

(54) Title of the invention : COIN BASED MOBILE PHONE CHARGER

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(57) Abstract :

This is a smart coin-based mobile charging device that charges your phone for a specific amount of time when you input a coin. The system will be used by business owners and public venues such as railway stations to facilitate mobile charging. As a result, the system includes a coin recognition module that detects legitimate coins and alerts the microcontroller for further action. If a genuine coin is located, the microcontroller is notified, and the microcontroller then initiates the mobile charging mechanism, which provides a 5v supply through a power supply section to the mobile phone. The system must now monitor the quantity of charge to be delivered. As a result, the device can be used to charge smart phones in public spaces. Nowadays, students and many other people use public transit. People who are making long journeys to attend business conventions, conferences, or for any other private purpose are unaware that their battery level is low, and they frequently leave their charger at home or in the hotel room. Many detractors claimed that long-distance travel vehicles provide power points. Even if one or two power ports are given in a specific location in the car, they are insufficient for all passengers; thus, a public charging service is required, and coin-based mobile charging is meant to solve this problem.

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