

ACKNOWLEDGEMENT

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ABSTRACT

Mobile phones have turned into a basic part of the modern-day lifestyle. Nowadays, almost everyone carries a phone in their pockets including young college students to multi-billionaire associates. With each and every passing day, the innovation associated with assembling the cell phones is improving. A massive amount of cash is spent for research purposes. One such research has been that, how to improve the battery life and how to shrink the size of the cell phone. However, with all the development in present-day innovation, in any case, despite everything we still need to connect our mobile phones to the wall socket for charging the battery of our mobile phones.

Recognizing this, our group thought of an interesting thought of charging the cell phone wirelessly, with no physical connection between the charger and mobile devices. The goal of our project is to charge the battery of a mobile device from the Radio Frequency(RF) which is produced by a transmitter coil (charger in this case) and received by the receiver coil connected to the cell phone. Other than charging the mobile phone, turning on a LED remotely has additionally been accomplished in this venture. The LED can be turned on at a more notable distance as compared to charging the cell-phone, as turning on a LED requires fewer power. This exploration based project presents a strategy of intriguing a remote charging system which can be utilized for the charging of our own use devices, for instance, mobile phones.

Keywords: WPT, WEPT, Portable charging, Energy Transfer.

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