identification " is the work done by

M.Sreenivasulu	(172U1A0229)
J.Snehith	(172U1A0215)
B.Ashok	(172U1A0205)
P.Sri Harshavardhan	(172U1A0236)

Submitted to the department of electrical and electronics engineering, in partial fulfilment 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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P. Naga Kondiah
Project Guide/Supervisor:

P.Naga Kondiah, M.Tech.,
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Date of External Project

: 24/07/2021

P. Naga Kondiah
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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "*Power Balancer in Power Distribution Networks Using Photovoltaic Electric spring System*" is the work done by

B. Venu	(182U5A0202)
K. Venkata Sai	(172U1A0221)
M. Vivek	(172U1A02224)
Sk. Sulthan Basha	(172U1A0242)

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. T.Ravi Kumar, M.Tech, Ph.D.
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Head of the Department

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Date of External Project

: 24-07-2021


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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "~~PREPAID ELECTRICAL ENERGY BILLING METER USING GSM~~" is the work done by

T.Sai	(182U5A0211)
B.Anil kumar	(172U1A0206)
SK.Abdul Ahmadh	(182U5A0208)
SK.Ismail Jabivulla	(172U1A0238)

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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(Signature)
Project Guide/Supervisor:
Department

N.Prasad, M.Tech,
Assistant Professor
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Head of the

Dr. TNVLN Kumar, M.Tech, Ph.D.
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Date of External Project

: 24/7/21

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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "*feeder protection from overload and earth fault relay by microcontroller*" is the work done by

M.Deepika	(172UIA0228)
G.Srichandana	(172UIA 0214)
M.Sindhusee	(172UIA 0226)
Sk.Umme Habiba	(172UIA 0244)

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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T.Ravi Kumar
Project Guide/Supervisor:

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Associate Professor
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T.NVLN Kumar
Head of the Department

Dr. TNVLN Kumar, M.Tech, Ph.D
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Date of External Project

22/07/21

T.Ravi Kumar
INTERNAL EXAMINER

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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "*Hybrid Inverter with Overload Tripping Through IoT*" is the work done by

B. Yaswanth	(172U1A0207)
K. Pavan Kalyan	(172U1A0218)
M. Manoj Kumar	(172U1A0231)
S. SriKalyan	(172U1A0249)

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Project Guide/Supervisor:

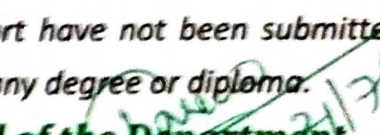
Dr. T.Ravi Kumar, M.Tech, Ph.D.
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Date of External Project : 22/7/21


INTERNAL EXAMINER


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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "Transformer multiple faults detection by microcontroller and conventional methods" is the work done by

Sd. Fowzia	(172U1A0250)
G. Anusha	(172U1A 0213)
R. Rajeswari	(172U1A0237)
S. Nirmala	(172U1A0247)

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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V. Anjaneyulu
Project Guide/Supervisor:
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Date of External Project : 22/3/21

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INTERNAL EXAMINER

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2017-2021

Department of Electrical and Electronics Engineering



Certificate

This is to certify that the project work entitled "Automatic Power Factor Correction Using Arduino" is the work done by

K.Lina Bharathi

(172U1A0212)

T.Rajitha

(172U1A0252)

L.Bhargavi

(172U1A0254)

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:

MS.CH. Silpi Prasanika, M.Tech,

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Date of External Project

= 24/07/2021

INTERNAL EXAMINER

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