



Criterion 1: Curricular Aspects

1.3 Curriculum Enrichment

1.3.4.1: Number of students undertaking field projects / internships / student projects

Programme Name: M.E Power Systems Engineering.

Sl.No.	Description	Page Number
1	Project Work Phase-I	1-14
2	Project Work Phase-II	15-28



Criterion 1: Curricular Aspects

1.3 Curriculum Enrichment

1.3.4.1: Number of students undertaking field projects / internships / student projects

Programme Name: M.E Power Systems Engineering.

PG Phase-I Projects Proof



DIRECTIONAL RELAYING SCHEME BASED ON FAULT CURRENT

A Project (Phase-I) Report

Submitted by

ARUL KUMARAN.C. D (927621MPS001)

in partial fulfillment for the award of the degree of

MASTER OF ENGINEERING

in

POWER SYSTEMS ENGINEERING

M.KUMARASAMY COLLEGE OF ENGINEERING

(An Autonomous Institution, Affiliated to Anna University, Chennai)

KARUR-639113

DECEMBER 2022

M.KUMARASAMY COLLEGE OF ENGINEERING KARUR

(An Autonomous Institution, Affiliated to Anna University, Chennai)



BONAFIDE CERTIFICATE

Certified that this project report titled “**DIRECTIONAL RELAYING SCHEME BASED ON FAULT CURRENT**” is the bonafide work of **ARUL KUMARAN.C.D (927621MPS001)** who carried out the project work during the academic year **2022-2023** under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


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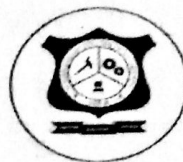
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Submitted for Project Work Phase I (19PPSP102L) viva voce examination held on 28.12.2022


Internal Examiner


External Examiner



**POWER TRANSFORMER LOAD FORECASTING SYSTEM
USING MACHINE LEARNING ALGORITHMS**

A Project (Phase-I) Report

Submitted by

JANANI D (21MPS002)

in partial fulfillment for the award of the degree of

MASTER OF ENGINEERING

in

POWER SYSTEMS ENGINEERING

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Submitted for Project Work Phase I viva voce examination held on 28.12.2022

Internal Examiner

External Examiner



**DEVELOPMENT OF IMPROVED ZETA CONVERTER FOR RENEWABLE
ENERGY APPLICATIONS**

PHASE I REPORT

Submitted by

KATHIRAVANG (927621MPS003)

In partial fulfillment for the award of the degree of

MASTER OF ENGINEERING

in

POWER SYSTEMS ENGINEERING

M.KUMARASAMY COLLEGE OF ENGINEERING, KARUR - 639113

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DEC 2022

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Certified that this project report “**DEVELOPMENT OF IMPROVED ZETA CONVERTER FOR RENEWABLE ENERGY APPLICATIONS**” is the bonafide work of “**KATHIRAVAN G (927621MPS003)**” who carried out the project work during the academic year 2022-2023 under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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**POWER QUALITY IMPROVEMENT AND HARMONICS
REDUCTION METHOD USING NEURAL FUZZY LOGIC
CONTROLLER IN TWO STAGE PV-BATTERY SYSTEM**

A PROJECT (Phase-I) REPORT

Submitted by

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MASTER OF ENGINEERING

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POWER SYSTEMS ENGINEERING

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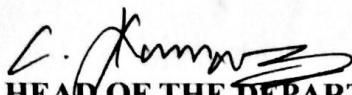
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DECEMBER 2022

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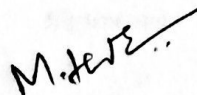
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Certified that this project report “POWER QUALITY IMPROVEMENT AND HARMONICS REDUCTION METHOD USING NEURAL FUZZY LOGIC CONTROLLER IN TWO STAGE PV-BATTERY SYSTEM” is the bonafide work of **R.MYTHILI (927621MPS004)** who carried out the major project work during the academic year (2022-2023)under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



