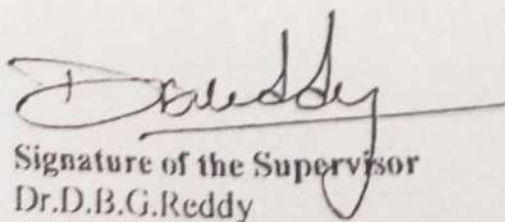


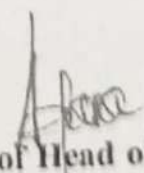
VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
HYDERABAD – 500 075

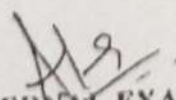


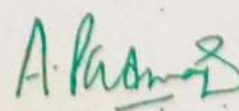
CERTIFICATE

Certified that this is a bonafide record of the dissertation work entitled “UPQC-Based SFCL for Power Quality in a distribution Power System” done by B.SABITHA bearing Roll. No: (18911D0701) submitted to the faculty of Electrical & Electronics Engineering, in partial fulfillment of the requirements for the Degree of MASTER OF TECHNOLOGY with specialization in ELECTRICAL POWER SYSTEM from Jawaharlal Nehru Technological University Hyderabad.


Signature of the Supervisor
Dr.D.B.G.Reddy
Professor


Signature of Head of the Department
Dr.A.Srujana
Professor & Head


EXTERNAL EXAMINER

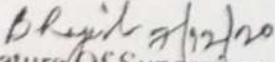

PRINCIPAL
Vidya Jyothi Institute of Technology
Himayatnagar (VIT), C. B. Post.
Hyderabad-75.

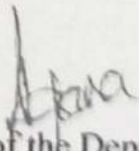
VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
HYDERABAD – 500 075




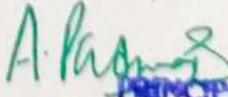
CERTIFICATE

Certified that this is a bonafide record of the dissertation work entitled “ANALYSIS OF SINGLE-PHASE TRANSFORMER LESS INVERTER FOR HYBRID RENEWABLE ENERGY SOURCES” done by K. TEJASREE bearing Roll. No: (18911D0704) submitted to the faculty of Electrical & Electronics Engineering, in partial fulfillment of the requirements for the Degree of MASTER OF TECHNOLOGY with specialization in ELECTRICAL POWER SYSTEM from Jawaharlal Nehru Technological University Hyderabad.


Signature Of Supervisor
Mr. B. RAJESH
Asst. Professor


Head of the Department
Dr. A. SRUJANA
Professor & HOD


EXTERNAL EXAMINAR


PRINCIPAL
Vidya Jyothi Institute of Technology
Himayatnagar (VIB), C B. Post,
Hyderabad-75

Vidya Jyothi Institute of Technology

An Autonomous Institution

Approved By AICTE, New Delhi & Affiliated To Jawaharlal Nehru Technological
University Hyderabad



CERTIFICATE

This is to certify that the project work entitled "OPTIMAL POWER GENERATION WITH MULTI RENEWABLE SOURCE CASCADED MULTI-LEVEL INVERTER FOR EFFICIENT POWER DELIVERY AND REDUCED THD", submitted by V.VIJAY KUMAR (17911D0701) a student of department of Electrical & Electronics Engineering, Vidya Jyothi Institute Of Technology in partial fulfilment of the requirements for the award of the Degree of Master Of Technology in Electrical Power Systems (Electrical And Electronics Engineering) is a record of bonafide work carried out by me during the academic year 2019-2020.

C.N. Ravi
15/12/20
Project Guide

Dr. C.N. RAVI
Professor

A. Srujana
Head of the Department
Dr. A. SRUJANA

Professor & Head, Dept. of EEE

[Signature]
22/12/20

A. Prasad
PRINCIPAL
Vidya Jyothi Institute of Technology,
Minnampetnagar (Vill), C.B. Post,
Hyderabad-75

Vidya Jyothi Institute of Technology

An Autonomous Institution

Approved By AICTE, New Delhi & Affiliated To Jawaharlal Nehru Technological

University Hyderabad



CERTIFICATE

This is to certify that the project work entitled "A PFC ZETA CONVERTER CONTROLLED INTELLIGENT WATER PUMPING SYSTEM WITH SOLAR PANEL INTEGRATION", submitted by MYAKALA HARISH (17916D0706) a student of department of Electrical & Electronics Engineering, Vidya Jyothi Institute Of Technology in partial fulfillment of the requirements for the award of the Degree of Master Of Technology in Electrical Power Systems (Electrical And Electronics Engineering) is a record of bonafide work carried out by me during the academic year 2018-2019.

