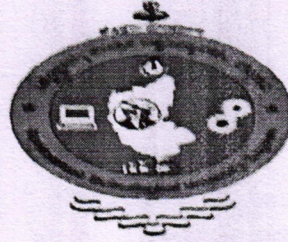


**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**JNANA SANGAMA, BELGAVI - 590014**



**A MINI PROJECT REPORT ON  
"WIRELESS POWER TRANSMISSION"**

**BACHELOR OF ENGINEERING  
IN  
ELECTRICAL & ELECTRONICS ENGINEERING**

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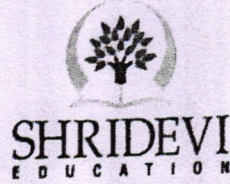
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CERTIFICATE

This is to certify that the Mini Project Report entitled "WIRELESS POWER TRANSMISSION" successfully carried out by MANU K R (1SV20EE003), NAGAVENI N (1SV20EE004) the bonafide students of SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY TUMKUR-572106, in partial fulfillment for the award of degree of Bachelor of Engineering in Electrical and Electronics Engineering of the Visvesvaraya Technology University, Belagavi-560014 during the year 2022-2023. All the corrections/suggestions indicated for the internal assessments have been incorporated in report. The technical seminar report has been approved as it satisfies the academic requirements in respect to the technical seminar work prescribed for the said degree.

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## ABSTRACT

The technology for wireless power transfer (WPT) is a varied and a complex process. The demand for electricity is much higher than the amount being produced. Generally, the power generated is transmitted through wires. To reduce transmission and distribution losses, researchers have drifted towards wireless energy transmission. The present paper discusses about the history, evolution, types, research and advantages of wireless power transmission. There are separate methods proposed for shorter and longer distance power transmission; Inductive coupling, Resonant inductive coupling and air ionization for short distances; Microwave and Laser transmission for longer distances. The pioneer of the field, Tesla attempted to create a powerful, wireless electric transmitter more than a century ago which has now seen an exponential growth. This paper as a whole illuminate all the efficient methods proposed for transmitting power without wires.

  
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