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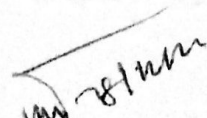
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Project viva voce Examination held on 28-12-22



INTERNAL EXAMINER



EXTERNAL EXAMINER



**CONTROL AND OPTIMIZATION OF BI-DIRECTIONAL DC-DC CONVERTER
INTEGRATED WITH RENEWABLE ENERGY SOURCE**

A PROJECT (Phase I) REPORT

Submitted by

REVATHI M (21MPS006)

In partial fulfillment for the award of the degree of

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M.KUMARASAMY COLLEGE OF ENGINEERING

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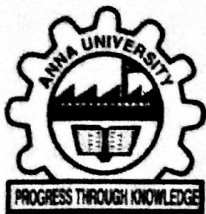
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Submitted for Project Work Phase I viva voce examination held on 28.12.22


Internal Examiner


External Examiner



**REAL AND REACTIVE POWER CONTROL OF SOLAR
GRID TIE INVERTER UNDER DISTORED
CONDITIONS**

PHASE I REPORT

Submitted by

SANTHOSH KUMAR K (927621MPS007)

in partial fulfillment for the award of the degree of

MASTER OF ENGINEERING

in

POWER SYSTEMS ENGINEERING

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DECEMBER 2022



BONAFIDE CERTIFICATE

Certified that this project report “**REAL AND REACTIVE POWER CONTROL OF SOLAR GRID TIE INVERTER UNDER DISTORED CONDITIONS**” is the bonafide work of “**SANTHOSH KUMAR K (927621MPS007)**” who carried out the project work during the academic year 2022-2023 under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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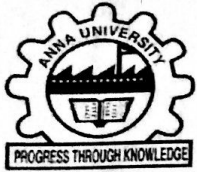
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Internal Examiner
28/12/22

External Examiner
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PERFORMANCE ANALYSIS OF MULTI LEVEL INVERTER

PHASE I REPORT

Submitted by

USHA P (927621MPS008)

In partial fulfillment for the award of the degree of

MASTER OF ENGINEERING

in

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Submitted for Project Work Phase I viva voce examination held on 28.12.2022

Internal Examiner

External Examiner



Criterion 1: Curricular Aspects

1.3 Curriculum Enrichment

1.3.4.1: Number of students undertaking field projects / internships / student projects

Programme Name: M.E Power Systems Engineering.

PG Phase-II Projects Proof



DIRECTIONAL RELAYING SCHEME BASED ON ONLY FAULT CURRENT

A PROJECT (PHASE-II) REPORT

Submitted by

ARUL KUMARAN.C.D (927621MPS001)

in partial fulfillment for the award of the degree of

MASTER OF ENGINEERING

in

POWER SYSTEMS ENGINEERING

M.KUMARASAMY COLLEGE OF ENGINEERING

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APRIL 2023

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Submitted for Project Work Phase II (19PPSP103L) viva voce examination held on 11-04-2023

Internal Examiner

External Examiner



**POWER TRANSFORMER LOAD FORECASTING
SYSTEM USING MACHINE LEARNING
ALGORITHMS**

A PROJECT (PHASE-II) REPORT

Submitted by

JANANI D (21MPS002)

in partial fulfillment for the award of the degree of

MASTER OF ENGINEERING

in

POWER SYSTEMS ENGINEERING

M.KUMARASAMY COLLEGE OF ENGINEERING KARUR - 639113

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APRIL 2023

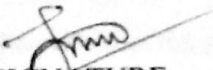
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BONAFIDE CERTIFICATE

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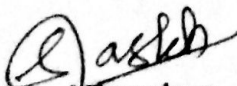
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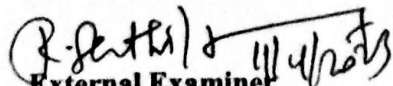


