

INDUSTRIAL ORIENTED MINI PROJECT REPORT

ON

HYBRID ENERGY WIND SOLAR FOR RURAL ELECTRIFICATION

Submitted in partial fulfilment of the requirement

for the award of the degree of

Bachelor of Technology

in

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

NIMMALA VISHAL GOUD (17M 21A0202)

**ABDELMAGEED MORWAN
ABDELHAMEED GUBARA (17M21A0209)**

MD. FIROZ ANSARI (17M21A0205)

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Under the guidance of

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February- 2021



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This is to certify that the work embodies in this dissertation entitled **“HYBRID ENERGY WIND SOLAR FOR RURAL ELECTRIFICATION”** being submitted by

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for partial fulfilment of the requirement for the award of **B.TECH in ELECTRICAL AND ELECTRONICS ENGINEERING** to the **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD** during the academic year **2020-2021** is a record of bonafide piece of work, undertaken by them under the supervision of the undersigned.


Project Guide

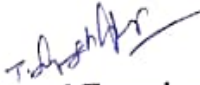
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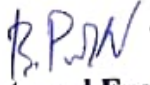

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The project phase viva-voce examination held on 24/2


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INDUSTRIAL ORIENTED MINI PROJECT REPORT

ON

IOT BASED SMART HOME AUTOMATION SYSTEM

Submitted in partial fulfilment of the requirement

for the award of the degree of

Bachelor of Technology

in

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

MOHAMMED ANAS (15H11A0208)

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A REPORT ON
INDUSTRIAL ORIENTED MINI
PROJECT
SMART FARMING AUTOMATIC
IRRIGATION SYSTEM USING ARDUINO UNO

*Submitted in partial fulfillment of the requirement for the
award of the degree of*

Bachelor of Technology in

ELECTRICAL AND ELECTRONICS
ENGINEERING

Submitted by

MUAVIYA SAIFULLAH	18M25A0204
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INDUSTRIAL ORIENTED MINI PROJECT

REPORT ON

**ENHANCEMENT OF POWER QUALITY IN SMART
GRIDS THROUGH PFC CONTROLLERS**

*Submitted in partial fulfillment of the
requirement for the award of the degree of*

Bachelor of Technology

in

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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TUMMA KEERTHANA (18E25A0209)

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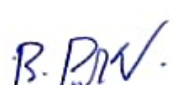

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INDUSTRIAL ORIENTED MINI PROJECT REPORT

ON

**REACTIVE POWER AND AC VOLTAGE CONTROL OF
LCC HVDC SYSTEM WITH CONTROLLABLE
CAPACITORS**

*Submitted in partial fulfilment of the requirement for the award of the
degree of*

Bachelor of Technology

in

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

RAMAVATH MANIKANTA NAIK	(17M21A0201)
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INDUSTRIAL ORIENTED MINI PROJECT REPORT

ON

A HIGHLY EFFICIENT AND RELIABLE INVERTER

CONFIGURATION BASED CASCADED MULTILEVEL INVERTER

FOR PV SYSTEMS

Submitted in partial fulfilment of the requirement

for the award of the degree of

Bachelor of Technology

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

BODA VENKATESH

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This is to certify that the work embodies in this dissertation entitled **"A HIGHLY EFFICIENT AND RELIABLE INVERTER CONFIGURATION BASED CASCADED MULTILEVEL INVERTER FOR PV SYSTEM"** being

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The project phase viva-voce examination held on 24/2

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INDUSTRIAL ORIENTED MINI PROJECT
REPORT ON
DESIGN OF LOW-COST SMART ELECTRONIC
ARDUINO BASED ULTRASONIC CONTAGION
CONTACT ALERT DEVICE

*Submitted in partial fulfilment of the requirement
for the award of the degree of*
Bachelor of Technology

in

ELECTRICAL AND ELECTRONIC ENGINEERING

Submitted by

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This is to certify that the Thesis report entitled “**DESIGN OF LOW-COST SMART ELECTRONIC ARDUINO BASED ULTRASONIC COTAGION CONTACT ALERT DEVICE**” is being submitted by students

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in partial fulfillment for the award of the degree of BACHELOR OF TECHNOLOGY of Jawaharlal Nehru Technological University during the year 2017-2021. The thesis report has been approved as it satisfies the academic requirements in respect of thesis work prescribed for Bachelor Degree.


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EXTERNAL EXAMINER

INDUSTRIAL ORIENTED MINI PROJECT REPORT

ON

**A NEW POWER FLOW CONTROL APPROACH FOR POWER
CONVERTERS IN SINGLE-PHASE MICRO-GRIDS**

Submitted in partial fulfilment of the requirement

for the award of the degree of

Bachelor of Technology

in

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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February- 2021



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24/2



Internal Examiner



External Examiner

INDUSTRIAL ORIENTED MINI PROJECT REPORT

ON

**ARDUINO BASED OVERHEAT DETECTOR USING
TEMPERATURE SENSOR WITH BUZZER INDICATION**

Submitted in partial fulfilment of the requirement

for the award of the degree of

Bachelor of Technology

in

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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A
INDUSTRIAL ORIENTED MINI PROJECT REPORT
ON
**LIGHT-LOAD EFFICIENCY POWER CONVERSION SCHEME
USING INTEGRATED BIDIRECTIONAL BUCK CONVERTER
FOR PARALLELED SERVER POWER SUPPLIES**

*Submitted in partial fulfilment of the requirement
for the award of the degree of*

BACHELOR OF TECHNOLOGY
in
ELECTRICAL AND ELECTRONICS ENGINEERING
Submitted by

PATOLA GAYATHRI	(18E25A0214)
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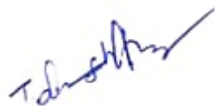


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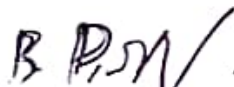


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INTERNAL EXAMINER



EXTERNAL EXAMINER

A
INDUSTRIAL ORIENTED MINI PROJECT REPORT
ON
A ROBUST BACK-STEPPING HIGH-ORDER SLIDING MODE
CONTROL STRATEGY FOR GRID-CONNECTED DG UNITS WITH
HARMONIC/INTER-HARMONIC CURRENT

*Submitted in partial fulfilment of the requirement
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