

Dr. Ambedkar Institute of Technology
Department of Electrical and Electronics Engineering

The NAAC documents enclosed are verified and approved.

Jayaramulu G
HOD
Dept of EEE
Department of Electrical and Electronics Engg.
Dr. Ambedkar Institute of Technology
Bengaluru-560056
5/11/22

Dr. Ambedkar Institute of Technology, Bengaluru-56

Department of Electrical & Electronics

Power Electronics PG

List of project guides and title of the projects

2019-2021

Sl. No.	Student Name	Reg. No.	Guide Name	Title of the project.
1.	ASHWINI SUGIRAYANAMATH	1DA19EPE01	Dr. GV Jayaramaiah	Automatic and advance Power source management system using microcontroller
2.	CHAITHRA H S	1DA19EPE02	Dr. Shankarlingappa C B	9 level cascaded multilevel inverter topology with reduced number of switches
3.	GAJENDRA YADAV N	1DA19EPE03	Dr. Jyoti P Koujalagi	Calculation of Electromagnetic fields in electrical machines using Finite element method
4.	GANGADARA BN	1DA19EPE04	Dr. S Vasudevamurthy	Wind MPPT for a PMSG SWT in a Grid-Connected DC Micro grid
5.	NAGE GOWDA D	1DA19EPE05	Dr. H V Govinda Raju	Voltage controller for variable speed induction generator using matrix converter
6.	PAVAN KUMAR D S	1DA19EPE06	Prof. T B Dayananda	Bidirectional DC/DC Converter with Dual-Battery Energy Storage for Hybrid Electric Vehicle System
7.	POOJA G	1DA19EPE07	Prof. Nalini S	Advance smart electric vehicles charging stations
8.	SANTHOSH H V	1DA19EPE08	Dr. Eranna	Design of A Multilevel Inverter with reactive power control ability for connecting PV cells to the grid
9.	SHREEDHAR RAO N R	1DA19EPE09	Dr. Arpitha Raju B	Realisation of Regenerative E - Vehicle using BLDC motor
10.	USHA M TEGGIHALLI	1DA19EPE10	Prof. Mukundaswamy	IOT based solar energy management system

Tajarellu B

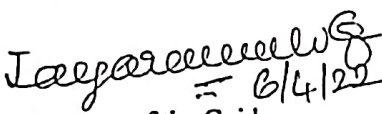
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(An Autonomous Institution, Aided by Govt. of Karnataka)
Affiliated to Visvesvaraya Technological University
Near Jnanabharathi Campus, Bangalore - 560056

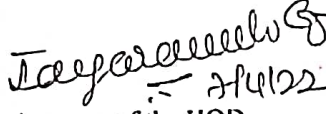



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
2020-2021

CERTIFICATE

This is to certify that the student, **ASHWINI SUGIRAYYANAMATHI**, USN: **1DA19EPE01** abona fide student of **Dr. Ambedkar Institute of Technology**, has carried out project work titled "**Modelling and Simulation of Multiple Permanent Magnet Synchronous Generator Based WECS with DC Voltage Regulation**" in partial fulfillment for the award of **Master of Technology in Power Electronics** during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project Report has been approved as it satisfies the academic requirements for the said degree.


Signature of the Guide
Dr. G.V. Jayaramaiah
Dept. of EEE, Dr. AIT
Professor


Signature of the HOD
Dr. G.V. Jayaramaiah
Dept. of EEE, Dr. AIT
Professor


Signature of the Principal
Dr. M. Meenakshi
Dept. Principal, Dr. AIT, Electronics E
Dr. Ambedkar Institute of Technology
Bangalore-560056

External Viva

Name of Examiners

Signature with Date

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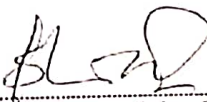
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



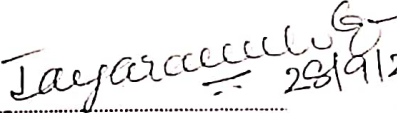
CERTIFICATE

This is to certify that the project report titled "Modified Nine Level Multi Level Inverter Topology for Trinary Sequences with Reduced Switches and Switching Losses" is carried out by Chaithra.H.S (IDA19EPE02) is a bonafide student of Dr. Ambedkar Institute of Technology Bengaluru - 56, in partial fulfillment of the award of degree-M.Tech in Power Electronics of Visvesvaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all the corrections / suggestions indicated during internal assessment have been incorporated in the report deposited in the department library. It is further certified that this work has not been submitted to any university for the award of any other degree or diploma or certificate including a similar degree.