Project Guide

K. SWAPNA

Assistant Professor

Head of the Department

Dr. A. SRUJANA

Professor & Head, Dept. of EEE

PRINCIPAL

Vidya Jyothi Institute of Technology
Himayatnagar (VIII), C B. Post
Hyderabad-75

22/12/20
External Examiner

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
APPROVED BY AICTE, NEW DELHI & AFFILIATED TO JAWAHARLAL NEHRU
TECHNOLOGICAL
UNIVERSITY HYDERABAD



CERTIFICATE

Date: 7/12/2020

This is to be certified that this is a bonafide record of the dissertation work entitled "DISTRIBUTED GENERATION HYBRID SYSTEM POWER QUALITY BY USING DSTATCOM" that is being submitted by B.KEERTHANA bearing Roll. No: (18911D0705) to the faculty of Electrical & Electronics Engineering, in partial fulfillment of the requirements for the Degree of MASTER OF TECHNOLOGY with specialization in ELECTRICAL POWER SYSTEMS from Vidya Jyothi Institute Of Technology, Hyderabad.

Signature of the Supervisor
Mr. M. VIJAY KUMAR
Assistant Professor
EEE, VJIT

Signature of the Head of the Department
Dr. A. SRUJANA
Professor & Head of the department
EEE, VJIT

PRINCIPAL
Vidya Jyothi Institute of Technology
Himayatnagar (VIII), C. B. Post,
Hyderabad-75

EXTERNAL EXAMINER

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
HYDERABAD – 500 075



CERTIFICATE

Certified that this is a bonafide record of the dissertation work entitled “PLUG-AND-PLAY COMPLIANT CONTROL HYBRID SYSTEM FOR MICRO-GRID” done by K. RAKESH KUMAR bearing Roll. No: (18911D0703) submitted to the faculty of Electrical & Electronics Engineering, in partial fulfillment of the requirements for the Degree of MASTER OF TECHNOLOGY with specialization in ELECTRICAL POWER SYSTEM from Jawaharlal Nehru Technological University Hyderabad.

Signature of the Supervisor
DR.A.SRUJANA
Professor &HOD

External Examiner

A. K. Ramani

PRINCIPAL

Vidya Jyothi Institute of Technology
Hiranayana Nagar (Vill), C B. Post,
Hyderabad-75.

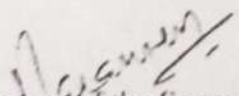
Head of the Department
DR.A.SRUJANA
Professor & HOD

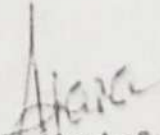
VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
HYDERABAD - 500 075

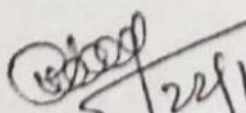



CERTIFICATE

Certified that this is a bonafide record of the dissertation work entitled "POWER FACTOR CORRECTION USING ELECTRIC SPRINGS WITH CURRENT-SOURCE INVERTERS FOR CRITICAL LOADS" done by K. SAI PRAKASH bearing Roll. No: (18911D0713) submitted to the faculty of Electrical & Electronics Engineering, in partial fulfillment of the requirements for the Degree of MASTER OF TECHNOLOGY with specialization in ELECTRICAL POWER SYSTEM from Jawaharlal Nehru Technological University Hyderabad.


Signature of the Supervisor
Mr. T. PARAMESWAR
Associate Professor


Signature of the Head of the Department
DR. A. SRUJANA
Professor & Head


Signature of the External Examiner

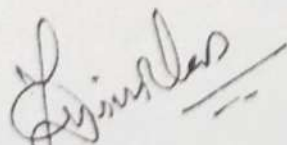

PRINCIPAL
Vidya Jyothi Institute of Technology
Huzurpally (VIT), C. B. Post,
Hyderabad-75.

