NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY

ELECTRICAL DEPARTMENT
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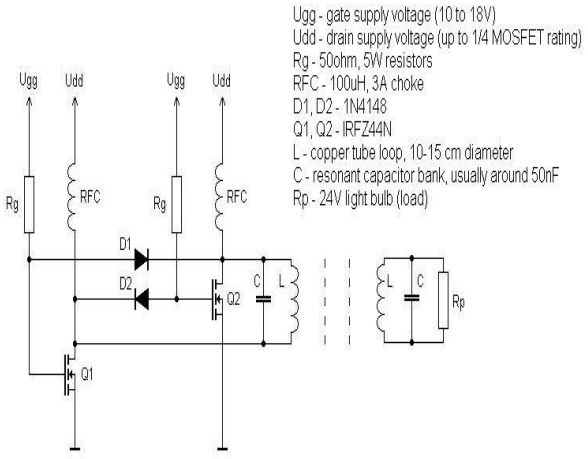
Project Title:- Wireless Power Transmission

Abstract:-The project entitled "WIRELESS POWER TRANSMISSION" is the project of transmitting the electrical power from the source to load wirelessly. For transmitting the electrical power wirelessly, "TESLA COILS" are used. There are two coils are used, one at the sending end and another at the receiving end. This project is not same like the wireless transmission of signals which we use in cell phones. In this mode of transmission, electrical power is transmitted in the form of magnetic rays. Micro-waves are harmful to human beings as well as other living organisms, while magnetic rays are not harmful to any living organism. In this project, first primary coil converts the electrical power in the form of magnetic rays at the sending end side. Because of this flux will be produced. When secondary coil interact in this flux, an E.M.F. will be produced in the secondary coil. In this way, electrical power will be transmitted without using the wires.

Block /circuit Diagram:-



Major Hardware components used:- Copper Coil (Tesla Coil), Power Supply, Resistors, Capacitors, Load, IC, MOSFET, Diode

Software used:-

Project Application:-
(1) Wireless Mobile Charger
(2) Wireless Laptop Charger
(3) Wireless small rating lamp
(4) Wireless artificial eye ratina
(5) Wireless car battery charger

Approx. Project Cost:- 3500 INR.

Project Photo:-