

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama" Belagavi – 590 010



PROJECT REPORT ON

**“WIRELESS POWER TRANSFER USING CIRCULAR
LOOP ANTENNA”**

Submitted in partial fulfillment of the requirements for the award of degree

**BACHELOR OF ENGINEERING
IN
ELECTRONICS & COMMUNICATION ENGINEERING**

Submitted By

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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

MOODBIDRI – 574 225.

2017-2018

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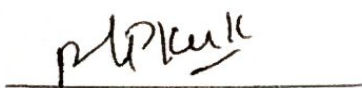
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING CERTIFICATE

Certified that the project work entitled “WIRELESS POWER TRANSFER USING CIRCULAR LOOP ANTENNA” is a bonafide work carried out by

Pranav Prakash Latti	4AL15EC417
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in partial fulfillment for the award of **BACHELOR** of **ENGINEERING** in **ELECTRONICS & COMMUNICATION ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2017–2018. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering degree.



Signature of the Guide
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24/05/18

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ABSTRACT

Wireless power or remote transmission of electrical vitality from a power source to an electrical load without man made conduits. It is helpful in situations where interconnecting wires are badly arranged, dangerous or incomprehensible. It is completed utilizing direct acceptance took after thunderous attractive enlistment, electromagnetic radiation as microwaves or lasers and electric conduction through media. This framework now daily is exceptionally prevalent everywhere throughout the world.

It is useful in cases where interconnecting wires are inconvenient, hazardous or impossible. It is carried out using direct induction followed by resonant magnetic induction, electromagnetic radiation in the form of microwaves or lasers and electric conduction through media. This system now a day is very popular all over the world. Radio waves are the energy and people use them to send and receive cell phone, TV, radio, Wi-Fi signals day to day. This technology now a day has a wide foot-hold all over the world. This technology today has matured enough to allow us a new means to power our mobile and gadgets.