

AUTO SELECTION OF ANY AVAILABLE PHASE IN THREE PHASE SUPPLY SYSTEM

*A project report submitted in partial fulfillment of the requirements
For the award of the degree of*

BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING

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Tamaram, Narsipatnam, Visakhapatnam-531113

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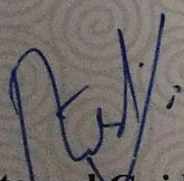
This is certify that the project report entitled "AUTO SELECTION OF ANY AVAILABLE PHASE IN THREE PHASE SUPPLY SYSTEM" is a bonafide work submitted by **M.SWATHI, R.INDU, R.TULASI RAJYA LAKSHMI, G.NOOKARAJU & K.SWAMY** in partial fulfillment of the requirements for the award of degree of

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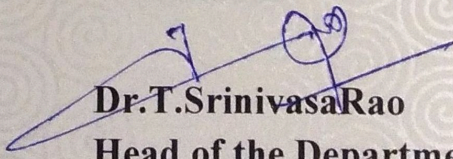

Internal Guide

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ABSTRACT

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Phase absence is a very common and severe problem in any industry, home or office. Many times one or two phases may not be live in three phase supply. Because of this, many times, some electrical appliances will be on in one room and OFF in another room. This creates a big disturbance to our routine work. This project is designed to check the availability of any live phase, and the load will be connected to the particular live phase only. Even a single phase is available, and then also, the load will be in ON condition. This project is designed with relays. These relays continuously checks for live condition of all phases connected to it, and automatically connects the load to the active phase using a relay. This Relay is driven with a combination of bridge rectifier and diodes. If two or more phases are live, the load will be connected to phase-1 only. Any fluorescent bulb is provided to display the status of phase condition.

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