The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Signature of the Guide

Dr. Shankaralingappa C.B


Signature of the HOD

Dr. G.V. Jayaramaiah


Signature of the Principal

Dr. M. Meenakshi

PRINCIPAL
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

External Viva

Name of Examiners

Signature with Date

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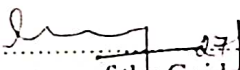
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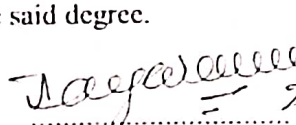


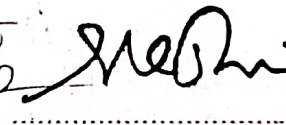
CERTIFICATE

This is to certify that the project report titled "STUDY AND ANALYSIS OF ELECTROMAGNETIC FIELD IN INDUCTION MOTOR USING ANSYS MAXWELL" is carried out by Gajendra Yadav N (1DA19EPE03) is a bonafide student of Dr. Ambedkar Institute of Technology Bengaluru – 56, in partial fulfillment of the award of degree-M.Tech in Power Electronics of Visvesvaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all the corrections / suggestions indicated during internal assessment have been incorporated in the report deposited in the department library. It is further certified that this work has not been submitted to any university for the award of any other degree or diploma or certificate including a similar degree.

The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Signature of the Guide
Dr. Jyoti P Koujalagi


Signature of the HOD
Dr. G.V. Jayaramaiah


Signature of the Principal
Dr. M. Meenakshi

External Viva

Name of Examiners

Signature with Date

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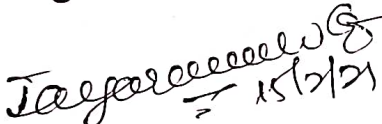


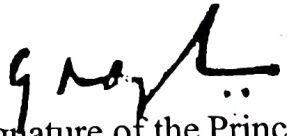
Aided By Govt. of Karnataka

CERTIFICATE

This is to certify that the student, **GANGADARA B N [1DA19EPE04]** bonafide student of Dr. Ambedkar Institute of Technology, has completed Internship in “**Pragna Microdesigns**” in partial fulfillment in the award of **Master of Technology in Power Electronics** during the year 2020 – 2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Internship Report has been approved as it satisfies the academic requirements for the said degree.


Signature of the Guide
Dr. S Vasudevamurthy


Signature of HOD
Dr. G V Jayaramaiah

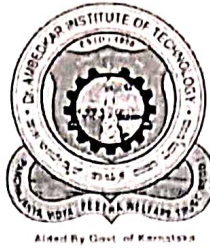

Signature of the Principal
Dr. G RAJENDRA

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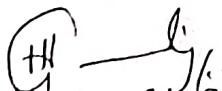
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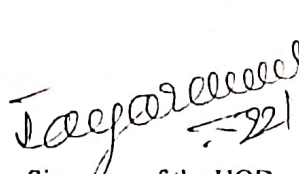


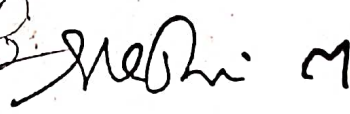
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
2020-2021

CERTIFICATE

This is to certify that the student, NAGE GOWDA D D, USN:1DA19EPE05 a bonafide student of Dr. Ambedkar Institute of Technology, has carried out project work titled "Real and Reactive Power Control using Matrix Converter for Induction Generator Based Wind Energy Conversion System" in partial fulfillment for the award of Master of Technology in Power Electronics during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements for the said degree.


Signature of the Guide
Dr. H V Govindaraju
Associate Professor
Dept. of EEE, Dr. AIT


Signature of the HOD
Dr. G.V. Jayaramaiah
Professor
Dept. of EEE, Dr. AIT


Signature of the Principal
Dr. M. Meenakshi
Principal, Dr. AIT

External Viva

Name of Examiners

Signature with Date

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
2020-2021

CERTIFICATE

This is to certify that the student, PAVANKUMAR D S, USN:IDA19EPE06 a bonafide student of Dr. Ambedkar Institute of Technology, has carried out project work titled "Design and Control of Single-Stage Grid Connected Solar PV with BES System" in partial fulfillment for the award of Master of Technology in Power Electronics during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project Report has been approved as it satisfies the academic requirements for the said degree.

