VISVESVARAYA TECHNOLOGICAL UNIVERSITY
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Project Report on

"Wireless Power Transfer (Electricity out of thin air)"

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Submitted in Partial Fulfillment for the Award of the Degree
Bachelor of Engineering
in
ELECTRONICS & COMMUNICATION ENGINEERING

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ABSTRACT

Wireless power transfer provides a way of transmitting power eliminating wires, thereby reducing the risk of shocks, short circuit and various hazards.This can be achieved by using two coils which resonate at same frequency and work on producing voltage by the flux coupled to it with a considerable distance.The primary coil is provided with the supply from the wall socket which generates a flux according to the laws of induction.When a secondary coil is brought into this field emf is induced which can be used to power up various electronic device. The transmission is not hindered by any obstacle in between the coils. Further the secondary coil can also be used to drive more than one device simultaneously there by saving the power that the devices would consume when they are powered up individually. This is eco- friendly so does not harm human in any way.