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Internal Examiner


External Examiner



**DESIGN AND DEVELOPMENT OF INC-MPPT SWITCHED ZETA
CONVERTER FOR SOLAR PV ARRAYS**

A PROJECT (PHASE-II) REPORT

Submitted by

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POWER SYSTEMS ENGINEERING

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APRIL 2023

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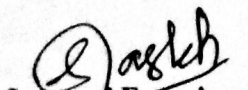
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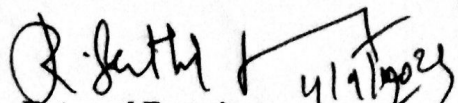
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Submitted for Project Work Phase II viva voce examination held on 11.04.23



Internal Examiner



External Examiner 4/11/2023



**PHOTO VOLTAIC BASED POWER QUALITY
IMPROVEMENT AND HARMONIC REDUCTION IN
MICROGRID USING NEURO FUZZY LOGIC CONTROLLER**

PHASE II REPORT

Submitted by

MYTHILIR (927621MPS004)

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MASTER OF ENGINEERING

IN

POWER SYSTEMS ENGINEERING

M. KUMARASAMY COLLEGE OF ENGINEERING

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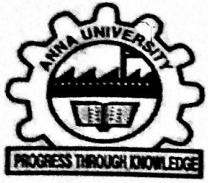
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INTERNAL EXAMINER

EXTERNAL EXAMINER



**CONTROL AND OPTIMIZATION OF BI-DIRECTIONAL
DC-DC CONVERTER INTEGRATED WITH
WIND ENERGY SOURCE**

A PROJECT (PHASE II) REPORT

Submitted by

REVATHI M (21MPS006)

In partial fulfillment for the award of the degree of

MASTER OF ENGINEERING

in

POWER SYSTEMS ENGINEERING

M.KUMARASAMY COLLEGE OF ENGINEERING, KARUR-639113

(An Autonomous Institution, Affiliated to Anna University, Chennai)

APRIL 2023


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BONAFIDE CERTIFICATE

Certified that this project report "CONTROL AND OPTIMIZATION OF BI-DIRECTIONAL DC-DC CONVERTER INTEGRATED WITH WIND ENERGY SOURCE" is the bonafide work of "REVATHI M (21MPS006)" who carried out the project work during the academic year 2022-2023 under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


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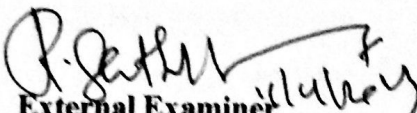

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FUZZY LOGIC CONTROLLED CASCADED H-BRIDGE MULTILEVEL INVERTER

PHASE II REPORT

Submitted by

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In partial full fillment for the award of the degree of

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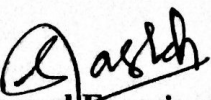
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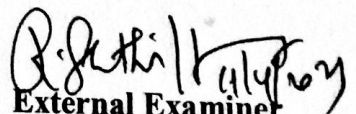
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Submitted for Project Work Phase II viva voice examination held on 11.04.2023


Internal Examiner


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**PERFORMANCE ANALYSIS HARMONIC REDUCED
MODIFIED PUC MULTILEVEL INVERTER**

A Project (Phase-II) Report

Submitted by

USHA P (21MPS008)

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MASTER OF ENGINEERING

in

POWER SYSTEMS ENGINEERING

M.KUMARASAMY COLLEGE OF ENGINEERING KARUR - 639113

(An Autonomous Institution, Affiliated to Anna University, Chennai)

KARUR-639113

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M.KUMARASAMY COLLEGE OF ENGINEERING KARUR
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BONAFIDE CERTIFICATE

Certified that this project report **“PERFORMANCE ANALYSIS HARMONIC REDUCED MODIFIED PUC MULTILEVEL INVERTER”** is the bonafide work of **“USHA P(21MPS008)”** who carried out the project work during the academic year 2020-2021 under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

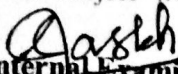

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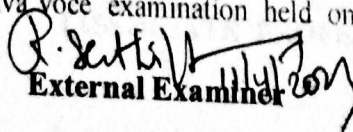
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