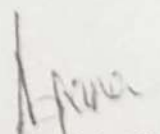
VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
HYDERABAD – 500 075

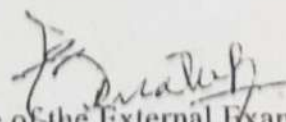


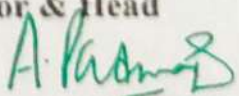
CERTIFICATE

Certified that this is a bonafide record of the dissertation work entitled "DISTRIBUTION NETWORK POWER QUALITY ENHANCEMENT BY ANN AND STATCOM" done by MOHAMMED FARISUDDIN bearing Roll. No: (18911D0707) submitted to the faculty of Electrical & Electronics Engineering, in partial fulfillment of the requirements for the Degree of MASTER OF TECHNOLOGY with specialization in ELECTRICAL POWER SYSTEM from Jawaharlal Nehru Technological University Hyderabad.


Signature of the Supervisor
Mr. D. SRINIVAS_{M-Tech}
Associate Professor


Signature of the Head of the Department
Dr. A. SRUJANA_{M-Tech, Ph.D}
Professor & Head


Signature of the External Examiner


PRINCIPAL
Vidya Jyothi Institute of Technology
Himayatnagar (VIII), C. B. Post
Hyderabad-75

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
HYDERABAD – 500 075



CERTIFICATE

Certified that this is a confide record of the dissertation work entitled “PV WITH DUAL-BATTERY ENERGY STORAGE BY BIDIRECTIONAL DC/DC CONVERTER FOR HYBRID ELECTRIC VEHICLE SYSTEM” done by SUDULA KRISHNA PRASAD bearing Roll. No: (18911D0711) submitted to the faculty of Electrical & Electronics Engineering, in partial fulfillment of the requirements for the Degree of MASTER OF TECHNOLOGY with specialization in ELECTRICAL POWER SYSTEM in Jawaharlal Nehru Technological University Hyderabad.

C.N. Ravi
7/12/20
Signature of the Supervisor
Dr. C.N.RAVI
Professor

A. Srujana
Signature of the Head of the Department
Dr. A.SRUJANA
Professor & Head

(Ext Examiner)

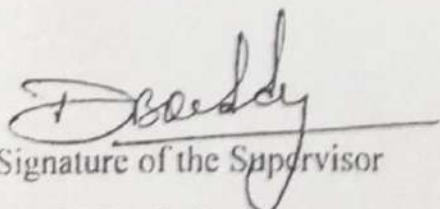
A. Krishna
PRINCIPAL
Vidya Jyothi Institute of Technology
Himayatnagar (VIII), C. B. Post.
Hyderabad-75

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
HYDERABAD - 500 075



CERTIFICATE

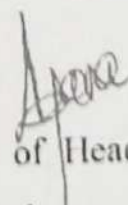
Certified that this is a bonafide record of the dissertation work entitled "A Buck and Boost Single Phase Grid Connected Transformerless Photovoltaic (PV) Inverter Based Fuzzy Controller" done by P. RAJITHA bearing Roll. No: (18911D0709) submitted to the faculty of Electrical & Electronics Engineering, in partial fulfillment of the requirements for the Degree of MASTER OF TECHNOLOGY with specialization in ELECTRICAL POWER SYSTEMS from Jawaharlal Nehru Technological University Hyderabad.



Signature of the Supervisor

Dr. D. B. G. Reddy

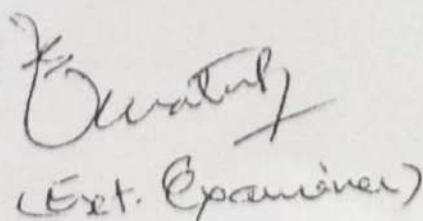
Professor


Signature of Head of the Department
Dr. A. Srujana

Professor & Head of the Department



PRINCIPAL
Vidya Jyothi Institute of Technology
Himayatnagar (Vill), C. B. Post
Hyderabad-75

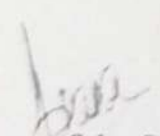

(Ext. Examiner)

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
HYDERABAD – 500 075




CERTIFICATE

Certified that this is a bonafide record of the dissertation work entitled "HARMONICS SUPPRESSION IN INDUCTION MOTOR WITH SVPWM IN PV SYSTEM" done by K. MANOHAR bearing Roll. No: (18911D0706) submitted to the faculty of Electrical & Electronics Engineering, in partial fulfillment of the requirements for the Degree of MASTER OF TECHNOLOGY with specialization in ELECTRICAL POWER SYSTEMS from Jawaharlal Nehru Technological University Hyderabad.


