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SANJIVANI COLLEGE OF ENGINEERING,

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Department of
Electronics & Telecommunication Engineering
2018-2019

PROJECT [STAGE-I] REPORT
ON

(DIGITIZATION OF BATTERY MANAGEMENT SYSTEM & CHARGING BY SOLAR PANEL)

CERTIFICATE

This is to certify that this report on project [Stage-I] entitled,

"(DIGITIZATION OF BATTERY MANAGEMENT SYSTEM & CHARGING BY SOLAR PANEL)"

Submitted by,

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For the partial fulfillment of the requirements of Bachelor of Engineering (Electronics & Telecommunication Engineering) degree of the Savitribai Phule Pune University, Pune embodies the work done by them under our guidance and supervision in the academic year 2018-2019.

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Guide

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ACKNOWLEDGEMENT

"DIGITIZATION OF BATTERY MANAGEMENT SYSTEM & CHARGING BY SOLAR PANEL" has been the opportunity to express ourselves technically. This has proven to be a stepping stone which will be of immense help to us as we enter market. We want to express our gratitude to everyone who helped us by giving moral support and by solving our difficulties. Everyone has contributed immensely and helped us for the same unto the completion of project.

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CONTENTS

ABSTRACT

In this paper, we give a study of the Battery Management System and Solar Charging system. This technology is growing rapidly due to growing market of Energy Storage System, Hybrid Electric Vehicle, Solar Electric Vehicle, Grid Energy Systems and many consumer application running on battery.

The existing system for battery management and solar charging is just do it assigned work but the consumer doesn't know the working behavior of the system. That's why there is the need to digitize these system for better understanding, analysis and controlling the working of the system.

This paper gives you an introduction about the principle and working of the battery management and solar charging system. It also gives an introduction about the way of digitization of the system. The digitized battery management and solar charge system provides the consumer, a real-time working behavior of the system for various parameters. This digitized data helps a lot to the consumer about deciding the future strategy of the system by analyzing it.

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