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C.F.T.C(Charge For The Charged): Empowering Sustainable Energy Generation and Rewards

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Abstract: In the face of escalating environmental concerns, there is an urgent need to promote sustainable practices in all aspects of life. "C.F.T.C (Charge For The Charged): Empowering Sustainable Energy Generation and Rewards" presents an innovative solution aimed at encouraging sustainable energy generation choices and reducing carbon footprints. The first C represents Charge meaning related to money and the second C represents Charged means the charged battery. This project revolves around the development of a web-based platform that incentivizes users to generate energy through transportation activities using a front-wheel generator. The energy produced is measured and recorded, and users earn redeemable points based on their contributions. The platform features personalized login, a comprehensive home screen displaying progress details, a Charge Points (CP) system for rewards, QR code scanning for points accumulation, gift card redemption, profile management, IoT-enabled battery status monitoring, and admin functionalities and an A.I. module named Charge BOT which helps in navigation within the app and can also answer the queries related to C.F.T.C.

Keywords: Battery, Charge Points (CP), Dialogflow, QR, IOT, Charge BOT, redeem

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