Signature of the Supervisor

Prof. Dr. A.Srujana

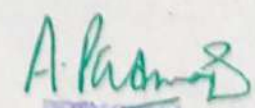
Professor & Head of the Department


Signature of the Head of the Department

Prof. Dr. A.Srujana

Professor & Head of the Department


EXTERNAL EXAMINER


A. Pramod
Principal
Vidya Jyothi Institute of Technology
Himayyannagar (VIT), C. B. Post
Hyderabad-75

VidyaJyothi Institute of Technology, Hyderabad

(An Autonomous Institution)

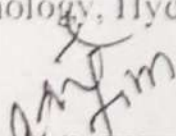
Approved by AICTE, New Delhi & Affiliated to Jawaharlal Nehru
Technological University, Hyderabad



CERTIFICATE

Date:-.....

This is to certify that the dissertation entitled, "Enhancement of Power Quality Via Fuzzy Logic With A Multilevel THSeAF For Single Phase Loads done by MOHAMMED ILYAS bearing H.T No:-17911D0715, submitted to the faculty of Electrical & Electronics Engineering, in partial fulfillment of the requirements for the Degree of MASTER OF TECHNOLOGY with specialization in Electrical Power Systems from VidyaJyothi Institute Of Technology, Hyderabad.


INTERNAL GUIDE

Mr.M.VIJAY KUMAR

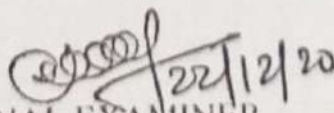
Assistant Professor, EEE Dept.


HOD

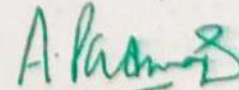
Dr.A. Srujana

Professor & HOD, EEE Dept.

VJIT


EXTERNAL EXAMINER

VJIT


PRINCIPAL
Vidya Jyothi Institute of Technology
Himayasnagar (Vill), C B. Post,
Hyderabad-75

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

(AN AUTONOMOUS INSTITUTION)

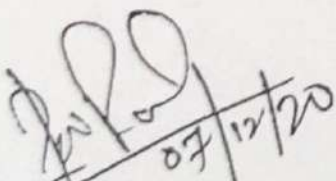
AZIZNAGAR, C.B. POST, HYDERABAD- 500075.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

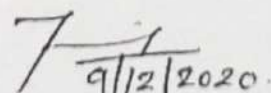
This is to certify that the project work entitled "AN f-P/Q DROOP CONTROL IN CASCADED TYPE MICROGRID TO ACHIEVE POWER BALANCE IN BOTH RL & RC LOAD AUTONOMOUSLY", submitted by PULI SRIVANI (18911D0710) a student of department of Electrical & Electronics Engineering, Vidya Jyothi Institute of Technology in partial fulfillment for the award of the Degree of "MASTER OF TECHNOLOGY" with specialization in "ELECTRICAL POWER SYSTEMS" is a record of bonafide work carried out by me during the academic year 2019-2020.


Signature of the internal guide

Mr. P. NAGESWARA RAO

Associate professor, EEE

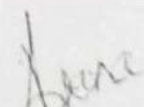
VJIT


Signature of the internal guide

Mr. HUSSAIN SHAIK

Assistant professor, EEE

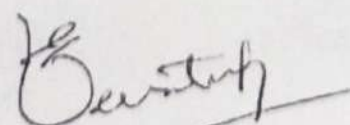
VJIT

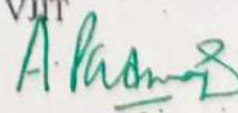

Signature of the HOD

Dr. A. SRUJANA

Professor & Head, EEE

VJIT


(Ext. Examiner)


PRINCIPAL
Vidya Jyothi Institute of Technology
Himayatnagar (VIII), C. B. Post,
Hyderabad-75