

Wireless Power Transmission through Tesla Coil-A Detailed Review

*Dr.Parasuraman¹,G.Manimaran²,Selciya Selvan³,G.Naveen,Nishanth⁴

^{1,2}Professor ,Department of ECE, Karpaga Vinayaga College of Engineering and Technology. Chennai,

³ Assistant Professor, Department of ECE, Karpaga Vinayaga College of Engineering and Technology.
Chennai

*Corresponding Author

E-mail: asravaniit@smec.ac.in

ABSTRACT

Wireless power transfer is the one which transmit electrical energy from source to the load without using any physical medium like wires. In wireless power transfer technique if power has to be transmitted over a short distance then it should be magnetic field using inductive coupling between coils of wire. This inductive coupling is able to charge the phone, electric vehicles, for the high input voltage it is capable of glowing the tube lights. This project extended the knowledge of electronics and shed some light on the artistic nature of the tesla coil. The coil that was created was capable of producing the electricity which had the capacity of glowing the tube light. While there are lots of developments could be made, our project mainly aims at generating the electricity wirelessly. Tesla coil is a cheap way of generating high voltage at high frequency without complicated circuitry. A tesla coil was used in some spark gap transmitter to generate radio frequency and it helps to shoot lightning bolts.

Keywords: Quality of Service, API, Packet Loss.

Organized by Department of ECE&EEE,

ISBN 978-93-86795-43-8