STABILITY AND STABILIZATION OF NETWORKED LOAD FREQUENCY CONTROL SYSTEMS INTEGRATED WITH ELECTRIC VEHICLE AGGREGATORS.

PROJECT REPORT

Submitted by

KALAVAGUNTA VAMSHI 17EE118 SHARINI RITHIGAA B S 17CE153

Under the guidance of

Dr. K. RAMAKRISHNAN

In partial fulfillment of the requirements for the degree of

Bachelor of Technology

in

Electrical and Electronics Engineering



SUMBITTED TO

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING PONDICHERRY ENGINEERING COLLEGE

PUDUCHERRY-605 014

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PONDICHERRY ENGINEERING COLLEGE
PUDUCHERRY-605014

BONAFIDE CERTIFICATE

Certified that project work entitled "Stability and Stabilization of Networked Load Frequency Control Systems Integrated with EV Aggregators." is a bonafide record of work done by KALAVAGUNTA VAMSHI (17EE118), SHARINI RITHIGAA B S (17CE153), KALLA ANIL SAI KUMAR (17EE119) and GOKULNATH M (17EE111) in partial fulfillment of the requirements for the Degree of Bachelor of Technology in Electrical and Electronics Engineering in Pondicherry Engineering College. This work has not been submitted for the award of any other degree of this/any other institution.

Project Guide	Head of the Department
(Dr.K.RAMAKRISHNAN)	(Dr.G.Ravi)
Submitted for the University Examination held on	

External Examiner

Internal Examiner

ACKNOWLEDGEMENT

This dissertation would not have been possible without the guidance and the help of several individuals who in one way or another contributed and extended their valuable assistance in the completion of our project. We would like to take this opportunity to acknowledge them all.

First and foremost, we would like to express our sincere gratitude to our guide, **Dr.K.RAMAKRISHNAN**, Professor, Department of Electrical & Electronics for his guidance, encouragement and support during our gratitude studies. His impressive knowledge, technical skills and human qualities have helped us to learn a lot. He has been our source of encouragement during our tough periods in project.

We like to extend our heart-felt thanks to **DR.G. RAVI**, Professor and Head of the department for providing us all the resources needed for the project and his invaluable encouragement.

We would also like to extend our thanks to our principal **Dr.K.VIVEKANANDAN** for providing us excellent infrastructure and library facilities.

We specially emphasize our gratitude to our committee members, **DR. R. RAJATHY**, **DR.S.HIMAVATHI**, **DR.M.SUDHAKARAN** for their continuous support and encouragement.

With much love, we thank our family members especially our parents for their loving care and their unconditional support. Finally, we thank all our friends who directly or indirectly contributed to our project.

KALAVAGUNTA VAMSHI SHARINI RITHIGAA B S