

## **TEAM Creativity Crew**

### Wireless Charger

#### Team Members:

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#### Concept:

To fabricate a wireless charger that can be used to charge any mobile with a micro-USB port.

#### Abstract:

We intend to build a wireless charger for charging phones based on the concept of inductive charging. This will allow any mobile connected with the accessory we'll develop to be charged wirelessly when kept on the charging pad. If time permits, we intend to introduce modifications so

that the phone can be charged with decent speed even when it is kept at a sufficient distance from

the charging pad and not exactly over it.

#### Components:

RX and TX coils-₹1500

Zener Diodes, Ultrafast diodes, MOSFETS etc-₹1000

Other circuit components(Wires, resistors, capacitors etc)-₹ 500

Approximate total cost-₹3500

#### Timeline:

Week 1-Reading and understanding the necessary concepts for making the wireless charger

Week 2-Procuring all the necessary components and implementing the basic transmission

Week 3 and Week 4-Fine-tuning the circuits to make it compatible for charging mobile

Week 5-Working on design and aesthetics of the finished wireless charger. Troubleshooting

#### Source:

<http://www.instructables.com/id/Wireless-lpod-Charger/>

<http://www.slideshare.net/rakeshkk/wireless-power-transmission>