

**STATE OF CHARGE ANALYSIS OF ELECTRICAL VEHICLE
BATTERY SYSTEM**

*A Project Report submitted in partial fulfilment of the requirements
for the award of the Degree of
BACHELOR OF TECHNOLOGY*

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

BH.SAI PRAVEEN

20U45A0207

G.DEEPTHI

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20U45A0266

Under the Esteemed Guidance of

Mr. K. VIJAY KUMAR

Associate Professor, Department of EEE

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This is to certify that the Project work entitled "State of Charge Analysis of Electric Vehicle Battery System" is being submitted by Bheemisetty Sai Praveen-20U45A0207, Galla Deepthi - 19U41A0201, Sirisha - 20U45A0266, Siva 20U45A0214 in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY IN ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2022-2023.

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EXTERNAL EXAMINER



**Techno Economical Demand Based Analysis in
End of Life Management**

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

A.VIJAY KUMAR	20U45A0201
K.CHANDRIKA	20U45A0229
P.MURARI	20U45A0242
P.SAI KONDAYYA	19U41A0210

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2023

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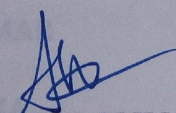
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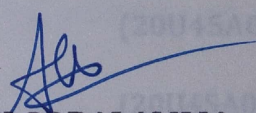
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This is to certify that the Project work entitled "TECHNO ECONOMICAL DEMAND BASED ANALYSIS IN END OF LIFE MANAGEMENT" is a being submitted by A VIJAY KUMAR (20U45A0201), K CHANDRIKA (20U45A0229), P MURARI (20U45A0242), P SAI KONDAYYA (19U41A0210) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2022-23.


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EXTERNAL EXAMINER

IMPLEMENTATION OF SPEED AND TORQUE CONTROL OF INDUCTION MOTOR DRIVE USING SPACE VECTOR MODULATION

*A Project Report Submitted in partial fulfillment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by
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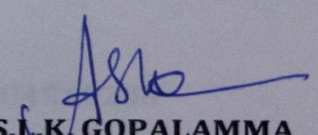
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This is to certify that the Project work entitled "**Implementation of speed and torque control of induction motor drive using space vector modulation**" is a being submitted by BABBODI PAPINAIDU (20U45A0205), KARANAM PAVANI (20U45A0225), JALLA VISWASWARA RAO (20U45A0220). In partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY IN ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2022-23.


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EXTERNAL EXAMINER



**IMPLEMENTATION OF SMART STREET LIGHT
AUTOMATION AND FAULT DETECTION**

*A project Thesis submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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This is to certify that the Final Year Project work entitled "IMPLEMENTATION OF SMART STREET LIGHT AUTOMATION AND FAULT DETECTION" is a being submitted by S.PADMANABAM (20U45A0245), S.UDAY KIRAN (20U45A0255), P. LOHITH KUMAR (20U45A0240), M.PREM KUMAR (20U45A0235), in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2020-2023.

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EXTERNAL EXAMINER



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ARDUINO BASED WIRELESS ELECTRONIC NOTICE BOARD USING GSM MODEM

DUNDURATHI ARUNA	(20U45A0216)
SANKARLA SANTOSH SANDEEP	(20U45A0247)
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EXTERNAL EXAMINER



SENSORLESS BLDC MOTOR DRIVE FOR AUTOMOTIVE APPLICATIONS

A Project Report

Submitted in partial fulfilment of the requirements

for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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EXTERNAL EXAMINER



DC-DC BOOST CONVERTER SLIDING MODE CONTROL FOR PHOTOVOLTAIC SYSTEMS WITH MAXIMUM POWER POINT TRACKING

*A Project Report Submitted in partial fulfillment of the requirements
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**BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERING**

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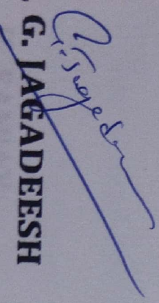


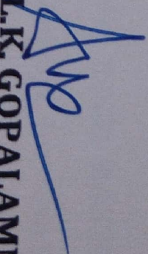
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This is to certify that the Project work entitled "DC-DC Boost Converter Sliding Mode Control for Photovoltaic Systems with Maximum Power Point Tracking" is a being submitted by KANDREGULA SANJAY (20U45A0224), EEGALA KUMAR (20U45A0217), KONATHALA VENKATESH (19U41A0202), GANNISETTY HARSHA VARDHAN (20U45A0264). In partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY IN ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2022-23.


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EXTERNAL EXAMINER

28

VELOCITY CONTROL OF PMSM FED BY AN INVERTER DC/DC BUCK POWER ELECTRONIC CONVERTER

A project thesis submitted in partial fulfillment of the requirements for
the award of the degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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EXTERNAL EXAMINER

SPEED SYNCHRONIZATION OF MULTIPLE BLDC MOTOR DRIVE USING ARDUINO

A Project Thesis

Submitted in partial fulfillment of the requirements

For the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

SALAPU SAI GANESH	-	20U45A0246
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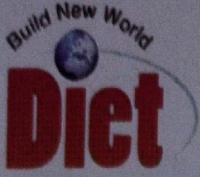
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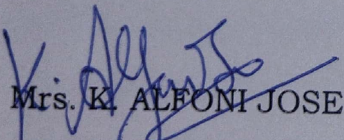




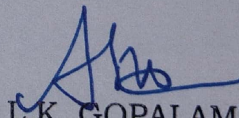
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This is to certify that the Project work entitled “**SPEED SYNCHRONIZATION OF MULTIPLE BLDC MOTOR DRIVE USING ARDUINO**” is being submitted by **SALAPU SAI GANESH (20U45A0246)**, **SIRASAPALLI SAI KUMAR (20U45A0253)**, **YEDDU ARAVIND KUMAR (20U45A0260)**, **LOKIREDDY SUNIL (20U45A0234)**, **KARRI KESAVA (20U45A0262)** in partial fulfilment of the Requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** for **ELECTRICAL AND ELECTRONICS ENGINEERING** during the academic year 2022-23.


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15/9/23
EXTERNAL EXAMINER

AUTOMATIC VEHICLE HEADLIGHT SWITCHING AND EYE BLINK RESCUE SYSTEM USING ARDUINO

A Project Thesis

*Submitted in partial fulfilment of the requirements
for the award of the Degree of*

BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING

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CERTIFICATE

This is to certify that the project work entitled "**AUTOMATIC VEHICLE HEADLIGHT SWITCHING AND EYE BLINK RESCUE SYSTEM USING ARDUINO**" is being submitted by **SEERAM SAI (20U45A0249), N. VENKATA SAI TRINADH (19U41A0209), K.V CHITHANYA (20U45A0230), G. GANESH (20U45A0263)**, in partial fulfilment of the Requirement for the award of the degree of **BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING** during the academic year 2022-23.

Mr. B. V. Veeranjanyulu

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EXTERNAL EXAMINER

**PERFORMANCE ANALYSIS OF DC FAST CHARGING
ARCHITECTURE OF VEHICLE-TO-GRID
TECHNOLOGY IN A MICRO GRID USING PID
CONTROLLING TECHNIQUES.**

*A Project Report Submitted in Partial Fulfilment of the Requirements for
the Award of the degree of*

BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

L TARUNKUMAR	(20U45A0233)
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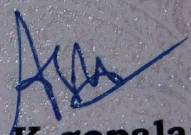
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