Day 19/12/2022
Signature of the Guide
Mr. Dayananada T B
Associate Professor
Dept. of EEE, Dr. AIT

Seegapad 19/12/22
Signature of the HOD
Dr. G. V. Jayaramiah
Department of Electrical and Electronics Engg.
Dept. of EEE, Dr. AIT
Dr. Ambedkar Institute of Technology
Professor
Bangalore-560056

Meenakshi
Signature of the Principal
Dr. M. Meenakshi
Principal, Dr. AIT

External Viva

Name of Examiners

Signature with Date

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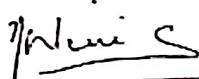
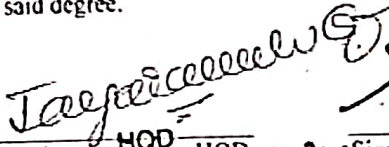
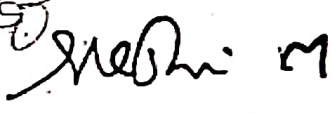
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project report titled "Smart Electric Vehicle Charging Station Using Renewable Energy Sources" is carried out by Pooja G (IDA19EPE07) a bonafide student of Dr. Ambedkar Institute of Technology Bengaluru - 56, in partial fulfillment of the award of degree M.Tech in Power Electronics of Visvesvaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all the corrections / suggestions indicated during internal assessment have been incorporated in the report deposited in the department library. It is further certified that this work has not been submitted to any university for the award of any other degree or diploma or certificate including a similar degree.

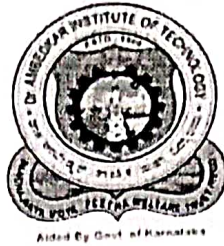
The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

 Signature of the Guide Nalini S	 Signature of the HOD Department of Electrical and Electronics Engineering Dr. Ambedkar Institute of Technology Bengaluru-560056	 Signature of the Principal Dr. M. Meenakshi PRINCIPAL Dr. Ambedkar Institute of Technology Bengaluru-560 056
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External Viva

Name of Examiners	Signature with Date
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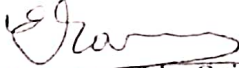
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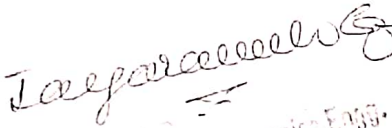



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
2020-2021

CERTIFICATE

This is to certify that the student, **SANTHOSH H V**, USN:1DA19EPE08 a bonafide student of **Dr. Ambedkar Institute of Technology**, has carried out project work titled **“Design & Simulation of Grid connected PV Sourced NPC Inverter with Reactive Power Injection”** in partial fulfillment for the award of **Master of Technology in Power Electronics** during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project Report has been approved as it satisfies the academic requirements for the said degree.


Signature of the Guide
Dr. Eranna
Associate Professor
Dept. of EEE, Dr. AIT


Signature of the HOD
Dr. G.V. Jayaramaiah
Dept. of EEE, Dr. AIT


Signature of the Principal
Dr. M. Meenakshi
Dr. AIT, Bangalore

External Viva

Name of Examiners

Signature with Date

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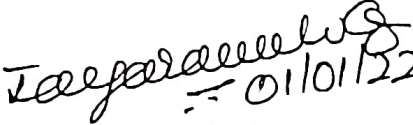



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
2020-2021

CERTIFICATE

This is to certify that the student, SHREEDHAR RAO N R, USN:1DA19EPE09 a bonafide student of Dr. Ambedkar Institute of Technology, has carried out project work titled “BLDC drive based Electric Vehicle with Regenerative Braking for Low Voltage Vehicle Loads” in partial fulfillment for the award of Master of Technology in Power Electronics during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project Report has been approved as it satisfies the academic requirements for the said degree.


Signature of the Guide
Dr. Arpitha Raju B
Assistant Professor
Dept. of EEE, Dr. AIT


Signature of the HOD
Dr. G.V. Jayaramaiah
Dept. of EEE, Dr. AIT


Signature of the Principal
Dr. M. Meenakshi
Dr. AIT, Bangalore

External Viva

Name of Examiners

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Signature with Date

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Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY

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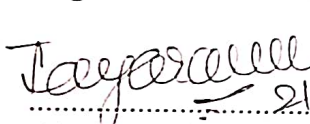


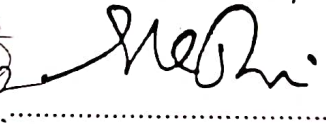
CERTIFICATE

This is to certify that the project report titled “DESIGN AND SIMULATION OF IOT BASED SOLAR ENEGRY MANAGEMENT” is carried out by USHA M TEGGIHALLI (1DA19EPE10) is a bonafide student of Dr. Ambedkar Institute of Technology Bengaluru – 56, in partial fulfillment of the award of degree-M.Tech in Power Electronics of Visveswaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all the corrections / suggestions indicated during internal assessment have been incorporated in the report deposited in the department library. It is further certified that this work has not been submitted to any university for the award of any other degree or diploma or certificate including a similar degree.

The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


.....
Signature of the Guide
Mukundaswamy M S
Assistant Professor


.....
Signature of the HOD
Dr. G.V. Jayaramaiah


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Signature of the Principal
Dr. M. Meenakshi.

External Viva

Name of Examiners

Signature with Date

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