FINAL YEAR PROJECT REPORT

IMPLEMENTATION OF SMART POWER TRANSFER SWITCH

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By

MUNEEB MUJAHID	57068 BEE(POWER)
AMEER MUAAVIA	57072 BEE(POWER)
MUHAMMAD FAHAD ALI	57089 BEE(POWER)

SUPERVISED

BY

ENGR. MUHAMMAD ZOHAIB SOHAIL

BAHRIA UNIVERSITY (KARACHI CAMPUS)

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DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or awardat Bahria University or other institutions.

Signature: 

Name : Muneeb Mujahid

Reg No. : 57068

Signature: 

Name : Ameer Muaavia

Reg No. : 57072

Signature: 

Name : Muhammad Fahad Ali

Reg No. : 57089

Date : 04.08.22

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IMPLEMENTATION OF SMART POWER TRANSFER SWITCH

ABSTRACT

This paper report studied the steps to implement smart power transfer switch. The main reason to make automated transfer switch is that in manual transfer there's always a chance of possibility of fire outbreaks, time wastage, failures in circuit, damaging of the product as compare to smart power transfer switch. The smart power switch is designed to switch the load from renewable energy to K.E and it's vice versa depending on the load. A mobile application is also made to prioritize the system that load does not change if we select any one of K.E or Solar energy until or unless we un prioritize this again. This project include liquid crystal display which shows us about the current power consume by the equipment and tell us about the currents in amperes consumeby the equipment which helps user to know about how much power they are consuming at that particular time This project presents a real laboratory design and construction of smart power switch. The design method involves the use of different relays. The main objective of smart powerswitch is to change the load without any human interaction. The main reason to make the programis to make it switch the system automatically without any human interaction.

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